

RECORD OF EVENTS

School of Historical Studies

September 22

Medieval Seminar ♦ *First Term Introductions* ♦ **Patrick J. Geary**, Professor, School of Historical Studies

September 24

Historical Studies Public Event ♦ *Reading from "Wall-Flower"* ♦ **Rita Kuczynski**, German Novelist and Author

September 29

Medieval Seminar ♦ *Heito of Reichenau—"Visio Wettini"* ♦ **Albrecht Diem**, Syracuse University; Member, School of Historical Studies

October 1

Historical Studies Lunchtime Colloquia ♦ *First Term Introductions* ♦ **Jonathan Israel**, Andrew W. Mellon Professor, School of Historical Studies

October 5

East Asian Studies Seminar ♦ *The Court of Qubilai Qa'an: A Perso-Mongol Perspective* ♦ **Hodong Kim**, Seoul National University; Member, School of Historical Studies

October 6

Medieval Seminar ♦ *With Practice, Skill, and Cunning: Hunting, Culture, and Identity in the Frankish World, 315–987* ♦ **Eric Goldberg**, Massachusetts Institute of Technology; Member, School of Historical Studies

October 8

Historical Studies Lunchtime Colloquia ♦ *Whose Emotions? The Perception of Music as Autobiography* ♦ **Mark Evan Bonds**, The University of North Carolina at Chapel Hill; Member, School of Historical Studies

October 13

Medieval Seminar ♦ *Mary's Mountain: The Transformations of the Capitol in the Middle Ages, 500–1143* ♦ **Jason Moralee**, University of Massachusetts; Member, School of Historical Studies

October 15

Historical Studies Lunchtime Colloquia ♦ *Liberated Africans in the Indian Ocean World* ♦ **Matthew Hopper**, California Polytechnic State University, San Luis Obispo; Member, School of Historical Studies

October 19

East Asian Studies Seminar ♦ *On the Transnational Destruction of Cities: What Japan and the United States Learned from the Bombing of Britain and Germany in World War II* ♦ **Sheldon Garon**, Princeton University

October 21

Early Modern Europe Seminar ♦ *Appetite, Moral Order, and the Nature of Things: Hamlet and Hunting* ♦ **Rhodri Lewis**, University of Oxford; Member, School of Historical Studies

Islamicist Seminar ♦ *The Transmission of an Idea, the Genealogy of Its Sentence: The "World of Image" ('ālam al-mithāl) from the Tivelfth Century up until Today* ♦ **Eric (L.W.C.) van Lit**, Yale University

October 22

Historical Studies Lunchtime Colloquia ♦ *Ancient Rome: The First Modern Economy* ♦ **Willem Jongman**, University of Groningen; Member, School of Historical Studies

October 26

East Asian Studies Seminar ♦ *Atatürk through Chinese Eyes* ♦ **Giray Fidan**, Princeton University

October 27

Ancient Studies Seminar ♦ *When Darkness Falls in the Roman Empire: Historical Aspects of the Night in the Imperial Period* ♦ **Angelos Chaniotis**, Professor, School of Historical Studies

Medieval Seminar ♦ *Reconstructing Noble Family Archives, Remaking Family Histories (Medieval and Early Modern Portugal): Recovered Voices, Newfound Questions* ♦ **Maria de Lurdes Rosa**, Universidade Nova de Lisboa; Member, School of Historical Studies

October 28

Islamicist Seminar ♦ *Studying the Transmission and Development of Ibn al-Nafīs's Physiology in the Mamluk-Era Commentaries on the Qānūn and the Mūjiz* ♦ **Nahyan Fancy**, DePauw University; Member, School of Historical Studies

October 29

Historical Studies Lunchtime Colloquia ♦ *In Ibn al-Nafīs's Shadow: Arabic Medical Commentaries during the Mamluk Period, 1260–1516* ♦ **Nahyan Fancy**, DePauw University; Member, School of Historical Studies

November 2

East Asian Studies Seminar ♦ *Thinking about Wars of Necessity and Wars of Choice: The Song Wars with the Tangut Xi Xia, ca. 1038–85* ♦ **Paul Smith**, Haverford College; Member, School of Historical Studies

November 3

Medieval Seminar ♦ *Tracing the Lineaments of a Lost Book* ♦ **Courtney Booker**, The University of British Columbia; Member, School of Historical Studies

November 5

Historical Studies Lunchtime Colloquia ♦ *For a Thousand Li There Were No Cooking Fires: Framing Devastation in the Ming-Qing Transition* ♦ **Kenneth Swope**, University of Southern Mississippi; Member, School of Historical Studies

November 10

Ancient Studies Seminar ♦ *Connoisseurs, Amateurs, Poseurs, and Other People Interested in Ancient Realia in Roman Anatolia* ♦ **Felipe Rojas**, Brown University; Member, School of Historical Studies

Medieval Seminar ♦ *Signs of Power: Astrology, Cosmology, and Philosophy in Late Medieval Prague* ♦ **Eric Ramírez-Weaver**, University of Virginia; Member, School of Historical Studies

November 12

Historical Studies Lunchtime Colloquia ♦ *Transformations of the Image in the Age of the Mass Media* ♦ **Jeffrey Barash**, Université de Picardie Jules Verne, Amiens; Member, School of Historical Studies

November 16

East Asian Studies Seminar ♦ *A Shang Village and What It Suggests about the Shang Economy* ♦ **Rod Campbell**, Institute for the Study of the Ancient World, New York University

November 17

Ancient Studies Seminar ♦ *"Templum caelesti iudicio saepe damnatum": The Exemplarity of the Capitulum's Cycle of Destructions in Late Antiquity* ♦ **Jason Moralee**, University of Massachusetts; Member, School of Historical Studies

Law and Colonialism Sub-group ♦ *"In the Colonies, Black Lives Don't Count": Official Anticommunism, Extraparliamentary Legislation, and Judicial Irregularity in Interwar Overseas France* ♦ **Meredith Terretta**, University of Ottawa; Member, School of Historical Studies

Medieval Seminar ♦ *Inscribed in the Book of Life: Transformation and Transmission of Citizenship in Merovingian Liturgical Sources* ♦ **Els Rose**, Utrecht University; Member, School of Historical Studies

November 18

Early Modern Europe Seminar ♦ *Insect Artifice: The Metamorphosis of Nature during the Dutch Revolt* ♦ **Marisa Bass**, Washington University in St. Louis; Member, School of Historical Studies

Islamicist Seminar ♦ *Shar'ification and Russification: How did Muslims Divide Their Inheritance in Imperial Russia?* ♦ **Rozaliya Garipova**, University of Pennsylvania; Member, School of Historical Studies

November 19

Historical Studies Lunchtime Colloquia ♦ *From Athens to Rome and from Alexandria to Baghdad: A Comparison between Two Cultural Transfers* ♦ **Carlo Scardino**, Heinrich-Heine-Universität Düsseldorf; Member, School of Historical Studies

November 24

Noble Houses and Their Archives Workshop ♦ *Opening Remarks* ♦ **Patrick J. Geary**, Professor, School of Historical Studies, and **Maria de Lurdes Rosa**, Universidade Nova de Lisboa; Member, School of Historical Studies ♦ *Archives and History: Implications of a Conceptual Divide* ♦ **Francis X. Blouin**, University of Michigan ♦ *Archives in the Historiography of Institutional Culture: Sites, Evidence, and the Need for Comparison* ♦ **Randolph C. Head**, University of California, Riverside ♦ *Historians, Archives, Sources: Old Questions, New Answers?* ♦ **Joseph Morsel**, Université Paris 1 Panthéon-Sorbonne ♦ *Noble Houses and Their Archives, Portugal, Fifteenth to Nineteenth Centuries: New Data, New Questions* ♦ **Maria de Lurdes Rosa**, Universidade Nova de Lisboa; Member, School of Historical Studies ♦ *Noble Households, the City, and Courtly Life in Late Medieval Portugal* ♦ **Rita Costa-Gomes**, Towson University ♦ *Social Status, Patrimony, and Order: Recent Studies on Noble Households in Early Modern Portugal and Spain* ♦ **Pedro Cardim**, Universidade Nova de Lisboa ♦ *Uses of the Archive by Families of Portuguese Nobility, Fifteenth to Sixteenth Centuries* ♦ **Rita Sampaio da Nôvoa**, Universidade Nova de Lisboa ♦ *Questioning "National" Frontiers: Nobility Archival Practices in a Comparative Perspective (Portugal and Spain, Fifteenth to Nineteenth Centuries)* ♦ **Maria João A. e Sousa**, Universidade Nova de Lisboa ♦ *Le Programme ARCHIFAM, Enquête sur la Nature et les Fonctions des Archives de Famille en Péninsule Ibérique: Bilan et Perspectives* ♦ **Véronique Lamazou-Duplan**, Université de Pau et des Pays de l'Adour ♦ *Les Foix-Béarn-Navarre et Leurs Archives: Inventaires en Question* ♦ **Véronique Lamazou-Duplan**, Université de Pau et des Pays de l'Adour

December 1

Ancient Studies Seminar ♦ *Reconstructing the Consularia Italica* ♦ **Michael Kulikowski**, The Pennsylvania State University; Member, School of Historical Studies

Medieval Seminar ♦ *Reconstruction of the Tradition of the So-Called Consularia Italica* ♦ **Michael Kulikowski**, The Pennsylvania State University; Member, School of Historical Studies

December 2

Islamicist Seminar ♦ *Fixing the Past: Hafiz-i Abru and the "Jami" al-tawarikh* ♦ **Stefan Kamola**, Princeton University

Law and Colonialism Sub-group ♦ *Subjects, Citizens, and Aliens in a Time of Upheaval: Naturalizing and Denaturalizing in Europe during the First World War* ♦ **Daniela L. Caglioti**, Università di Napoli Federico II; Member, School of Historical Studies

December 3

Historical Studies Lunchtime Colloquia ♦ *The Guts of the Matter: Intestinal Disease and Human History* ♦ **James Webb, Jr.**, Colby College; Member, School of Historical Studies

December 7

East Asian Studies Seminar ♦ *Amicitia Palatina: The Europeans' Networking at the Qing Court in the Long Eighteenth Century* ♦ **Eugenio Menegon**, Boston University; Member, School of Historical Studies

December 8

Medieval Seminar ♦ *General Group Discussion* ♦ **Patrick J. Geary**, Professor, School of Historical Studies

December 9

Art History Seminar ♦ *Making and Knowing in Early Modern Artistic Production* ♦ **Marisa Bass**, Washington University in St. Louis; Member, School of Historical Studies

Islamicist Seminar ♦ *Rogue Fictions: Thoughts on the Form, Circulation, and History of the Arabic Maqāma* ♦ **Maurice Pomerantz**, New York University Abu Dhabi; Member, School of Historical Studies

December 10

Historical Studies Lunchtime Colloquia ♦ *Archaeology in the Twilight of Utopia: Eisenstein and the Problem of Deep Time* ♦ **Michael Kunichika**, New York University; Member, School of Historical Studies

December 14

East Asian Studies Seminar ♦ *Mandalas of Mañjuśrī: The Creation of Manchu Imperial Monasteries During the Qianlong Reign* ♦ **Wen-shing Chou**, Hunter College, The City University of New York; Member, School of Historical Studies

December 15

Law and Colonialism Sub-group ♦ *The Crisis of Legitimacy of Muslim Marriage in Russia at the Turn of the Twentieth Century* ♦ **Rozaliya Garipova**, University of Pennsylvania; Member, School of Historical Studies

December 16

Art History Seminar ♦ *Hybridity and the Global Turn in Japanese Art History* ♦ **Christine Guth**, Royal College of Art; Member, School of Historical Studies

Early Modern Europe Seminar ♦ *The Shadow of a Reason: Edgar Allan Poe and the Forging of U.S. Science* ♦ **John Tresch**, University of Pennsylvania; Member, School of Historical Studies

December 17

Historical Studies Lunchtime Colloquia ♦ *Islamic Law and Citizenship in the Russian Empire* ♦ **Rozaliya Garipova**, University of Pennsylvania; Member, School of Historical Studies

January 11

East Asian Studies Seminar ♦ *Why Does the Nirvāṇa Sūtra Cause Controversies?* ♦ **Wendi Adamek**, University of Calgary; Member, School of Historical Studies

January 12

Medieval Seminar ♦ *Second Term Introductions* ♦ **Patrick J. Geary**, Professor, School of Historical Studies

January 13

Islamicist Seminar ♦ *Crossing Empires: Shi'i Pilgrims of the Sultan and the Shah* ♦ **Firoozeh Kashani-Sabet**, University of Pennsylvania; Member, School of Historical Studies

January 14

Historical Studies Lunchtime Colloquia ♦ *Second Term Introductions* ♦ **Jonathan Israel**, Andrew W. Mellon Professor, School of Historical Studies

January 19

Ancient Studies Seminar ♦ *"Privileged Slaves" in Classical Athens and the Legal Framework of Servile Labor* ♦ **Paulin Ismard**, University Paris 1 Panthéon-Sorbonne; Member, School of Historical Studies

Medieval Seminar ♦ *Theodore Mommsen, Louis Duchesne, and the Liber pontificalis: Classical Philology and Medieval Latin Texts* ♦ **Carmela Vircillo Franklin**, Columbia University; Director's Visitor

January 20

Islamicist Seminar ♦ *On the Authorship of the K. Tathbīt dalā'il al-nubuwwa* ♦ **Hassan Ansari**, Institute for Advanced Study; Member, School of Historical Studies

January 21

Historical Studies Lunchtime Colloquia ♦ *From Stone to Codex: Ancient Chronicle Traditions and Roman Imperial History* ♦ **Michael Kulikowski**, The Pennsylvania State University; Member, School of Historical Studies

January 25

East Asian Studies Seminar ♦ *Shipwrecks and Submerged Worlds: Excavation and Interpretation of New Discoveries from the South China Sea* ♦ **Hsueh-man Shen**, Institute of Fine Arts, New York University

January 27

Early Modern Europe Seminar ♦ *Trees on the Go: Botany, Germany, and the British Empire, 1750–1800* ♦ **Thomas Biskup**, University of Hull; Member, School of Historical Studies

S.T. Lee Lecture ♦ *The Transmission of Knowledge in Abbasid Iraq: Problems in the Interpretation of the “Catalogue” of Ibn al-Nadim* ♦ **Devin Stewart**, Emory University

January 28

Historical Studies Lunchtime Colloquia ♦ *Human Rights in an Age of Contestation: French Third Worldism, African Revolution, and Capital Punishment ca. 1970* ♦ **Meredith Terretta**, University of Ottawa; Member, School of Historical Studies

February 1

East Asian Studies Seminar ♦ *Encounters with the National Language from Chongqing to Taiwan, 1937–49* ♦ **Janet Chen**, Princeton University; Member, School of Historical Studies

February 2

Law and Colonialism Sub-group ♦ *“Law Is One Thing, and Virtue Is Another”: Vernacular Readings of Law and Legal Process in 1920s Shanghai* ♦ **Bryna Goodman**, University of Oregon; Member, School of Historical Studies

Medieval Seminar ♦ *Recyclage et l'ontologie de l'objet dans les textes du bas Moyen Âge: l'exemple de Marseille* ♦ **Daniel Smail**, Harvard University; Member, School of Historical Studies

February 4

Historical Studies Lunchtime Colloquia ♦ *Rule and Practice in Early Medieval Monasticism* ♦ **Albrecht Diem**, Syracuse University; Member, School of Historical Studies

February 8

East Asian Studies Seminar ♦ *Finance, Sovereignty, and Freedom: Stock Exchanges in the Early Chinese Republic* ♦ **Bryna Goodman**, University of Oregon; Member, School of Historical Studies

February 9

Ancient Studies Seminar ♦ *Elpis in the Epigraphic Evidence: From Deceived Expectations to a Persuasion Strategy* ♦ **Angelos Chaniotis**, Professor, School of Historical Studies

Medieval Seminar ♦ *Reading and Teaching the Rule in the Age of Monastic Reform: A Study of the Glosae a diuersis doctoribus collectae in regula sancti Benedicti abbas* ♦ **Matthieu H. van der Meer**, Syracuse University

February 10

Islamicist Seminar ♦ *Problems in the Translation of Greek Agricultural Terms into Arabic* ♦ **Carlo Scardino**, Heinrich-Heine-Universität Düsseldorf; Member, School of Historical Studies

February 11

Historical Studies Lunchtime Colloquia ♦ *When the Lightning Struck Pompeii: Reconstructing Local Religious Knowledge from Archaeological Debris* ♦ **William van Andringa**, Université Lille 3; Member, School of Historical Studies

February 16

East Asian Studies Seminar ♦ *The View from the Boundary: Provinces and Court in Post-Rebellion Tang China* ♦ **Tineke D'Haeseleer**, Princeton Society of Fellows

Law and Colonialism Sub-group ♦ *Using the Figure of “The Jew”: French Feminist Politics in Global Empires and the Metropole* ♦ **Carolyn Eichner**, University of Wisconsin–Milwaukee; Member, School of Historical Studies

February 17

Art History Seminar ♦ *Shaping the Spatial Cosmologies of the Iranian Expanse* ♦ **Matthew Canepa**, University of Minnesota; Member, School of Historical Studies

Early Modern Europe Seminar ♦ *Luther's Jews* ♦ **Stephen Burnett**, University of Nebraska–Lincoln; Member, School of Historical Studies

February 18

Historical Studies Lunchtime Colloquia ♦ *Insect Artifice: The Origins of Entomology in the Early Modern Netherlands* ♦ **Marisa Bass**, Washington University in St. Louis; Member, School of Historical Studies

February 22

East Asian Studies Seminar ♦ *Posthuman Maos: The Invisible Real and the Hidden Dimensions of Chinese Science Fiction* ♦ **Mingwei Song**, Wellesley College; Member, School of Historical Studies

February 24

Art History Seminar ♦ *Nature and the Enemies of Art in the Early Modern Netherlands* ♦ **Marisa Bass**, Washington University in St. Louis; Member, School of Historical Studies

February 25

Historical Studies Lunchtime Colloquia ♦ *Arameans in Assyria in the Ninth to Seventh Centuries B.C.E.* ♦ **Martti Nissinen**, University of Helsinki; Member, School of Historical Studies

February 29

East Asian Studies Seminar ♦ *The Rabbis of Hanlin: Jesuits and the Question of Religion in China, or Another Look at the Birth of World History* ♦ **Zvi Ben-Dor Benite**, New York University

March 1

Ancient Studies Seminar ♦ *The Importance of Graeco-Arabic Studies for Classics: The Example of the Arabic Translations of Ancient Agricultural Writers* ♦ **Carlo Scardino**, Heinrich-Heine-Universität; Member, School of Historical Studies

Medieval Seminar ♦ *Danger and Death* ♦ **Eric Goldberg**, Massachusetts Institute of Technology; Member, School of Historical Studies

March 2

Islamicist Seminar ♦ *With Blessings and Metaphors: The Medieval Islamic Art of the Object* ♦ **Margaret Graves**, Indiana University; Member, School of Historical Studies

March 3

Workshop on Squeezes of Ancient Greek Inscriptions in the Collection of the Institute for Advanced Study ♦ **Angelos Chaniotis**, Professor, School of Historical Studies ♦ **Gianfranco Agosti**, Università degli Studi di Roma, La Sapienza; Member, School of Historical Studies ♦ **Joshua Billings**, Princeton University; Member, School of Historical Studies ♦ **Paulin Ismard**, University Paris 1 Panthéon-Sorbonne; Member, School of Historical Studies ♦ **Michael Kulikowski**, The Pennsylvania State University; Member, School of Historical Studies ♦ **Martti Nissinen**, University of Helsinki; Member, School of Historical Studies ♦ **Giuseppe Pezzini**, University of Oxford; Member, School of Historical Studies ♦ **Felipe Rojas**, Brown University; Member, School of Historical Studies ♦ **William Van Andringa**, Université Lille 3; Member, School of Historical Studies

Historical Studies Lunchtime Colloquia ♦ *The Documentary Archaeology of Late Medieval Europe* ♦ **Daniel Smail**, Harvard University; Member, School of Historical Studies

March 4

Epigraphic Friday ♦ *An Assyrian Prayer to Nabû* ♦ **Martti Nissinen**, University of Helsinki; Member, School of Historical Studies ♦ *Kallias the Egyptian: The Athenian Insurrection and Its Broader Political Context* ♦ **Nino Luraghi**, Princeton University ♦ *Writing Fiction Like Inscriptions* ♦ **Jason Moralee**, University of Massachusetts; Member, School of Historical Studies ♦ *An Altar for a New Hero* ♦ **Christopher Jones**, Yale University ♦ *After the War: Remembering the Civic Career of a Veteran from Patara* ♦ **Andrew Lepke**, Universität Münster ♦ *New Inscriptions from Aphrodisias* ♦ **Angelos Chaniotis**, Professor,

School of Historical Studies ♦ *New Inscriptions from Gadara/Umm Qais* ♦ **Florian Forster**, Ludwig-Maximilians-Universität München ♦ *Urban Prefects and Bronze Tesserae* ♦ **Michael Kulikowski**, The Pennsylvania State University; Member, School of Historical Studies ♦ *Two New Verse Inscriptions from Syria and Egypt* ♦ **Gianfranco Agosti**, Università degli Studi di Roma, La Sapienza; Member, School of Historical Studies ♦ *A New Bilingual Inscription of Augustan Date, in Nabataean and Sabaic, from Sirwah in Yemen* ♦ **Glen W. Bowersock**, Professor Emeritus, School of Historical Studies

March 7

East Asian Studies Seminar ♦ *Orphaned, Interned, Captured: The (In)visibilities of Film Archiving in Asia* ♦ **Steven Chung**, Princeton University

March 8

Medieval Seminar ♦ *Permeable Membranes: Astronomy and Appropriation in the Leiden Aratea* ♦ **Eric Ramírez-Weaver**, University of Virginia; Member, School of Historical Studies

March 9

Islamicist Public Lecture ♦ *Constructing Lineages: Jews, Muslims, and Nasab in the Middle Ages* ♦ **Arnold Franklin**, Queens College, The City University of New York

March 15

Ancient Studies Seminar ♦ *Was There a Greek Enlightenment?* ♦ **Joshua Billings**, Princeton University; Member, School of Historical Studies

Medieval Seminar ♦ *Forgetting, Remembering, and Stealing the First French Text* ♦ **Courtney Booker**, The University of British Columbia; Member, School of Historical Studies

March 16

Art History Seminar ♦ *Signs of Import and Influence in the Astrological Compendia Made for Wenceslas IV* ♦ **Eric Ramírez-Weaver**, University of Virginia; Member, School of Historical Studies

Early Modern Europe Seminar ♦ *Cambridge Companion to the Dutch Golden Age: Radical Thought* ♦ **Jonathan Israel**, Andrew W. Mellon Professor, School of Historical Studies

March 17

Historical Studies Lunchtime Colloquia ♦ *Nobel Laureate Niko Tinbergen's Work on Autism: A New Stratigraphic View of Human Nature* ♦ **Marga Vicedo**, University of Toronto; Member, School of Historical Studies

March 21

East Asian Studies Seminar ♦ *Poetics of Nature, Fetish for Consumption: On the Medicinal Uses of Human Milk in Imperial China* ♦ **He Bian**, Princeton University

March 22

Medieval Seminar ♦ *The Thorny Laurel: Tullia d'Aragona, Woman of Letters* ♦ **Julia Hairston**, University of California, Rome; Member, School of Historical Studies

March 23

Islamicist Seminar ♦ *The Year of Mawānīd: Tax Collection, Local Patricians, and Central Administration under the Early Abbasids* ♦ **Hossein Kamali**, Barnard College, Columbia University

March 24

Historical Studies Lunchtime Colloquia ♦ *The "Satanic" Sublime and Milton's English Enlightenment Readers* ♦ **Noël Sugimura**, Georgetown University; Member, School of Historical Studies

March 25

Squeeze Collection Workshop for Columbia University Graduate Students ♦ *Squeezes of Ancient Greek Inscriptions in the Collection of the Institute for Advanced Study* ♦ **Angelos Chaniotis**, Professor, School of Historical Studies

March 28

Art History Seminar ♦ *Cinematic Incubation: Markopoulos and the Tēmenos* ♦ **Rebekah Rutkoff**, Institute for Advanced Study; Member, School of Historical Studies

East Asian Studies Seminar ♦ *Visions of No-Sense: Zen Kōans and the Arts of Fifteenth Century Japan* ♦ **Thomas W. Hare**, Princeton University

March 29

Ancient Studies Seminar ♦ *Pagan Gods Changing in Roman Gaul (Third to Fourth Centuries A.D.): Archaeological Facts and Religious Changes in Late Antiquity* ♦ **William Van Andringa**, Université Lille 3; Member, School of Historical Studies

Medieval Seminar ♦ *Regula cuiusdam ad virgines, a Seventh-Century Rule for Nuns* ♦ **Albrecht Diem**, Syracuse University; Member, School of Historical Studies

March 30

Art History Seminar ♦ *Style and Meaning in Late Antique Art* ♦ **Sarah Bassett**, Indiana University; Member, School of Historical Studies

March 31

Historical Studies Lunchtime Colloquia ♦ *Language of Imperialism, Language of Liberation: Telling Stories in the Kanak-French Colonial Encounter* ♦ **Carolyn Eichner**, University of Wisconsin-Milwaukee; Member, School of Historical Studies

April 5

Ancient Studies Seminar ♦ *Paideia and Society in Late Antiquity: The Case of Verse Inscriptions* ♦ **Gianfranco Agosti**, Università degli Studi di Roma, La Sapienza; Member, School of Historical Studies

Medieval Seminar ♦ *The Documentary Archaeology of Late Medieval Europe* ♦ **Daniel Smail**, Harvard University; Member, School of Historical Studies

April 13

Squeeze Collection Workshop for Students from Rutgers, The State University of New Jersey ♦ *Squeezes of Ancient Greek Inscriptions in the Collection of the Institute for Advanced Study* ♦ **Angelos Chaniotis**, Professor, School of Historical Studies ♦ **Stephen Tracy**, The American School of Classical Studies at Athens

Early Modern Europe Seminar ♦ *The Thorny Laurel: Tullia d'Aragona, Woman of Letters* ♦ **Julia Hairston**, University of California, Rome; School of Historical Studies

Islamicist Seminar ♦ *Creating Publics: Newspapers and Newspaper Culture in Qajar Iran* ♦ **Negin Nabavi**, Montclair State University; Member, School of Historical Studies

April 27

Law and Colonialism Sub-group ♦ *Where Did the Ākhūnds Go? Islamic Legal Experts and the Breakdown of the Traditional Islamic Legal Order in the Russian Empire* ♦ **Rozaliya Garipova**, University of Pennsylvania; Member, School of Historical Studies

May 10

Exploratory Meeting: The Transformation of the Carolingian World ♦ *Welcome and presentations of some impressions from the first meeting in Vienna, and some ideas and perspectives* ♦ **Patrick J. Geary**, Professor, School of Historical Studies ♦ **Helmut Reimitz**, Princeton University, **Conrad Leyser**, University of Oxford, **Hans Hummer**, Wayne State University and **Timothy Newfield**, Princeton University ♦ *Presentations of some impressions from the first meeting in Vienna, and some ideas and perspectives* ♦ **Eric Goldberg**, Massachusetts Institute of Technology, **Jennifer Davis**, The Catholic University of America, **Warren Brown**, California Institute of Technology, **Max Diesenberger**, Austrian Academy of Sciences ♦ *Breakout groups* ♦ *Christianity and the Church* ♦ **Conrad Leyser**, University of Oxford ♦ *Politics and Political Culture* ♦ **Eric Goldberg**, Massachusetts Institute of Technology ♦ *Legal Order and Normative Pluralism* ♦ **Jennifer Davis**, The Catholic University of America, and **Warren Brown**, California Institute of Technology ♦ *Economy and Environment* ♦ **Timothy Newfield**, Princeton University ♦ *Social Dynamics and Politics of Identity* ♦ **Hans Hummer**, Wayne State University ♦ *Culture and Communication* ♦

Patrick Geary, Professor, School of Historical Studies ♦ **Helmut Reimitz**, Princeton University

May 11

Exploratory Meeting: The Transformation of the Carolingian World ♦ Breakout groups (continued) ♦ *Christianity and the Church* ♦ **Conrad Leyser**, University of Oxford ♦ *Politics and Political Culture* ♦ **Eric Goldberg**, Massachusetts Institute of Technology ♦ *Legal Order and Normative Pluralism* ♦ **Jennifer Davis**, The Catholic University of America, and **Warren Brown**, California Institute of Technology ♦ *Economy and Environment* ♦ **Timothy Newfield**, Princeton University ♦ *Social Dynamics and Politics of Identity* ♦ **Hans Hummer**, Wayne State University ♦ *Culture and Communication* ♦ **Patrick J. Geary**, Professor, School of Historical Studies ♦ **Helmut Reimitz**, Princeton University ♦ *Reports and Discussion* ♦ moderators: **Patrick J. Geary**, Professor, School of Historical Studies, and **Helmut Reimitz**, Princeton University

Law and Colonialism Sub-group ♦ *Bodies of Law in Algerian Colonization* ♦ **Judith Surkis**, Rutgers, The State University of New Jersey

May 27

The Maqāma and Its Readers: A Workshop on Arabic and Hebrew Literatures ♦ *Opening Remarks and Welcome* ♦ **Sabine Schmidtke**, Professor, School of Historical Studies, and **Maurice Pomerantz**, New York University Abu Dhabi; Member, School of Historical Studies ♦ *Two Picaresque Tales and a Yellow Cow: Black Humor and Qurānic References in Hamadhānī's al-Maqāma al-Mawṣiliyya* ♦ **Bilal Orfali**, American University of Beirut ♦ *Hamadhānī's Maqāmāt and Its Readers: The Examples of Ibn Nāḡiyyā and al-Ḥarīrī* ♦ **Maurice Pomerantz**, New York University Abu Dhabi; Member, School of Historical Studies ♦ *The Ethical Dimension of al-Ḥarīrī's Maqāmāt: The View from Al-Panjdlīh's Commentary* ♦ **Matthew Keegan**, New York University ♦ *The Anti-Shiism of al-Hamadhānī and the Maqāmāt* ♦ **Devin Stewart**, Emory University ♦ *Response to the Anti-Shiism of al-Hamadhānī and the Maqāmāt* ♦ **Hassan Ansari**, Institute for Advanced Study; Member, School of Historical Studies ♦ *Judah al-Ḥarīzī as a Bilingual Author* ♦ **Jonathan Dexter**, Brandeis University ♦ *Religious Themes in the Tahkemoni by Judah al-Ḥarīzī* ♦ **Raymond P. Scheindlin**, Jewish Theological Seminary ♦ *Monks in Love, Greedy Priests, and Muslim Tricksters: On the Image of the Other in Post-Andalusī Hebrew Maqāmāt* ♦ **Orit Bashkin**, The University of Chicago ♦ *Closing Remarks* ♦ **Sabine Schmidtke**, Professor, School of Historical Studies, and **Maurice Pomerantz**, New York University Abu Dhabi; Member, School of Historical Studies

June 3

Non-State War Economies International Workshop ♦ *Framing War Economies* ♦ **Nicola Di Cosmo**, Luce Foundation Professor in East Asian Studies, School of Historical Studies ♦ *War Economies: A General Framework* ♦ **Didier Fassin**, James D. Wolfensohn Professor, School of Social Science ♦ *Material Motives? Resource Wars, Raw Materials, and War Economies* ♦ **Philippe Le Billion**, The University of British Columbia ♦ *Beyond the Shadows: Digital Non-State Actors in Cyberspace* ♦ **Carolyn Nordstrom**, University of Notre Dame ♦ *Warlordism in Historical Perspective* ♦ **Clémence Pinaud**, Indiana University ♦ *The War Economy of Asian Nomadic Empires in Ancient and Medieval Times* ♦ **Nicola Di Cosmo**, Luce Foundation Professor in East Asian Studies, School of Historical Studies ♦ *Warlords and Renaissance Italy* ♦ **William Caferro**, Vanderbilt University ♦ *Warlords and the Economy in Early Twentieth Century China* ♦ **Edward McCord**, The George Washington University ♦ *Non-State Actors and State Building* ♦ **Bernard Haykel**, Princeton University ♦ *Taxation and Governance by Armed Groups* ♦ **Zachariah Mampilly**, Vassar College ♦ *Somalia: The Challenges of Security in a Collapsed State* ♦ **William Reno**, Northwestern University ♦ *Social Implications of the War Economy in South Sudan in the Second (1983–2005) and Third (2013–) Civil Wars* ♦ **Clémence Pinaud**, Indiana University ♦ *A Repercussion from the Reagan Doctrine: The Spooking of Islamic Charity* ♦ **Jonathan Benthall**, University College London

June 4

Non-State War Economies International Workshop ♦ *Profits and Losses in War and Post-War* ♦ **Didier Fassin**, James D. Wolfensohn Professor, School of Social Science ♦ *An Illiberal Interpretation of War: Wartime Political Economy and "Development" in Colombia, Mozambique, and Myanmar* ♦ **Christopher Cramer**, University of London ♦ *Reconstruction's Deconstruction: The Promise and Profits of a Remade "Post-War" Afghanistan* ♦ **Catherine Lutz**, Brown University ♦ *The Effects of Conflict on Migration and the Returns to Migration in Colombia* ♦ **Ana María Ibáñez Londoño**, Universidad de los Andes

June 9

"Allographic Traditions" among Arabic-Speaking Christians, Jews, and Samaritans: Workshop on the Writing Systems of Garshuni, Judeo-Arabic, and Samaritan-Arabic ♦ *Opening Statement* ♦ **Sabine Schmidtke**, Professor, School of Historical Studies ♦ *Turks with a "uāw"* ♦ **E. Efe**, Rutgers, The State University of New Jersey ♦ *The Phenomenon of "Code Switching" in the Written Discourse of Judaeo-Arabic Texts* ♦ **Meira Pollack**, Tel Aviv University ♦ *Samaritan Traditions* ♦ **Eve Krakowski**, Princeton University ♦ *Allographic Writing in the Samaritan Manuscript Culture between Arabic and Hebrew* ♦ **Stefan Schorch**, Martin-Luther-Universität Halle-Wittenberg ♦ *Arabic and Syriac in the Samaritan Version of*

Saadya Gaon's Translation of the Pentateuch ♦ **Tamar Zewi**, University of Haifa ♦ *Syro-Turkic Garshuni Traditions* ♦ **Hassan Ansari**, Institute for Advanced Study; Member, School of Historical Studies ♦ *Poems in Turkic and Persian Garshuni from the Mongol Time* ♦ **Anton Pritula**, The State Hermitage Museum ♦ *Remarks on Some Turkic Garshuni Texts Preserved in an Eighteenth Century Chaldean Prayer Book* ♦ **Jonas Karlsson**, Uppsala University ♦ *Judeo-Arabic Traditions* ♦ **Tamar Zewi**, University of Haifa ♦ *Jewish Identity and Hebrew Script: the Case of Judaeo-Arabic* ♦ **Esther-Miriam Wagner**, University of Cambridge ♦ *Judeo-Arabic as a Legal Language: The View from the Cairo Geniza* ♦ **Eve Krakowski**, Princeton University

June 10

"Allographic Traditions" among Arabic-Speaking Christians, Jews, and Samaritans: Workshop on the Writing Systems of Garshuni, Judeo-Arabic, and Samaritan-Arabic ♦ *Syriac Garshuni Traditions* ♦ **Andrea Piras**, Università di Bologna ♦ *Syriac Garshuni: Patterns of Distribution in Different Branches of Syriac Christianity* ♦ **Grigory Kessel**, Philipps-Universität Marburg ♦ *From Garshuni to "Garshunography": Garshuni Systems in the Early Modern and Modern World* ♦ **George A. Kiraz**, Princeton University ♦ *Syro-Arabic Garshuni Traditions* ♦ **Grigory Kessel**, Philipps-Universität Marburg ♦ *The Use of Garshuni by the Melkites from a Cultural-Historical Perspective* ♦ **Johannes Pahlitzsch**, Johannes Gutenberg-Universität Mainz ♦ *Why and When to Write in Garshuni: Observations Based on Some Mainstream and Peripheral Cases* ♦ **Hidemi Takahashi**, The University of Tokyo ♦ *Spain* ♦ **George Kiraz**, Princeton University ♦ *Linguistic and Cultural Uses behind Aljamiado Texts* ♦ **Nuria Martínez de Castilla Muñoz**, Universidad Complutense Madrid ♦ *Spanish Islam in Arabic Script: Language, Identity, and Community Boundaries in the Literature of Religious Polemics of the Muslims of Late Medieval Christian Iberia* ♦ **Mònica Colominas Aparicio**, University of Amsterdam, *Arabic and Coptic* ♦ **Johannes Pahlitzsch**, Johannes Gutenberg-Universität Mainz ♦ *The "Violet Fragment": Revisiting a Strange Case of Arabic in Greek Letters* ♦ **Ronny Vollandt**, Ludwig-Maximilians-Universität München ♦ *Allographic Experiments at the Cradle and at the Grave of Coptic Written Culture* ♦ **Sebastian Richter**, Freie Universität Berlin

June 20

Digital Ottoman Platform II Workshop ♦ *Welcome and Opening Remarks* ♦ **Robbert Dijkgraaf**, Director and Leon Levy Professor, Institute for Advanced Study, and **Sabine Schmidtke**, Professor, School of Historical Studies ♦ *What We've Done, What We're Doing, Where We're Going* ♦ moderator: **Sabine Schmidtke**, Professor, School of Historical Studies ♦ *Capsule Report on DOP 1* ♦ **Amy Elizabeth Singer**, Tel Aviv University ♦ *Individual Projects Review* ♦ **Chris Gratien**, The Harvard Academy for International Area

Studies ♦ *Report on the State of the Gazetteer* ♦ **Mark Polczyński**, Marquette University, **Michał Polczyński**, Georgetown University, and **Nir Shafir**, University of California, Los Angeles ♦ *Multiple Languages, Scripts, and Orthographies in Historical Gazetteers* ♦ **Lex Berman**, Harvard University ♦ *A Schema for the Ottoman Historical Gazetteer* ♦ **Will Hanley**, Florida State University ♦ *If It Isn't Somewhere, It Doesn't Exist—The Challenge of Building a Historical GIS for the Russian Empire* ♦ **Kelly O'Neill**, Harvard University ♦ *Technical Tricks for Gathering and Reconciling Data* ♦ **Jeremy Guillelte**, Harvard University ♦ *Reinventing the Wheel? A general discussion of existing gazetteers* ♦ led by **Nir Shafir**, University of California

June 21

Digital Ottoman Platform II Workshop ♦ *Place, Space, Visualization, and Putting It Together* ♦ moderator: **Michał Polczyński**, Georgetown University ♦ *Historical Geography of Ottoman Egypt* ♦ **Nicolas Michel**, Institut Français d'Archéologie Orientale ♦ *Visualizing an Agro-Economic Regime in Ottoman Greece and Albania with GIS* ♦ **Emily Neumeier**, University of Pennsylvania ♦ *Database for Ottoman Inscriptions: Exploring Digital Possibilities* ♦ **Hakan Karateke**, The University of Chicago ♦ *Workshop Session: Introduction to Linked Data* ♦ led by **Will Hanley**, Florida State University, and **Mark Polczyński**, Marquette University ♦ *Mapping Late Ottoman Population Data in Istanbul and for the Empire* ♦ **Erdem Kabadayi**, Koç University, Istanbul ♦ *Summary discussion of the day and looking ahead* ♦ led by **Mark Polczyński**, Marquette University

June 22

Digital Ottoman Platform II Workshop ♦ *Gazetteer Madness* ♦ moderator: **Chris Gratien**, The Harvard Academy for International Area Studies ♦ *The Pleiades Project* ♦ **Tom Elliot**, Institute for the Study of the Ancient World, New York University ♦ *Spatial History Projects in Crete, Cyprus, and Beyond* ♦ **Antonis Hadjikyriacou**, Institute for Mediterranean Studies, Foundation for Research and Technology–Hellas (FORTH) ♦ *Economic and “Large-N” Analysis of Islamic Legal Practice in the Ottoman Empire: A View of the Craft’s Kitchen* ♦ **Boğaç Ergene**, The University of Vermont ♦ *Breakout GAZ #1: Creating an OTTOMAN Gazetteer* ♦ moderator: **Michał Polczyński**, Georgetown University ♦ *Breakout WEB #1: Planning for a Web Platform—Appearance, Content, Interface, Workflow to Design* ♦ moderator: **Chris Gratien**, The Harvard Academy for International Area Studies ♦ *Breakout ORG #1: Drafting a Five-Year Timeline—Tasks, Priorities, Leadership, Funds* ♦ moderator: **Amy Elizabeth Singer**, Tel Aviv University ♦ *Reports from breakouts and summary discussion* ♦ led by **Chris Gratien**, The Harvard Academy for International Area Studies

June 23

Digital Ottoman Platform II Workshop ♦ *NUTS and BOLTS* ♦ moderator: **Nina Ergin**, Koç University, Istanbul ♦ *Istanbul’s Early Modern Urban Topography and Mapping Its Narratives* ♦ **Serkan Şavk**, Izmir University of Economics ♦ *The Emma B. Andrews Diary Project—Recreating a Nile Journey in the Digital Age* ♦ **Sarah Ketchley**, University of Washington ♦ *Introduction to Git and GitHub* ♦ **Jeremy Guillelte**, Harvard University ♦ *Breakout GAZ & WEB #2: Use Cases* ♦ moderator: **Lex Berman**, Harvard University ♦ *Breakout ORG #2: Leadership and Partnership in a Collective: Workflows and Responsibility* ♦ moderator: **Sabine Schmidtke**, Professor, School of Historical Studies ♦ *Breakout GAZ #3: Ontologies: Confidence and Integrating Pre-existing Data (Defining Confidence in Sources and Assertions), Stability, Reliability, Documentation, Quality* ♦ moderator: **Tom Elliot**, Institute for the Study of the Ancient World, New York University ♦ *Breakout WEB #3: Planning a Web Platform—Appearance, Content, Interface, Workflow to Design* ♦ moderator: **Michał Polczyński**, Georgetown University ♦ *Breakout ORG #3: The DOP as an Editor/Publisher* ♦ moderator: **Nina Ergin**, Koç University, Istanbul ♦ *Reports from breakouts and summary discussion* ♦ led by **Nina Ergin**, Koç University, Istanbul

June 24

Digital Ottoman Platform II Workshop ♦ *Engagement and Sustainability* ♦ moderator: **Amy Elizabeth Singer**, Tel Aviv University ♦ *Breakout GAZ #4: Putting Things to the Test!* ♦ **Mark Polczyński** ♦ *Breakout WEB #4: How Will DOP Look to the User? What Will It Offer?* ♦ **Michał Polczyński** ♦ *Breakout ORG #4: Identifying Grants, Defining Funding Needs, Timetable for Applications* ♦ moderators: **Sabine Schmidtke**, Professor, School of Historical Studies, and **Amy Elizabeth Singer**, Tel Aviv University ♦ *General concluding discussion* ♦ led by **Amy Elizabeth Singer**, Tel Aviv University

School of Mathematics

September 17

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Spectral Summation Formulae and Their Applications* ♦ **Valentin Blomer**, Georg-August-Universität Göttingen; von Neumann Fellow, School of Mathematics

September 18

Princeton/IAS Symplectic Geometry Seminar ♦ *Fixed-Point Expressions for the Fukaya Endomorphism Algebra of RP^{2m} and Higher Genus Open Invariants* ♦ **Amitai Zernik**, The Hebrew University of Jerusalem

Computer Science/Discrete Mathematics Seminar I ♦ *Explicit Two-Source Extractors and Resilient Functions I* ♦ **Eshan Chattopadhyay**, The University of Texas at Austin

Short Talks by Postdoctoral Members ♦ *Univalent Foundations and the Equivalence Principle* ♦ **Benedikt Ahrens**, Member, School of Mathematics ♦ *On Torsion in the Cohomology of Shimura Varieties* ♦ **Ana Caraiani**, Princeton University; Veblen Research Instructor, School of Mathematics ♦ *Flows, Planes, and Circles* ♦ **Steven Frankel**, Member, School of Mathematics ♦ *Recent Developments of the Mixed Andre-Oort Conjecture* ♦ **Ziyang Gao**, Member, School of Mathematics

September 22

Computer Science/Discrete Mathematics Seminar II ♦ *Explicit Two-Source Extractors and Resilient Functions II* ♦ **Eshan Chattopadhyay**, The University of Texas at Austin

Short Talks by Postdoctoral Members ♦ *Completion Theorems in Equivariant Homotopy Theory* ♦ **Saul Glasman**, Member, School of Mathematics ♦ *Higher-Order Fourier Analysis and Applications* ♦ **Pooya Hatami**, Member, School of Mathematics ♦ *Heegaard Floer Homology and the Knot Concordance Group* ♦ **Jennifer Hom**, Member, School of Mathematics ♦ *Recent Progress on Random Walk in Groups* ♦ **Robert Daniel Hough**, Member, School of Mathematics ♦ *Hodge Theory for Combinatorial Geometries* ♦ **June Huh**, Princeton University; Veblen Fellow, School of Mathematics

September 24

Working Group on Algebraic Number Theory

Short Talks by Postdoctoral Members ♦ *Word-Induced Measures on Groups* ♦ **Doron Puder**, Member, School of Mathematics ♦ *Lower Bounds for de-Morgan Formulae* ♦ **Avishay Tal**, Member, School of Mathematics ♦ *Exponential Separation of Communication and External Information* ♦ **Gillat Kol**, Member, School of Mathematics ♦ *Toward a New Formalization of Real Numbers* ♦ **Catherine Lelay**, Member, School of Mathematics ♦ *Invariants of 4-Manifolds* ♦ **Tye Lidman**, Member, School of Mathematics ♦ *Dynamics on Moduli Spaces and Exceptional Families of Algebraic Curves* ♦ **Alexander Murray Wright**, Member, School of Mathematics

Joint IAS/Princeton University Number Theory Seminar ♦ *On the Averaged Colmez Conjecture* ♦ **Xinyi Yuan**, Institute for Advanced Study, Berkeley

September 28

Computer Science/Discrete Mathematics Seminar I ♦ *Ramsey Numbers of Degenerate Graphs* ♦ **Choongbum Lee**, Massachusetts Institute of Technology

Short Talks by Postdoctoral Members ♦ *On Cuspidality of Global Arthur Packets of Quasi-Split Classical Groups* ♦ **Baiping Liu**, Member, School of Mathematics ♦ *Type Theory and Formalization of Mathematics* ♦ **Anders**

Mörtberg, Member, School of Mathematics ♦
An Integral Lift of Contact Homology ♦ **Joanna Nelson**, Member, School of Mathematics

September 29

Short Talks by Postdoctoral Members ♦
Diophantine Approximation and Diophantine Definitions ♦ **Héctor Pastén Vásquez**, Member, School of Mathematics ♦ *p-adic Modular Forms* ♦ **Christian Johansson**, Member, School of Mathematics ♦ *Rational Points on Varieties and the Brauer-Manin Obstruction* ♦ **Damaris Schindler**, Member, School of Mathematics ♦ *Random Band Matrices: Delocalization and Universality* ♦ **Tatyana Shcherbina**, Member, School of Mathematics ♦ *Metrics on Diffeomorphism Groups in Symplectic and Contact Geometry* ♦ **Egor Shelukhin**, Member, School of Mathematics

September 30

Short Talks by Postdoctoral Members ♦ *Pseudo-Anosov Stretch Factors* ♦ **Balazs Strenner**, Member, School of Mathematics ♦ *Quantum Weak Mixing and Effective Strong Multiplicity One Theorem* ♦ **Junehyuk Jung**, Member, School of Mathematics ♦ *Quantization in Modular Setting and Its Applications* ♦ **Roman Travkin**, Member, School of Mathematics ♦ *On Smooth Actions by Higher Rank Lattices* ♦ **Zhiren Wang**, Member, School of Mathematics ♦ *Uniform Spectral Gap and Selberg Type Theorems on Infinite Area Surfaces* ♦ **Dale Winter**, Member, School of Mathematics

October 1

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Motivic Cohomology Actions and the Geometry of Eigenvarieties* ♦ **David Hansen**, Columbia University

October 2

Princeton/IAS/Columbia Symplectic Geometry Seminar ♦ *Lagrangian Cobordism: What We Know and What Is It Good For* ♦ **Octav Cornea**, Université de Montréal ♦ *Non-Trivial Hamiltonian Fibrations via K-Theory Quantization* ♦ **Egor Shelukhin**, Member, School of Mathematics

October 5

Workshop on Geometric Structures on 3-Manifolds

Computer Science/Discrete Mathematics Seminar I ♦ *Is Optimization Computationally Equivalent to Online Learning?* ♦ **Elad Hazan**, Princeton University

October 6

Workshop on Geometric Structures on 3-Manifolds

Computer Science/Discrete Mathematics Seminar II ♦ *Invariants of Random Knots* ♦ **Chaim Even Zohar**, The Hebrew University of Jerusalem

October 7

Workshop on Geometric Structures on 3-Manifolds

October 8

Workshop on Geometric Structures on 3-Manifolds

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Algebraic Solutions of Differential Equations over the Projective Line Minus Three Points* ♦ **Yunqing Tang**, Harvard University

October 9

Workshop on Geometric Structures on 3-Manifolds

Princeton/IAS Symplectic Geometry Seminar ♦ *Real Gromov-Witten Theory in All Genera* ♦ **Penka Georgieva**, Institut de Mathématiques de Jussieu, Université Pierre et Marie Curie

October 12

Computer Science/Discrete Mathematics Seminar I ♦ *Factors of Polynomials of Low Individual Degree* ♦ **Rafael Oliveira**, Princeton University

Members' Seminar ♦ *3-Manifold Groups* ♦ **Ian Agol**, University of California, Berkeley; Distinguished Visiting Professor, School of Mathematics

October 13

Workshop on Fundamental Groups and Periods

Computer Science/Discrete Mathematics Seminar II ♦ *Non-constructive Combinatorics* ♦ **Noga Alon**, Tel Aviv University; Visiting Professor, School of Mathematics

Geometric Structures on 3-Manifolds ♦ *The Four-Color Theorem and an Instanton Invariant for Spatial Graphs I* ♦ **Peter Kronheimer**, Harvard University ♦ *The Four-Color Theorem and an Instanton Invariant for Spatial Graphs II* ♦ **Tomasz Mrowka**, Massachusetts Institute of Technology

October 15

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Adjoint Selmer Groups for Polarized Automorphic Galois Representations* ♦ **Patrick Allen**, University of Illinois at Urbana-Champaign

October 16

Princeton/IAS Symplectic Geometry Seminar ♦ *3D Mirror Symmetry and Symplectic Duality* ♦ **Tudor Dimofte**, Perimeter Institute for Theoretical Physics

Mathematical Conversations ♦ *Finite Simple Groups* ♦ **Robert Guralnick**, University of Southern California; Visitor, School of Mathematics

October 19

Members' Seminar ♦ *Subgroups of Random Groups* ♦ **Danny Calegari**, The University of Chicago; Member, School of Mathematics

October 20

Geometric Structures on 3-Manifolds ♦ *Geometric Techniques in Knot Theory* ♦ **Jessica S. Purcell**, Brigham Young University; von Neumann Fellow, School of Mathematics ♦ *Non-orientable Knot Genus and the Jones Polynomial* ♦ **Efstathia Kalfagianni**, Michigan State University

October 22

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Unlikely Intersections for Two-Parameter Families of Polynomials* ♦ **Tom Tucker**, University of Rochester

October 23

Princeton/IAS Symplectic Geometry Seminar ♦ *Dehn Twists Exact Sequences through Lagrangian Cobordism* ♦ **Weiwei Wu**, Université de Montréal

October 26

Computer Science/Discrete Mathematics Seminar I ♦ *Random Words, Longest Increasing Subsequences, and Quantum PCA* ♦ **John Wright**, Carnegie Mellon University

Members' Seminar ♦ *Quantum Ergodicity for the Uninitiated* ♦ **Zeev Rudnick**, Tel Aviv University; Member, School of Mathematics

October 27

Computer Science/Discrete Mathematics Seminar II ♦ *Algorithmic Proof of the Lovász Local Lemma via Resampling Oracles* ♦ **Jan Vondrák**, IBM Almaden Research Center; Member, School of Mathematics

Geometric Structures on 3-Manifolds ♦ *CAT(0) Cube Complexes and Virtually Special Groups* ♦ **Daniel Groves**, University of Illinois at Chicago ♦ *A New Cubulation Theorem for Hyperbolic Groups* ♦ **Daniel Groves**, University of Illinois at Chicago

October 28

Mathematical Conversations ♦ *Volumes of Hyperbolic Link Complements* ♦ **Ian Agol**, University of California, Berkeley; Distinguished Visiting Professor, School of Mathematics

October 29

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *From Local Class Field Theory to the Curve and Vice Versa* ♦ **Laurent Fargues**, Institut de Mathématiques de Jussieu

October 30

Princeton/IAS/Columbia Symplectic Geometry Seminar ♦ *Floer Homology for Translated Points* ♦ **Margherita Sandon**, Université de Strasbourg ♦ *Functors and Relations from Fukaya Categories of LG Models* ♦ **Sheel Ganatra**, Stanford University

November 2

Finite Simple Groups: Thirty Years of the Atlas and Beyond, Celebrating the Atlases and Honoring John Conway

Computer Science/Discrete Mathematics Seminar I ♦ *Two-Source Dispersers for Polylogarithmic Entropy and Improved Ramsey Graphs I* ♦ **Gil Cohen**, California Institute of Technology

Members' Seminar ♦ *Optimal Knots* ♦ **Abigail Thompson**, University of California, Davis; Member, School of Mathematics

November 3

Finite Simple Groups: Thirty Years of the Atlas and Beyond, Celebrating the Atlases and Honoring John Conway

Computer Science/Discrete Mathematics Seminar II ♦ *Two-Source Dispersers for Polylogarithmic Entropy and Improved Ramsey Graphs II* ♦ **Gil Cohen**, California Institute of Technology

Geometric Structures on 3-Manifolds ♦ *Random Walks on Groups with Hyperbolic Properties* ♦ **Joseph Maher**, City University of New York ♦ *Random Walks on Weakly Hyperbolic Groups* ♦ **Joseph Maher**, City University of New York

November 4

Finite Simple Groups: Thirty Years of the Atlas and Beyond, Celebrating the Atlases and Honoring John Conway

November 5

Finite Simple Groups: Thirty Years of the Atlas and Beyond, Celebrating the Atlases and Honoring John Conway

November 6

Princeton/IAS Symplectic Geometry Seminar ♦ *Negative and Positive Results in the Intersection between Systolic and Symplectic Geometry* ♦ **Umberto Hryniewicz**, Universidade Federal do Rio de Janeiro

November 7

Workshop on Topology: Identifying Order in Complex Systems ♦ *Critical Mechanical Structures: Topology and Entropy* ♦ **Xiaoming Mao**, University of Michigan ♦ *Topological Effects in Metals: From Chiral and Gyrotropic Magnetic Effects to Quenched Majoranas* ♦ **Joel Moore**, University of California, Berkeley ♦ *Topological and Combinatorial Methods in Theoretical Distributed Computing* ♦ **Dmitry Feichtner-Kozlov**, Institut für Algebra, Geometrie, Topologie und deren Anwendungen (ALTA), Universität Bremen ♦ *Hierarchical Clustering on Asymmetric Networks* ♦ **Facundo Mémoli**, The Ohio State University ♦ *Interactive Visualization of 2-D Persistence Modules* ♦ **Michael Lesnick**, Columbia University

November 9

Computer Science/Discrete Mathematics Seminar I ♦ *Cutting Plane Method: A Faster Algorithm for Many (Combinatorial) Optimization Problems* ♦ **Yin Tat Lee**, Massachusetts Institute of Technology

Members' Seminar ♦ *Hard Lefschetz Theorem and Hodge-Riemann Relations for Combinatorial Geometries* ♦ **June Huh**, Princeton University; Veblen Fellow, School of Mathematics

Minerva Lectures at Princeton University ♦ *I: Geometry and Dynamics on Hyperbolic Surfaces* ♦ **Maryam Mirzakhani**, Stanford University; Member, School of Mathematics

November 10

Computer Science/Discrete Mathematics Seminar II ♦ *Exponential Separation of Communication and External Information* ♦ **Gillat Kol**, Member, School of Mathematics

Joint IAS/Princeton University Number Theory Seminar ♦ *On the Moy-Prasad Filtration and Supercuspidal Representations* ♦ **Jessica Fintzen**, Harvard University

November 11

Minerva Lectures at Princeton University ♦ *II: Dynamics on Moduli Spaces of Hyperbolic Surfaces* ♦ **Maryam Mirzakhani**, Stanford University; Member, School of Mathematics

Mathematical Conversations ♦ *Effective Hyperbolic Geometry* ♦ **David Futer**, Temple University; Member, School of Mathematics

November 12

Working Group on Algebraic Number Theory

Geometric Structures on 3-Manifolds ♦ *Pseudo-Anosov Constructions and Penner's Conjecture* ♦ **Balazs Strenner**, Member, School of Mathematics ♦ *Algebraic Degrees and Galois Conjugates of Pseudo-Anosov Stretch Factors* ♦ **Balazs Strenner**, Member, School of Mathematics

Joint IAS/Princeton University Number Theory Seminar ♦ *Hasse Principle for Kummer Varieties* ♦ **Alexei Skorobogatov**, Imperial College London; Member, School of Mathematics

November 13

Princeton/IAS Symplectic Geometry Seminar ♦ *Legendrian Fronts in Contact Topology* ♦ **Roger Casals**, Massachusetts Institute of Technology

Minerva Lectures at Princeton University ♦ *III: Counting Mapping Class Group Orbits on Hyperbolic Surfaces* ♦ **Maryam Mirzakhani**, Stanford University; Member, School of Mathematics

November 16

Computer Science/Discrete Mathematics Seminar I ♦ *How Quaternion Algebras over Number Fields Are Useful for Creating Compiler for a Quantum Computer?* ♦ **Vadym Kliuchnikov**, Microsoft Research, Redmond, Washington

Members' Seminar ♦ *The $SL(2, \mathbb{R})$ Action on Moduli Space* ♦ **Alex Eskin**, The University of Chicago; Member, School of Mathematics

November 17

Computer Science/Discrete Mathematics Seminar II ♦ *Cohomology for Computer Science* ♦ **Alex Lubotzky**, The Hebrew University of Jerusalem

Geometric Structures on 3-Manifolds ♦ *The Complex Geometry of Teichmüller Spaces and Bounded Symmetric Domains I* ♦ **Stergios Antonakoudis**, University of Cambridge ♦ *The Complex Geometry of Teichmüller Spaces and Bounded Symmetric Domains II* ♦ **Stergios Antonakoudis**, University of Cambridge

November 18

Mathematical Conversations ♦ *An Introduction to Chromatic Homotopy Theory* ♦ **Saul Glasman**, Member, School of Mathematics

November 19

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Geometric Deformations of Orthogonal and Symplectic Galois Representations* ♦ **Jeremy Booher**, Stanford University

November 20

Princeton/IAS Symplectic Geometry Seminar ♦ *Low-Area Floer Theory and Non-displaceability* ♦ **Dmitry Tonkonog**, University of Cambridge

November 23

Computer Science/Discrete Mathematics Seminar I ♦ *Advances on Ramsey Numbers* ♦ **Jacob Fox**, Stanford University

Members' Seminar ♦ *Fun with Finite Covers of 3-Manifolds: Connections between Topology, Geometry, and Arithmetic* ♦ **Nathan Dunfield**, University of Illinois at Urbana-Champaign; Member, School of Mathematics

November 24

Computer Science/Discrete Mathematics Seminar II ♦ *General Systems of Linear Forms: Equidistribution and True Complexity* ♦ **Pooya Hatami**, Member, School of Mathematics

Geometric Structures on 3-Manifolds ♦ *Hausdorff Dimension of Kleinian Group Uniformization of Riemann Surface and Conformal Rigidity* ♦ **Yong Hou**, Princeton University; Visitor, School of Mathematics

November 25

Joint IAS/Princeton University Number Theory Seminar ♦ *Several Non-archimedean Variables, Isolated Periodic Points, and Zhang's Conjecture* ♦ **Alon Levy**, KTH Royal Institute of Technology, Stockholm

November 30

Computer Science/Discrete Mathematics Seminar I ♦ *Lower Bounds on the Size of Semidefinite Programming Relaxations* ♦ **David Steurer**, Cornell University

Members' Seminar ♦ *Billiards in Quadrilaterals, Hurwitz Spaces, and Real Multiplication of Hecke Type* ♦ **Alexander Wright**, Member, School of Mathematics

December 1

Computer Science/Discrete Mathematics Seminar II ♦ *Rigidity of Random Toeplitz Matrices with an Application to Depth Three Circuits* ♦ **Avishay Tal**, Member, School of Mathematics

Geometric Structures on 3-Manifolds ♦ *Volume and Homology for Hyperbolic 3-Orbifolds, and the Enumeration of Arithmetic Groups I* ♦ **Peter Shalen**, University of Illinois at Chicago ♦ *Volume and Homology for Hyperbolic 3-Orbifolds, and the Enumeration of Arithmetic Groups II* ♦ **Peter Shalen**, University of Illinois at Chicago

December 2

Princeton University Mathematics Department Colloquium ♦ *Veering Triangulations and Pseudo-Anosov Flows* ♦ **Ian Agol**, University of California, Berkeley; Distinguished Visiting Professor, School of Mathematics

Mathematical Conversations ♦ *Limitations for Hilbert's Tenth Problem over the Rationals* ♦ **Héctor Pastén Vásquez**, Member, School of Mathematics

December 3

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Generating Series of Arithmetic Divisors in Unitary Shimura Varieties* ♦ **Tonghai Yang**, University of Wisconsin-Madison

December 4

Princeton/IAS Symplectic Geometry Seminar ♦ *Point-Like Bounding Chains in Open Gromov-Witten Theory* ♦ **Sara Tukachinsky**, The Hebrew University of Jerusalem

Joint IAS/Princeton University Number Theory Seminar ♦ *Arithmetic of Double Torus Quotients and the Distribution of Periodic Torus Orbits* ♦ **Ilya Khayutin**, The Hebrew University of Jerusalem

December 7

Workshop on Flows, Foliations, and Contact Structures

Computer Science/Discrete Mathematics Seminar I ♦ *Bias vs. Low Rank of Polynomials with Applications to List Decoding and Effective Algebraic Geometry* ♦ **Abhishek Bhowmick**, The University of Texas at Austin

December 8

Workshop on Flows, Foliations, and Contact Structures

Computer Science/Discrete Mathematics Seminar II ♦ *Ramanujan Coverings of Graphs* ♦ **Doron Puder**, Member, School of Mathematics

December 9

Workshop on Flows, Foliations, and Contact Structures

December 10

Workshop on Flows, Foliations, and Contact Structures

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *The First Order Theory of Meromorphic Functions* ♦ **Héctor Pastén Vásquez**, Member, School of Mathematics

December 11

Workshop on Flows, Foliations, and Contact Structures

December 14

Computer Science/Discrete Mathematics Seminar I ♦ *Toward the KRW Conjecture: Cubic Lower Bounds via Communication Complexity* ♦ **Or Meir**, University of Haifa

Members' Seminar ♦ *Locally Symmetric Spaces and Torsion Classes* ♦ **Ana Caraiani**, Princeton University; Veblen Research Instructor, School of Mathematics

Geometric Structures on 3-Manifolds ♦ *Quasi-Fuchsian Surfaces in Finite-Volume Hyperbolic 3-Manifolds* ♦ **Daryl Cooper**, University of California, Santa Barbara; Member, School of Mathematics

December 17

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Modularity and Potential Modularity Theorems in the Function Field Setting* ♦ **Michael Harris**, Columbia University

Joint IAS/Princeton University Number Theory Seminar ♦ *Decoupling in Harmonic Analysis and the Vinogradov Mean Value Theorem* ♦ **Jean Bourgain**, IBM von Neumann Professor; School of Mathematics

December 18

Princeton/IAS Symplectic Geometry Seminar ♦ *Absolute vs. Relative Gromov-Witten Invariants* ♦ **Mohammad Tehrani**, Stony Brook University, The State University of New York

January 12

Computer Science/Discrete Mathematics Seminar II ♦ *Anti-concentration: Results and Applications* ♦ **Hoi Nguyen**, The Ohio State University; von Neumann Fellow, School of Mathematics

January 13

Mathematical Conversations ♦ *Combinatorics to Geometry to Arithmetic of Circle Packings* ♦ **Alex Kontorovich**, Rutgers, The State University of New Jersey; Member, School of Mathematics

January 19

Computer Science/Discrete Mathematics Seminar II ♦ *Proof Complexity Lower Bounds from Algebraic Circuit Complexity* ♦ **Michael Forbes**, Visitor, School of Mathematics

Geometric Structures on 3-Manifolds ♦ *Low-Dimensional Dynamics and Hyperbolic 3-Manifolds* ♦ **André de Carvalho**, Universidade de São Paulo

January 20

Mathematical Conversations ♦ *Heegaard Splittings and the Stabilization Problem for 3-Manifolds* ♦ **Abigail Thompson**, University of California, Davis; Member, School of Mathematics

January 21

Princeton/IAS Symplectic Geometry Seminar ♦ *From Symplectic Geometry to Combinatorics and Back* ♦ **Dan Cristofaro-Gardiner**, Harvard University

January 25

Short Talks by Postdoctoral Members ♦ *Topics between Combinatorics, Geometry, and Algebra* ♦ **Karim Alexander Adiprasito**, Member,

School of Mathematics ♦ *Affine Springer Fibers and Representation Theory* ♦ **Cheng-Chiang Tsai**, Member, School of Mathematics

January 26

Geometric Structures on 3-Manifolds ♦ *Geometry of Complex Surface Singularities and 3-Manifolds* ♦ **Walter D. Neumann**, Columbia University; Member, School of Mathematics

February 1

Computer Science/Discrete Mathematics Seminar I ♦ *Constant-Round Interactive-Proofs for Delegating Computations* ♦ **Ron Rothblum**, Massachusetts Institute of Technology

Members' Seminar ♦ *The Space of Surface Shapes and Some Applications to Biology* ♦ **Joel Hass**, University of California, Davis; Member, School of Mathematics

February 2

Computer Science/Discrete Mathematics Seminar II ♦ *Constant-Round Interactive-Proofs for Delegating Computations (continued)* ♦ **Ron Rothblum**, Massachusetts Institute of Technology

Geometric Structures on 3-Manifolds ♦ *Profinite Rigidity and Flexibility for Compact 3-Manifold Groups* ♦ **Alan Reid**, The University of Texas at Austin; Member, School of Mathematics

February 4

Princeton/IAS Symplectic Geometry Seminar ♦ *Floor Theory Revisited* ♦ **Mohammed Abouzaid**, Columbia University

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Cycles on the Moduli of Shtukas and Taylor Coefficients of L-Functions* ♦ **Wei Zhang**, Columbia University

February 5

Mathematical Conversations ♦ *Computer Algebra Systems, Formal Proofs, and Interactive Theorem Proving* ♦ **Anders Mörtberg**, Member, School of Mathematics

February 8

Computer Science/Discrete Mathematics Seminar I ♦ *Bipartite Perfect Matching Is in Quasi-NC* ♦ **Stephen Fenner**, University of South Carolina

Members' Seminar ♦ *The Singularity of Symbolic Matrices* ♦ **Avi Wigderson**, Herbert H. Maass Professor, School of Mathematics

Special Analysis/Number Theory Seminar ♦ *Variance of Sums of Arithmetic Functions over Primes in Short Intervals* ♦ **Jon Keating**, University of Bristol

February 9

Computer Science/Discrete Mathematics Seminar II ♦ *The Singularity of Symbolic Matrices* ♦ **Avi Wigderson**, Herbert H. Maass Professor, School of Mathematics

Geometric Structures on 3-Manifolds ♦ *Obstructions to Minimal Fibrations of Hyperbolic 3-Manifolds* ♦ **Joel Hass**, University of California, Davis; Member, School of Mathematics

February 10

Mathematical Conversations ♦ *Hyperbolicity in Dynamics* ♦ **Steven Frankel**, Member, School of Mathematics

February 11

Augmentations and Legendrians at the IAS ♦ *Restrictions on the Fundamental Group of Some Lagrangian Cobordisms* ♦ **Baptiste Chantraine**, Université de Nantes

Augmentations and Legendrians at the IAS ♦ *Toward a Contact Fukaya Category* ♦ **Lenny Ng**, Duke University ♦ *Satellite Operations and Legendrian Knot Theory* ♦ **John Etnyre**, Georgia Institute of Technology; Member, School of Mathematics

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Statistics of Abelian Varieties over Finite Fields* ♦ **Michael Lipnowski**, Duke University

February 12

Augmentations and Legendrians at the IAS ♦ *A Frontal View on Lefschetz Fibrations I* ♦ **Emmy Murphy**, Massachusetts Institute of Technology ♦ *A Frontal View on Lefschetz Fibrations II* ♦ **Roger Casals**, Massachusetts Institute of Technology ♦ *A Quantitative Look at Lagrangian Cobordisms* ♦ **Lisa Traynor**, Bryn Mawr College; Member, School of Mathematics

February 15

Geometric Structures on 3-Manifolds ♦ *Minimal Surfaces in 3-Manifold Topology* ♦ **Dan Ketover**, Imperial College London

February 16

Computer Science/Discrete Mathematics Seminar II ♦ *The Singularity of Symbolic Matrices* ♦ **Avi Wigderson**, Herbert H. Maass Professor, School of Mathematics

February 17

Mathematical Conversations ♦ *Quantum Chaos and Eigenvalue Statistics* ♦ **Zeev Rudnick**, Tel Aviv University; Member, School of Mathematics

February 18

Princeton/IAS Symplectic Geometry Seminar ♦ *Spectral Invariants for Contactomorphisms of Prequantization Bundles and Applications* ♦ **Frol Zapolsky**, University of Haifa

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Vanishing Cycles and Bilinear Forms* ♦ **Will Sawin**, Princeton University

February 22

Computer Science/Discrete Mathematics Seminar I ♦ *The Deterministic Communication Complexity of Approximate Fixed Point* ♦ **Omri Weinstein**, New York University

Members' Seminar ♦ *Mock and Quantum Modular Forms* ♦ **Amanda Folsom**, Amherst College; von Neumann Fellow, School of Mathematics

February 23

Computer Science/Discrete Mathematics Seminar II ♦ *Minkowski Sums, Mixed Faces, and Combinatorial Isoperimetry* ♦ **Karim Alexander Adiprasito**, Member, School of Mathematics

Geometric Structures on 3-Manifolds ♦ *Free Group Cayley Graph and Measure Decompositions* ♦ **Yong Hou**, Princeton University; Visitor, School of Mathematics

Analysis Seminar ♦ *Stochastic Quantization Equations* ♦ **Hao Shen**, Columbia University

February 24

Analysis Seminar ♦ *Global Existence and Convergence of Solutions to Gradient Systems and Applications to Yang-Mills Flow* ♦ **Paul Feehan**, Rutgers, The State University of New Jersey; Member, School of Mathematics

February 25

Princeton/IAS Symplectic Geometry Seminar ♦ *Positive Loops—On a Question by Eliashberg-Polterovich and a Contact Systolic Inequality* ♦ **Peter Albers**, Universität Münster

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Euler Systems for Rankin-Selberg Convolutions and Generalisations* ♦ **Sarah Zerbes**, University College London

February 29

Computer Science/Discrete Mathematics Seminar I ♦ *Graph Isomorphism in Quasipolynomial Time I* ♦ **László Babai**, The University of Chicago

Members' Seminar ♦ *Word Measures on Unitary Groups* ♦ **Doron Puder**, Member, School of Mathematics

March 1

Computer Science/Discrete Mathematics Seminar II ♦ *Graph Isomorphism in Quasipolynomial Time II* ♦ **László Babai**, The University of Chicago

Geometric Structures on 3-Manifolds ♦ *Morse Index and Multiplicity of Min-Max Minimal Hypersurfaces* ♦ **Fernando Codá Marques**, Princeton University

March 2

Analysis Seminar ♦ *Supersymmetric Approach to Random Band Matrices* ♦ **Tatyana Shcherbina**, Member, School of Mathematics

Mathematical Conversations ♦ *Totally Geodesic Surfaces in Hyperbolic 3-Manifolds* ♦ **Alan Reid**, The University of Texas at Austin; Member, School of Mathematics

March 3

Princeton/IAS Symplectic Geometry Seminar ♦ *Subflexible Symplectic Manifolds* ♦ **Kyler Siegel**, Stanford University

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Density of Polynomials with Squarefree Discriminant* ♦ **Jerry Wang**, Princeton University

March 4

Joint IAS/Princeton University Number Theory Seminar ♦ *The Asymptotic Behavior of Sup Norms of Maass Forms* ♦ **Simon Marshall**, University of Wisconsin–Madison

March 7

Computer Science/Discrete Mathematics Seminar I ♦ *Almost Optimal Sum of Squares Lower Bound for Planted Clique* ♦ **Pravesh Kothari**, The University of Texas at Austin

March 8

Computer Science/Discrete Mathematics Seminar II ♦ *Fast Learning Requires Good Memory: A Time-Space Lower Bound for Parity Learning* ♦ **Ran Raz**, Weizmann Institute of Science; Visiting Professor, School of Mathematics

Analysis Seminar ♦ *The Hidden Landscape of Localization of Eigenfunctions* ♦ **Svitlana Mayboroda**, University of Minnesota

Geometric Structures on 3-Manifolds ♦ *Proper Affine Actions of Right-Angled Coxeter Groups* ♦ **Jeffrey Danciger**, The University of Texas at Austin

March 9

Mathematical Conversations ♦ *Where a Surface Is Determined by Its Boundary: The World of Lagrangian Fillings of Legendrian Knots* ♦ **Lisa Traynor**, Bryn Mawr College; Member, School of Mathematics

March 10

Princeton/IAS Symplectic Geometry Seminar ♦ *Homological Mirror Symmetry for Singularities of Type T_{pqr}* ♦ **Ailsa Keating**, Columbia University

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Iwasawa Theory for the Symmetric Square of a Modular Form* ♦ **David Loeffler**, University of Warwick

March 14

Computer Science/Discrete Mathematics Seminar I ♦ *Lower Bounds for Homogeneous Depth-5 Arithmetic Circuits over Finite Fields* ♦ **Mrinal Kumar**, Rutgers, The State University of New Jersey

March 15

Computer Science/Discrete Mathematics Seminar II ♦ *Proof Complexity—An Introduction* ♦ **Avi Wigderson**, Herbert H. Maass Professor, School of Mathematics

Analysis Seminar ♦ *Topology of the Set of Singularities of Viscosity Solutions of the Hamilton-Jacobi Equation* ♦ **Albert Fathi**, École Normale Supérieure de Lyon

Hermann Weyl Lectures ♦ *Weyl Groups, and Their Generalizations, in Enumerative Geometry I* ♦ **Andrei Okounkov**, Columbia University

March 16

Analysis Seminar ♦ *Local Eigenvalue Statistics for Random Regular Graphs* ♦ **Roland Bauerschmidt**, Harvard University

Hermann Weyl Lectures ♦ *Weyl Groups, and Their Generalizations, in Enumerative Geometry II* ♦ **Andrei Okounkov**, Columbia University

Mathematical Conversations ♦ *p-adic Numbers in Cryptography and Data Compression* ♦ **Mark Goresky**, Member, School of Mathematics

March 17

Hermann Weyl Lectures ♦ *Weyl Groups, and Their Generalizations, in Enumerative Geometry III* ♦ **Andrei Okounkov**, Columbia University

March 18

Geometric Structures on 3-Manifolds ♦ *Counting Closed Orbits of Anosov Flows in Free Homotopy Classes* ♦ **Sergio Fenley**, Florida State University; Visitor, School of Mathematics

March 21

Computer Science/Discrete Mathematics Seminar I ♦ *Polynomial-Time Tensor Decompositions via Sum-of-Squares* ♦ **Tengyu Ma**, Princeton University

Members' Seminar ♦ *An Introduction to the abc Conjecture* ♦ **Héctor Pastén Vásquez**, Member, School of Mathematics

Symplectic Geometry Seminar ♦ *Stable Homotopy Theory and Floer Theory* ♦ **Thomas Kragh**, Uppsala University

March 22

Computer Science/Discrete Mathematics Seminar II ♦ *The Resolution Proof System* ♦ **Avi Wigderson**, Herbert H. Maass Professor, School of Mathematics

Geometric Structures on 3-Manifolds ♦ *Slowly Converging Pseudo-Anosovs* ♦ **Mark Bell**, University of Illinois at Urbana-Champaign

March 23

Analysis Seminar ♦ *Universality for Random Matrices Beyond Mean Field Models* ♦ **Paul Bourgade**, New York University

March 24

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Low-Lying, Fundamental, Reciprocal Geodesics* ♦ **Alex Kontorovich**, Rutgers, The State University of New Jersey; Member, School of Mathematics

March 25

Mathematical Conversations ♦ *Conversations on Schubert's "Wanderefantasie"* ♦ **Valentin Blomer**, Georg-August-Universität Göttingen; von Neumann Fellow, School of Mathematics

March 28

Workshop on Thin Groups and Super Approximation

Computer Science/Discrete Mathematics Seminar I ♦ *A Local Central Limit Theorem for Triangles in a Random Graph* ♦ **Swastik Kopparty**, Rutgers, The State University of New Jersey

March 29

Workshop on Thin Groups and Super Approximation

March 30

Workshop on Thin Groups and Super Approximation

Mathematical Conversations ♦ *What Is the Fukaya Category?* ♦ **Octav Cornea**, Université de Montréal; Member, School of Mathematics

March 31

Workshop on Thin Groups and Super Approximation

Working Group on Algebraic Number Theory

Princeton/IAS Symplectic Geometry Seminar ♦ *Cellular Homology, Augmentations, and Generating Families for Legendrian Surfaces* ♦ **Michael Sullivan**, University of Massachusetts

Joint IAS/Princeton University Number Theory Seminar ♦ *Lambda-adic Waldspurger Packets* ♦ **Vinayak Vatsal**, The University of British Columbia

April 1

Workshop on Thin Groups and Super Approximation

Princeton/IAS/Columbia Symplectic Geometry Seminar ♦ *Log Canonical Threshold and Floer Homology of the Monodromy* ♦ **Mark McLean**, Stony Brook University, The State University of New York ♦ *Infinitely Many Monotone Lagrangian Töri in Del Pezzo Surfaces* ♦ **Renato Vianna**, University of Cambridge

April 4

Computer Science/Discrete Mathematics Seminar I ♦ *An Average-Case Depth Hierarchy Theorem for Boolean Circuits I* ♦ **Li-Yang Tan**, Toyota Technological Institute at Chicago Members' Seminar ♦ *Knot Surgery and Heegaard Floer Homology* ♦ **Jennifer Hom**, Member, School of Mathematics

Geometric Structures on 3-Manifolds ♦ *The Solution to the Sphere Packing Problem in 24 Dimensions via Modular Forms* ♦ **Stephen Miller**, Rutgers, The State University of New Jersey

April 5

Computer Science/Discrete Mathematics Seminar II ♦ *An Average-Case Depth Hierarchy Theorem for Boolean Circuits II* ♦ **Li-Yang Tan**, Toyota Technological Institute at Chicago

Geometric Structures on 3-Manifolds ♦ *Collapsing Hyperbolic Structures: From Rigidity to Flexibility and Back* ♦ **Steve Kerckhoff**, Stanford University

April 6

Analysis Seminar ♦ *Quantum Yang-Mills Theory in Two Dimensions: Exact vs. Perturbative* ♦ **Timothy Nguyen**, Michigan State University

Mathematical Conversations ♦ *Entrance Path Category of a Stratified Space* ♦ **Amit Patel**, Member, School of Mathematics

April 7

Princeton/IAS Symplectic Geometry Seminar ♦ *Stein Fillings of Cotangent Bundles of Surfaces* ♦ **Jeremy van Horn Morris**, University of Arkansas ♦ *Classification Results for Two-Dimensional Lagrangian Töri* ♦ **Georgios Dimitroglou-Rizell**, University of Cambridge ♦ *Filtering the Heegaard-Floer Contact Invariant* ♦ **Gordana Matic**, University of Georgia

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Potential Automorphy of $\hat{G}$ -Local Systems* ♦ **Jack Thorne**, University of Cambridge

April 9

Workshop on Topology: Identifying Order in Complex Systems ♦ *Volumes of the Basins of Attraction for Mechanically Stable Disk Packings* ♦ **Corey O'Hern**, Yale University ♦ *Towards a Homological Description of Nonlinear Dynamics* ♦ **Konstantin Mischaikow**, Rutgers, The State University of New Jersey ♦ *Metrics on the Space of Shapes, and Applications to Biology* ♦ **Joel Hass**, University of California, Davis; Member, School of Mathematics ♦ *A Topological Predictor of Protein Compressibility* ♦ **Vidit Nanda**, University of Pennsylvania

April 11

Members' Seminar ♦ *Applications of Thin Orbits* ♦ **Alex Kontorovich**, Rutgers, The State University of New Jersey; Member, School of Mathematics

April 12

Geometric Structures on 3-Manifolds ♦ *Veering Dehn Surgery* ♦ **Saul Schleimer**, University of Warwick

April 14

Working Group on Algebraic Number Theory

Geometric Structures on 3-Manifolds ♦ *A Graph Coloring Problem and Its Algebraic and Topological Consequences* ♦ **Daniel Wise**, McGill University and Technion-Israel Institute of Technology

Joint IAS/Princeton University Number Theory Seminar ♦ *Optimal Strong Approximation for Quadratic Forms* ♦ **Naser Talebizadeh Sardari**

April 15

Princeton/IAS Symplectic Geometry Seminar ♦ *Symplectic Embeddings and Infinite Staircases* ♦ **Ana Rita Pires**, Fordham University

April 19

Computer Science/Discrete Mathematics Seminar II ♦ *A Characterization of Functions with Vanishing Averages over Products of Disjoint Sets* ♦ **Pooya Hatami**, Member, School of Mathematics

Analysis Seminar ♦ *Spectral Gaps via Additive Combinatorics* ♦ **Semyon Dyatlov**, Massachusetts Institute of Technology ♦ *On the Number of Nodal Domains of Toral Eigenfunctions* ♦ **Igor Wigman**, King's College London

April 20

Geometric Structures on 3-Manifolds ♦ *Meridional Essential Surfaces of Unbounded Euler Characteristics in Knot Complements* ♦ **João Nogueira**, Universidade de Coimbra

April 21

Princeton/IAS Symplectic Geometry Seminar ♦ *A Heegaard Floer Analog of Algebraic Torsion* ♦ **Cagatay Kutluhan**, University at Buffalo, The State University of New York; von Neumann Fellow, School of Mathematics

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Standard Conjecture of Künneth Type with Torsion Coefficients* ♦ **Junecue Suh**, University of California, Santa Cruz

April 25

Analysis Seminar ♦ *Exponential Convergence to the Maxwell Distribution of Solutions of Spatially Inhomogeneous Boltzmann Equations* ♦ **Gang Zhou**, California Institute of Technology

April 26

Computer Science/Discrete Mathematics Seminar II ♦ *Reed-Muller Codes for Random Erasures and Errors* ♦ **Amir Shpilka**, Tel Aviv University

April 27

Analysis Seminar ♦ *Random Data Cauchy Theory for Some Nonlinear Wave Equations* ♦ **Dana Mendelson**, Member, School of Mathematics ♦ *On the Kinetic Fokker-Planck Equation in Bounded Domains* ♦ **Juhi Jang**, University of Southern California; von Neumann Fellow, School of Mathematics

April 28

Princeton/IAS Symplectic Geometry Seminar ♦ *Small Symplectic and Exotic 4-Manifolds via Positive Factorizations* ♦ **R. İnanç Baykur**, University of Massachusetts

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Variation of Canonical Height, Illustrated* ♦ **Laura de Marco**, Northwestern University

May 3

Computer Science/Discrete Mathematics Seminar II ♦ *Fourier Tails for Boolean Functions and Their Applications* ♦ **Avishay Tal**, Member, School of Mathematics

Geometric Structures on 3-Manifolds ♦ *NonLERFness of Groups of Certain Mixed 3-Manifolds and Arithmetic Hyperbolic n -Manifolds* ♦ **Hongbin Sun**, University of California, Berkeley

May 4

Analysis Seminar ♦ *The Minimum Modulus Problem for Covering Systems* ♦ **Robert Daniel Hough**, Member, School of Mathematics

May 5

Joint IAS/Princeton University Number Theory Seminar ♦ *Rational Curves on Elliptic Surfaces* ♦ **Douglas Ulmer**, Georgia Institute of Technology

May 6

Celebrating Emmy Noether ♦ *Symmetry and Conservation Laws: Noether's Contribution to Physics* ♦ **Karen Uhlenbeck**, The

University of Texas at Austin; Visitor, School of Mathematics ♦ *Emmy Noether: Breathtaking Mathematics* ♦ **Georgia Benkart**, University of Wisconsin–Madison

May 10

2016 Women and Mathematics

Joint IAS/Princeton University Number Theory Seminar ♦ *On the Hilbert Property and the Fundamental Group of Algebraic Varieties* ♦

Umberto Zannier, Scuola Normale Superiore di Pisa

May 11–13

2016 Women and Mathematics

May 16

2016 Women and Mathematics ♦ *Visit to Princeton University*

May 17–20

2016 Women and Mathematics

May 19

Joint IAS/Princeton University Number Theory Seminar ♦ *On p -Torsion in Class Groups of Number Fields* ♦ **Lillian Pierce**, Duke University

May 21–24

Analysis and Beyond: Celebrating Jean Bourgain's Work and Its Impact ♦
Organizers and Lecturers: **Peter Sarnak**, Professor, School of Mathematics; **Sergei Konyagin**, Moscow State University; **Alireza Salehi Golsefidy**, University of California, San Diego; **Alex Gamburd**, University of California, Santa Cruz; **Alex Kontorovich**, Institute for Advanced Study; **Tamar Ziegler**, The Hebrew University of Jerusalem; **Enrico Bombieri**, Professor Emeritus, School of Mathematics; **Terence Tao**, University of California, Los Angeles; **Larry Guth**, Massachusetts Institute of Technology; **Ciprian Demeter**, Indiana University; **Assaf Naor**, Princeton University; **Haim Brezis**, Rutgers, The State University of New Jersey; **Vitali Milman**, Tel Aviv University; **Gilles Pisier**, Texas A&M University; **Peter Sarnak**, Professor, School of Mathematics; **Gil Kalai**, The Hebrew University of Jerusalem; **Avi Wigderson**, Herbert H. Maass Professor, School of Mathematics; **Svetlana Jitomirskaya**, University of California, Irvine; **Wilhelm Schlag**, University of Chicago; **Gigliola Staffilani**, Massachusetts Institute of Technology; **Andrea Nahmod**, University of Massachusetts; **Carlos Kenig**, University of Chicago; **Péter Varjú**, University of Cambridge; **Elon Lindenstrauss**, The Hebrew University of Jerusalem; **Emmanuel Breuillard**, Université of Paris–Sud 11

May 26

Joint IAS/Princeton University Number Theory Seminar ♦ *Divisibility of Coefficients of Modular Forms* ♦ **Joel Bellaïche**, Brandeis University

June 17–18

Conference for African American Researchers in the Mathematical Sciences

School of Natural Sciences

ASTROPHYSICS ACTIVITIES

July 6

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Fast, Accurate Predictions of Galaxy Auto and Cross Power Spectra with Cosmic Emulators* ♦ **Juliana Kwan**, University of Pennsylvania

September 15

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *The Gravity of Kepler Systems* ♦ **Eric Agol**, University of Washington

September 17

Astrophysics Informal Seminar ♦ *Superfluid Dark Matter* ♦ **Lasha Berezhiani**, Princeton University

September 22

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Order Out of Chaos: Formation of Galaxies in a Hierarchical Universe* ♦ **Andrey Kravtsov**, The University of Chicago

September 28

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Oscillations in the CMB Bispectrum —Theory and Data Analysis* ♦ **Moritz Münchmeyer**, Institut d'Astrophysique de Paris

September 29

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *New Insights into Stellar Interiors from Asteroseismology* ♦ **Lars Bildsten**, Kavli Institute for Theoretical Physics, University of California, Santa Barbara

October 1

Astrophysics Informal Seminar ♦ *Young Pulsars and the Galactic Center GeV Gamma-Ray Excess* ♦ **Ryan O'Leary**, University of Colorado

October 6

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *MINERVA-Red: An Intensive Survey for Planets Orbiting the Nearest Low-Mass Stars to the Sun* ♦ **Cullen Blake**, University of Pennsylvania

October 8

Astrophysics Informal Seminar ♦ *Tuning the Clock: Making Sense of Stellar Rotation Observed with Kepler* ♦ **Jennifer L. van Saders**, Carnegie Observatories, Carnegie Institution for Science

October 12

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Helium Reionization Simulations: Seeing the Forest for the Trees* ♦ **Paul La Plante**, Carnegie Mellon University

October 13

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *The Macrophysics and Microphysics of Cosmic Rays* ♦ **Ellen Zweibel**, University of Wisconsin–Madison

October 15

Astrophysics Informal Seminar ♦ *New Tests of Not-So-Dark Matter* ♦ **Yacine Ali-Haïmoud**, Johns Hopkins University

October 20

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Lonely Galaxies: The Baryon Content of Isolated Dwarf Galaxies* ♦ **Marla Geha**, Yale University

October 22

Astrophysics Informal Seminar ♦ *Probing the Primordial Universe with Large-Scale Structure* ♦ **Valentin Assassi**, Institute for Advanced Study; Member, School of Natural Sciences

October 26

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Modelling the Large Scale Structure with and without Massive Neutrinos* ♦ **Elena Massara**, Scuola Internazionale Superiore di Studi Avanzati

October 27

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *The Surprisingly Dynamic Last Years in the Lives of Massive Stars* ♦ **Eliot Quataert**, University of California, Berkeley

October 29

Astrophysics Informal Seminar ♦ *Looking for Dark Matter in the Neutrino Sector: A Tale of Weak Interactions in the Strong Coupling Epoch* ♦ **Tejaswi Venumadhav Nerella**, Institute for Advanced Study; Member, School of Natural Sciences

November 2

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Cosmology Constraints from Weak Lensing Non-Gaussian Statistics* ♦ **Jia Liu**, Columbia University

November 3

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Nu Physics in the CMB* ♦ **Daniel Green**, Canadian Institute for Theoretical Astrophysics

November 5

Astrophysics Informal Seminar ♦ *Mapping the Circumgalactic Medium: The Origin and Structure of the Hidden Reservoir of Gas Around Galaxies* ♦ **Rongmon Bordoloi**, Massachusetts Institute of Technology

November 10

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Climate Dynamics of Condensible-Rich Exoplanet Atmospheres* ♦ **Ray Pierrehumbert**, University of Oxford

November 12

Astrophysics Informal Seminar ♦ *Surprises in Relativistic Simulations of Compact Object Binaries Involving Neutron Stars* ♦ **Vasileios Paschalidis**, Princeton University

November 16

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *On Improving the Models of Cosmic Reionization* ♦ **Alexander Kaurov**, The University of Chicago

November 17

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *The Social Life of Spacecraft: How Socio-Technical Organization Matters in Scientific Work* ♦ **Janet Vertesi**, Princeton University

November 19

Astrophysics Informal Seminar ♦ *Why are Quasars Not Just Scaled-Up Black Hole X-Ray Binaries?* ♦ **Shane Davis**, University of Virginia

November 24

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Stellar Forensics with Explosions: Supernovae, Gamma-Ray Bursts, and Their Environments* ♦ **Maryam Modjaz**, New York University

November 30

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *A Direct Measurement of Tomographic Lensing Power Spectra from CFHTLenS* ♦ **Fabian Köhlinger**, Universiteit Leiden

December 1

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Forming Massive Galaxies* ♦ **Pieter van Dokkum**, Yale University

December 3

Astrophysics Informal Seminar ♦ *The Unhealthy Lives of Companions to Millisecond Pulsars* ♦ **E. Sterl Phinney**, California Institute of Technology

December 8

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Cosmological Calorimetry: The Nature of the Intergalactic Medium and the Photon Underproduction Crisis* ♦ **Juna Kollmeier**, Carnegie Observatories, Carnegie Institution of Science; Junior Visiting Professor, School of Natural Sciences

December 10

Astrophysics Informal Seminar ♦ *Interaction of Exoplanet Upper Atmospheres with Stellar Radiation and Winds* ♦ **Phil Arras**, University of Virginia

December 14

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *The Sunyaev-Zel'dovich Effect Associated with Quasar Feedback* ♦ **Devin Crichton**, Johns Hopkins University ♦ *Hemispherical Asymmetry and its Cosmological Implications* ♦ **Suvodip Mukherjee**, Inter-University Centre for Astronomy and Astrophysics

December 15

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Crash, Boom, Bang: Giant Impacts and the Formation of Planets at Home and Abroad* ♦ **Hilke Schlichting**, Massachusetts Institute of Technology

January 14

Astrophysics Informal Seminar ♦ *Sweating the Small Stuff: Simulating Dwarf Galaxies, Ultra-Faint Dwarf Galaxies, and Their Own Tiny Satellites* ♦ **Coral Wheeler**, University of California, Irvine

January 19

Astrophysics Informal Seminar ♦ *The Long-Term Evolution of Hierarchical Systems* ♦ **Adrian Hamers**, Universiteit Leiden

January 25

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *CHIME: The Canadian Hydrogen Intensity Mapping Experiment* ♦ **Kendrick Smith**, Perimeter Institute for Theoretical Physics

February 4

Astrophysics Informal Seminar ♦ *Observational Tests of SN Ia Explosion Models in a Paradigm Shift* ♦ **Subo Dong**, Kavli Institute for Astronomy and Astrophysics at Peking University

February 8

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Evidence for the kSZ Effect with ACTPol and BOSS: Probing Baryon Physics in Galaxy Groups and Clusters* ♦ **Emmanuel Schaen**, Princeton University

February 11

Astrophysics Informal Seminar ♦ *Dark Hydrogen with Hyperfine Interactions* ♦ **Kimberly Boddy**, University of Hawai'i at Mānoa

February 18

Astrophysics Informal Seminar ♦ *Stellar Dynamics around a Massive Black Hole* ♦ **Ben Bar-Or**, Institute for Advanced Study; Member, School of Natural Sciences

February 25

Astrophysics Informal Seminar ♦ *Circumgalactic Cosmology* ♦ **Masataka Fukugita**, The University of Tokyo

February 29

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Large-Scale Structure Constraints with Controlled Theoretical Uncertainties* ♦ **Marko Simonović**, Institute for Advanced Study; Member, School of Natural Sciences

March 3

Astrophysics Informal Seminar ♦ *Fire and Ice: The Role of Energetic Processes in the Cold Chemistry of Protoplanetary Disks* ♦ **Ilse Cleeves**, Harvard-Smithsonian Center for Astrophysics

March 14

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *CMB-S4 Discussion* ♦ **Erminia Calabrese** and **Nicholas Battaglia**, Princeton University, and **Vera Gluscevic**, Institute for Advanced Study; Member, School of Natural Sciences

March 17

Astrophysics Informal Seminar ♦ *Warm Circumstellar Debris Disks: Diagnosing the Unseen Perturber* ♦ **Erika Nesvold**, Carnegie Institution for Science

March 24

Astrophysics Informal Seminar ♦ *Probing the Inner Accretion Flow of Supermassive Black Holes with X-Ray Reverberation Mapping* ♦ **Erin Kara**, University of Maryland

March 28

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Mapping Merging Clusters with Weak Lensing* ♦ **Elinor Medezinski**, Princeton University

March 31

Astrophysics Informal Seminar ♦ *Evidence for Excess Dark Matter at the Galactic Plane* ♦ **Nir Shaviv**, The Hebrew University of Jerusalem

April 11

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Peaks, Exclusion, and the BAO Scale* ♦ **Tobias Baldauf**, Institute for Advanced Study; Member, School of Natural Sciences

April 14

Astrophysics Informal Seminar ♦ *CMB Spectral Distortions within Λ CDM* ♦ **Jens Chluba**, The University of Manchester

April 21

Astrophysics Informal Seminar ♦ *Transiting Circumplanetary Disks* ♦ **Eric Mamajek**, University of Rochester

April 25

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *BH Binaries From Early Universe and LIGO* ♦ **Takamitsu Tanaka**, Stony Brook University, The State University of New York

May 12

Astrophysics Informal Seminar ♦ *Quasinormal Modes Beyond Kerr Black Holes* ♦ **Aaron Zimmerman**, Canadian Institute for Theoretical Astrophysics

May 19

Astrophysics Informal Seminar ♦ *Gravitational Lensing of Transient Events* ♦ **Liang Dai**, Institute for Advanced Study; Member, School of Natural Sciences

May 9

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Cosmological Constraints from a Joint Analysis of CMB Lensing and Galaxy Density* ♦ **Cyrille Doux**, Laboratoire AstroParticule et Cosmologie, Université Paris Diderot

June 2

Astrophysics Informal Seminar ♦ *The Lyman-Alpha Forest and DLAs: Probes to Large-Scale Structure and Galaxy Formation* ♦ **Jordi Miralda-Escude**, Universitat de Barcelona

June 16

Astrophysics Special Talk ♦ *Paul Dirac: The Theorist's Theorist* ♦ **Graham Farmelo**, University of Cambridge

June 27

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Dark Energy from 21cm Intensity Mapping: the BINGO Telescope* ♦ **Elisa Ferreira**, McGill University

HIGH ENERGY THEORY ACTIVITIES

September 11

High Energy Theory Seminar ♦ *6d (2,0) Theories from the Ground Up* ♦ **Clay Cordova**, Institute for Advanced Study; Long-term Member, School of Natural Sciences

September 16

Physics Group Meeting ♦ *Euclidean Wormholes* ♦ Discussion group led by **Juan Maldacena**, Carl P. Feinberg Professor, School of Natural Sciences

September 21

High Energy Theory Seminar ♦ *A Simple Model of Quantum Holography* ♦ **Alexei Y. Kitaev**, California Institute of Technology

September 23

Physics Group Meeting ♦ *Kitaev's Model and AdS_2* ♦ Discussion group led by **Douglas Stanford**, Institute for Advanced Study; Long-term Member, School of Natural Sciences

September 25

High Energy Theory Seminar ♦ *Topologically Twisted Index and Casson-Walker Invariant* ♦ **Pavel Putrov**, Institute for Advanced Study; Member, School of Natural Sciences

September 30

Physics Group Meeting ♦ *Fluid Dynamics as an Effective Field Theory—Recent Progress and Open Problems* ♦ Discussion group led by **Loganayagam Ramalingam**, Institute for Advanced Study; Member, School of Natural Sciences

October 5

High Energy Theory Seminar ♦ *Soft Dilaton Theorems* ♦ **Rutger Boels**, Deutsches Elektronen-Synchrotron (DESY), Universität Hamburg

October 7

Physics Group Meeting ♦ *The Cosmological Constant and the String Landscape* ♦ General Discussion

October 9

High Energy Theory Seminar ♦ *Fermion Path Integrals and Topological Phases* ♦ **Edward Witten**, Charles Simonyi Professor, School of Natural Sciences

October 14

Physics Group Meeting ♦ *Mysteries in the Conformal Bootstrap* ♦ Discussion group led by **David Poland**, Junior Visiting Professor, School of Natural Sciences

October 19

High Energy Theory Seminar ♦ *A Cosmological Solution to the Hierarchy Problem* ♦ **David Kaplan**, Johns Hopkins University

October 21

Physics Group Meeting ♦ *The BMS Group* ♦ Discussion group led by **Aron Wall**, Institute for Advanced Study; Member, School of Natural Sciences

October 23

High Energy Theory Seminar ♦ *A Perfect Bounce* ♦ **Neil Turok**, Perimeter Institute for Theoretical Physics

October 28

Physics Group Meeting ♦ *The Second Run of the LHC* ♦ Discussion group led by **Raffaele Tito D'Agnolo**, Member, School of Natural Sciences

November 2

High Energy Theory Seminar ♦ *Gravity Dual of Relative Entropy* ♦ **Nima Lashkari**, Massachusetts Institute of Technology

November 4

Physics Group Meeting ♦ *Anomalies, Conformal Manifolds, and Spheres* ♦ Discussion group led by **Nathan Seiberg**, Professor, School of Natural Sciences

November 11

Physics Group Meeting ♦ *Aspects of BPS Particles* ♦ Discussion group led by **Clay Cordova**, Institute for Advanced Study; Long-term Member, School of Natural Sciences,

November 12

Phenomenology Seminar ♦ *Discovering or Falsifying sub-GeV Thermal Dark Matter* ♦ **Gordan Krnjaic**, Fermilab

November 16

High Energy Theory Seminar ♦ *New Area Law in General Relativity (and Beyond)* ♦ **Netta Engelhardt**, University of California, Santa Barbara

November 18

Physics Group Meeting ♦ *Supersymmetric Operator Algebras* ♦ Discussion group led by **Christopher John Beem**, Institute for Advanced Study; Member, School of Natural Sciences

November 20

High Energy Theory Seminar ♦ *Entanglement, Spacetime, and Quantum Error Correction* ♦ **Xi Dong**, Institute for Advanced Study; Member, School of Natural Sciences

November 25

Physics Group Meeting ♦ *On the Uniqueness of String Theory* ♦ Discussion group led by **Nima Arkani-Hamed**, Professor, School of Natural Sciences

November 30

High Energy Theory Seminar ♦ *Signs of Hope: A Few LHC Run I Results to Watch for Run II* ♦ **Maurizio Pierini**, CERN

December 4

High Energy Theory Seminar ♦ *Bulk Energy Conditions from Relative Entropy and Comments on Bulk Reconstruction* ♦ **Jennifer Lin**, Institute for Advanced Study; Member, School of Natural Sciences

December 9

Physics Group Meeting ♦ *Characterizing CFT's with Gravitational Description* ♦ Discussion group led by **Hiroshi Ooguri**, California Institute of Technology; Visiting Professor, School of Natural Sciences

December 14

High Energy Theory Seminar ♦ *Chaos in Quantum Channels* ♦ **Daniel Roberts**, Massachusetts Institute of Technology

December 15

Pheno & Vino Seminar ♦ *New Directions in Searching for the Dark Universe* ♦ **Surjeet Rajendran**, University of California, Berkeley

December 16

Physics Group Meeting ♦ *Color-Kinematics in Scattering Amplitudes* ♦ Discussion group led by **John J. Carrasco**, Stanford University; Member, School of Natural Sciences

January 13

Physics Group Meeting ♦ *Perturbative String Scattering Amplitudes with the Pure Spinor Formalism* ♦ Discussion group led by **Carlos Mafra**, Institute for Advanced Study; Member, School of Natural Sciences

January 20

Physics Group Meeting ♦ *Soft Gravitons* ♦ Discussion group led by **Ellis Ye Yuan**, Institute for Advanced Study; Member, School of Natural Sciences

January 22

High Energy Theory Seminar ♦ *Possibilities for the 750 GeV Excess* ♦ **Matthew Low**, Institute for Advanced Study; Member, School of Natural Sciences

January 27

Physics Group Meeting ♦ *The Diphoton Excess and Physics Beyond the Standard Model* ♦ Discussion group led by **Nima Arkani-Hamed**, Professor, School of Natural Sciences

February 1

High Energy Theory Seminar ♦ *Landau Singularities and Symbolic* ♦ **Marcus Spradlin**, Brown University

February 3

Physics Group Meeting ♦ *The Diphoton Excess and Physics Beyond the Standard Model (continued)* ♦ Discussion group led by **Nima Arkani-Hamed**, Professor, School of Natural Sciences

February 5

High Energy Theory Seminar ♦ *Tree and One-Loop Amplitudes from Scattering Equations* ♦ **Ellis Ye Yuan**, Institute for Advanced Study; Member, School of Natural Sciences

February 10

Physics Group Meeting ♦ *Entropy Bounds* ♦ Discussion group led by **Aron Wall**, Institute for Advanced Study; Member, School of Natural Sciences

February 11

Informal Phenomenology Seminar ♦ *Colliding into the Galaxy* ♦ **Philip Harris**, CERN

February 17

Physics Group Meeting ♦ *Entanglement and Gravity* ♦ Discussion group led by **Jennifer Lin**, Institute for Advanced Study; Member, School of Natural Sciences

February 19

High Energy Theory Seminar ♦ *Multiloop Scattering Amplitudes in String and Field Theory* ♦ **Carlos Mafra**, Institute for Advanced Study; Member, School of Natural Sciences

February 24

Physics Group Meeting ♦ *Gauged Linear Sigma Models, B-branes, and Hemispheres* ♦ Discussion group led by **Mauricio Romo**, Institute for Advanced Study; Member, School of Natural Sciences

February 29

High Energy Theory Seminar ♦ *On Information Loss in AdS3/CFT2* ♦ **Jared Kaplan**, Johns Hopkins University

March 2

Physics Group Meeting ♦ *Looking for a Bulk Point* ♦ Discussion group led by **David Simmons-Duffin**, Institute for Advanced Study; Long-term Member, School of Natural Sciences

March 4

High Energy Theory Seminar ♦ *B-brane Transport on (Non-)abelian Gauged Linear sigma Models* ♦ **Mauricio Romo**, Institute for Advanced Study; Member, School of Natural Sciences

March 9

Physics Group Meeting ♦ *Integration by Parts for Feynman Integrals* ♦ Discussion group led by **David Kosower**, CEA/Saclay; Member, School of Natural Sciences

March 14

High Energy Theory Seminar ♦ *Complexity Behind the Horizon* ♦ **Leonard Susskind**, Stanford University

March 16

Physics Group Meeting ♦ *ER=EPR and Copenhagen-Everett Duality* ♦ Discussion group led by **Leonard Susskind**, Stanford University

March 18

High Energy Theory Seminar ♦ *2d (0,2) Gauge Theories and Calabi-Yau 4-Fold Singularities* ♦ **Sangmin Lee**, Seoul National University; Member, School of Natural Sciences

March 17

Physics Group Meeting ♦ *Latest Announcements from CMS* ♦ General Discussion

March 23

Physics Group Meeting ♦ *Categorification of Chern-Simons Partition Function* ♦ Discussion group led by **Pavel Putrov**, Institute for Advanced Study; Member, School of Natural Sciences

March 28

High Energy Theory Seminar ♦ *Linearity of Holographic Entanglement Entropy* ♦ **Ahmed Almheiri**, Stanford University

March 30

Physics Group Meeting ♦ *Tensor Networks and Spacetime Geometry* ♦ General Discussion

April 1

High Energy Theory Seminar ♦ *Cross-Order Relations from Maximal Unitarity* ♦ **David Kosower**, CEA/Saclay; Member, School of Natural Sciences

April 6

Physics Group Meeting ♦ *Quantum Statistics and Spacetime Topology* ♦ Discussion group led by **Juven Chun-Fan Wang**, Institute for Advanced Study; Member, School of Natural Sciences

April 11

High Energy Theory Seminar ♦ *Charge-Vortex Duality and Dirac Fermions in (2+1)d* ♦ **Chong Wang**, Harvard University

April 13

Physics Group Meeting ♦ *Replica Symmetry Breaking* ♦ Discussion group led by **Dionysios Anninos**, Institute for Advanced Study; Member, School of Natural Sciences

April 20

Physics Group Meeting ♦ *Conformal Constraints on Defects* ♦ Discussion group led by **Abhijit Gadde**, Institute for Advanced Study; Member, School of Natural Sciences

April 25

High Energy Theory Seminar ♦ *Elliptic Calabi-Yau Manifolds and the F-Theory Landscape* ♦ **Washington Taylor**, Massachusetts Institute of Technology

April 27

Physics Group Meeting + *Framed BPS States and Quantum Holonomies* + Discussion group led by **Maxime Gabella**, Institute for Advanced Study; Member, School of Natural Sciences

April 29

Informal HET Seminar + *High-Temperature Asymptotics of the 4d Superconformal Index* + **Arash Arabi Ardehali**, University of Michigan

April 29

High Energy Theory Seminar + *Efficiency=Geometry? Decoding the DNA of Prediction in Gauge, Gravity, and Effective Field Theories* + **John J. Carrasco**, Stanford University; Member, School of Natural Sciences

May 4

Physics Group Meeting + *On Kevin Costello's Approach to Integrable Spin Systems* + Discussion group led by **Edward Witten**, Charles Simonyi Professor, School of Natural Sciences

May 11

Physics Group Meeting + *Constraints on Electromagnetism from Quantum Gravity* + Discussion group led by **Daniel Harlow**, Harvard University

May 13

High Energy Theory Seminar + *Weinberg Soft Theorems from Weinberg Adiabatic Modes* + **Marko Simonović**, Institute for Advanced Study; Member, School of Natural Sciences

May 16

High Energy Theory Seminar + *Effective Field Theory of Dissipative Fluids* + **Hong Liu**, Massachusetts Institute of Technology

May 18

Physics Group Meeting + *4d, N=3 Superconformal Theories* + Discussion group led by **Sangmin Lee**, Seoul National University; Member, School of Natural Sciences

May 20

High Energy Theory Seminar + *Scattering Amplitudes in Binary* + **Nima Arkani-Hamed**, Professor, School of Natural Sciences

May 25

Physics Group Meeting + *Discrete Liouville* + Discussion group led by **Masahito Yamazaki**, Institute for Advanced Study; Member, School of Natural Sciences

June 1

Physics Group Meeting + *String Theory Low Energy Expansion and M Theory Amplitudes* + Discussion group led by **Arbab Rudra**, University of California, Davis

July 18–29

Prospects in Theoretical Physics: Computational Plasma Astrophysics

Organizers and Lecturers: **Michael Barnes**, University of Oxford; **Matthew Ericson**, *The New York Times*; **Charles Gammie**, University of Illinois at Urbana–Champaign; **Matthew Kunz**, Princeton University; **Luis Lehner**, Perimeter Institute for Theoretical Physics; **Robert Lupton**, Princeton University; **Tamara Munzner**, The University of British Columbia; **Eve Ostriker**, Princeton University; **Eliot Quataert**, University of California, Berkeley; **Anatoly Spitkovsky**, Princeton University; **Jim Stone**, Princeton University; **Alexander Tchekhovskoy**, University of California, Berkeley; **Peter Teuben**, University of Maryland; **Scott Tremaine**, Richard Black Professor, School of Natural Sciences; **Olindo Zanutti**, Università degli Studi di Trento; **John ZuHone**, Smithsonian Astrophysical Observatory; **Ellen Zweibel**, University of Wisconsin–Madison

THE SIMONS CENTER FOR SYSTEMS BIOLOGY ACTIVITIES

July 15

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology + *Stochastic Thermodynamics of Interacting Motors* + **Alberto Imparato**, Aarhus University

August 5

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology + *Thermodynamics of Information Processing in Biology* + **Pablo Sartori**, Max-Planck-Institut für Physik Komplexer Systeme

October 6

The Simons Center for Systems Biology Seminar + *Survival of the Simplest or the Fastest* + **Michael Lässig**, Universität zu Köln

October 7

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology + *Aging in C. elegans: The Temporal Scaling of Lifespan Distributions* + *Executable Knowledge* + **Walter Fontana**, Harvard Medical School

October 9

Meeting with C. Denise Caldwell and Bradley Keister of NSF + *Neural Interactions That Support Grid Cells* + **Yasser Roudi**, Norwegian University of Science and Technology; Member, School of Natural Sciences + *Predicting Influenza Evolution with Fitness Models* + **Marta Luksza**, Columbia University; Research Associate, School of Natural Sciences + *Applied Topology Informs Cellular Fate at a Single-Cell Level* + **Pablo G. Camara**, Columbia University

October 14

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology + *Population Dynamics of Reproducing Complex Systems* + **Guy Bunin**, Massachusetts Institute of Technology

November 16

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology + *Model of Immune Strategies* + **Olivier Rivoire**, CNRS and Université Joseph Fourier (Grenoble 1)

December 2

Joshua Lederberg–John von Neumann Symposium + *Multiple Timescales of Neuronal Computation* + **Adrienne Fairhall**, University of Washington + *Evolutionary Tradeoffs and the Geometry of Phenotype Space* + **Uri Alon**, Weizmann Institute of Science + *Navigating the Manifolds of the Brain* + **Yasser Roudi**, Norwegian University of Science and Technology; Member, School of Natural Sciences + *Tired with Phase Transitions* + **Alessandro Treves**, Scuola Internazionale Superiore di Studi Avanzati, Trieste + *Symmetry and Adaptation in C. elegans's Response to Touch* + **Massimo Vergassola**, University of California, San Diego

December 3

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology + **Mikhael Gromov**, New York University

December 9

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology + *Evolution of Genomic Binding Landscapes by Global Selection* + **Edo Kussell**, New York University

December 16

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology + *Circuit Mechanisms for Flexible Sensory Processing in Drosophila* + **Vanessa Ruta**, The Rockefeller University

January 6

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology + **Sanjay Jain**, University of Delhi; Member, School of Natural Sciences

January 13

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology + **Simone Pigolotti**, Universitat Politècnica de Catalunya

January 21

The Simons Center for Systems Biology
Seminar ♦ *Applied Topology Reveals Developmental Progression at a Single-Cell Level* ♦ **Pablo G. Camara**, Columbia University

January 21

The Simons Center for Systems Biology
Seminar ♦ *Interactive Visualization of 2-D Persistent Homology* ♦ **Michael Lesnick**, Princeton Neuroscience Institute, Princeton University

February 17

The Simons Center for Systems Biology
Informal Talks on Abstract/Conceptual/
Quantitative Aspects of Biology ♦ **Gaby Maimon**, The Rockefeller University

February 22

The Simons Center for Systems Biology
Informal Talks on Abstract/Conceptual/
Quantitative Aspects of Biology ♦ *Stochastic Gene Switches* ♦ **John Hertz**, Nordita, Stockholm

February 24

The Simons Center for Systems Biology
Informal Talks on Abstract/Conceptual/
Quantitative Aspects of Biology ♦ *Life's Engines: How Microbes Made Earth Habitable* ♦ **Paul G. Falkowski**, Rutgers, The State University of New Jersey; Visitor, School of Natural Sciences

February 24

The Simons Center for Systems Biology
Informal Talks on Abstract/Conceptual/
Quantitative Aspects of Biology ♦ *Hydrodynamics and Collective Behavior of Tethered Microbes* ♦ **Alex Petroff**, The Rockefeller University

March 2

The Simons Center for Systems Biology
Informal Talks on Abstract/Conceptual/
Quantitative Aspects of Biology ♦ *Belief Propagation and Dynamical Cavity Method for Kinetic Models* ♦ **Gino Del Ferraro**, KTH Royal Institute of Technology, Stockholm

March 11

The Simons Center for Systems Biology
Informal Talks on Abstract/Conceptual/
Quantitative Aspects of Biology ♦ **Harmit S. Malik**, Fred Hutchinson Cancer Research Center

New York Metropolitan Area Discussion Group
in Mathematics and Oncology ♦ *The Evolution of Tumor Formation in Mice and Humans with Germline p53 Mutations* ♦ **Arnold Levine**, Professor Emeritus, School of Natural Sciences ♦ *Topological Methods for Complex Data* ♦ **Gunnar Carlsson**, Stanford University ♦ *Dimensionality Reduction in Spaces of Phylogenetic Trees* ♦ **Andrew Blumberg**, The University of Texas at Austin

March 23

The Simons Center for Systems Biology
Informal Talks on Abstract/Conceptual/
Quantitative Aspects of Biology ♦ **Gabriele Micali**, Imperial College London

April 6

The Simons Center for Systems Biology
Informal Talks on Abstract/Conceptual/
Quantitative Aspects of Biology ♦ *Construction Grammar* ♦ **Adele Goldberg**, Princeton University

April 8

Governor's Conference on Effective Partnering
in Cancer Research ♦ *The Genetic Basis for Cancer Therapeutics* ♦ **William Sellers**, Novartis Institutes for Biomedical Research ♦ *Tackling the Off-Target Problem in Cancer Pharmacology* ♦ **William G. Kaelin, Jr.**, Dana-Farber Cancer Institute ♦ *Evolution of Resistance to Targeted Therapies* ♦ **Jeffrey Engelman**, Massachusetts General Hospital Cancer Center ♦ *Role of Mutations in Epigenetic Regulators in Pathogenesis of Myeloid Malignancies* ♦ **Ross L. Levine**, Memorial Sloan Kettering Cancer Center ♦ *Organoid Models of Pancreatic Cancer* ♦ **David A. Tuveson**, Cold Spring Harbor Laboratory ♦ *Circulating Tumor Cells: The "Liquid Biopsy"* ♦ **David T. Ting**, Massachusetts General Hospital Cancer Center

April 9–10

Convergence Teams Meeting ♦ *Liberating the Immunologic Response to Pancreatic Cancer* ♦ **Jeffrey Drebin**, Penn Medicine ♦ *The Genetic, Epigenetic, and Immunological Underpinnings of Cancer Evolution through Treatment* ♦ **Ross Levine**, Memorial Sloan Kettering Cancer Center ♦ *Rational Design of Anticancer Drug Combinations with Dynamic Multidimensional Input* ♦ **Levi Garraway**, Dana-Farber Cancer Institute ♦ *Ecology of the Tumor Microenvironment* ♦ **Gurinder S. Atwal**, Cold Spring Harbor Laboratory

April 13

The Simons Center for Systems Biology
Informal Talks on Abstract/Conceptual/
Quantitative Aspects of Biology ♦ *Recognizing Innovations within an Evolving Complex System: Insights from a Stochastic Model of Autocatalytic Network Evolution* ♦ **Sanjay Jain**, University of Delhi; Member, School of Natural Sciences

April 22

The Simons Center for Systems Biology
Informal Talks on Abstract/Conceptual/
Quantitative Aspects of Biology ♦ **Oliver Rando**, University of Massachusetts Medical School

April 25

The Simons Center for Systems Biology
Informal Talks on Abstract/Conceptual/
Quantitative Aspects of Biology ♦ **Walter Fontana**, Harvard Medical School

April 26

The Simons Center for Systems Biology
Informal Talks on Abstract/Conceptual/
Quantitative Aspects of Biology ♦ *A Physical Model for Transcription Factories* ♦ **Guillaume Le Treut**, Institut de Physique Théorique, Saclay

April 27

The Simons Center for Systems Biology
Informal Talks on Abstract/Conceptual/
Quantitative Aspects of Biology ♦ *Bacterial Colonies on Chitin Particles* ♦ **Otto Cordero**, Massachusetts Institute of Technology

May 11

The Simons Center for Systems Biology
Informal Talks on Abstract/Conceptual/
Quantitative Aspects of Biology ♦ *Ecology without Species* ♦ **Mikhail Tikhonov**, Harvard University

May 26

The Simons Center for Systems Biology
Informal Talks on Abstract/Conceptual/
Quantitative Aspects of Biology ♦ *Neural Networks of Unusual Mathematical Structure* ♦ **John Hopfield**, Princeton University, and **Dmitry Krotov**, Institute for Advanced Study; Member, School of Natural Sciences

June 27–29

Convergence Scholars Meeting ♦ *Rationale Design of Anticancer Combinations in Breast Cancer* ♦ **José Baselga**, Memorial Sloan Kettering Cancer Center ♦ *Activating the Immune Response in Pancreatic Cancer* ♦ **Jeffrey Drebin**, Penn Medicine ♦ *Ecology of the Tumor Microenvironment in Breast Cancer* ♦ **Gurinder S. Atwal**, Cold Spring Harbor Laboratory ♦ *Genetics and Targeted Therapy of Myeloid Malignancies: A Physician Scientist's Perspective* ♦ **Ross Levine**, Memorial Sloan Kettering Cancer Center ♦ *The Microbiome: The Dark Side of Cancer Immunity* ♦ **Drew Pardoll**, Johns Hopkins School of Medicine ♦ *Mechanism-Based Biomarkers to Guide Anti-PD-1 Cancer Immunotherapy* ♦ **Suzanne Topalian**, Johns Hopkins School of Medicine ♦ *Glioblastoma Evolution and under Therapy* ♦ **Raul Rabadan**, Columbia University ♦ *Modeling Inherited Cancer Syndromes* ♦ **Chang Chan**, Rutgers Cancer Institute of New Jersey ♦ *New Technologies for Personalized Cancer Immunotherapies* ♦ **James Heath**, California Institute of Technology ♦ *Single-Cell 42-Plex Cytokine Profiling: Evaluating the Quality of T Cells in Immune Defense and the Craziness of these Cells If They Go Wild* ♦ **Rong Fan**, Yale University ♦ *Hitting HIV Where It Hurts* ♦ **Arup Chakraborty**, Massachusetts Institute of Technology ♦ *Tumor Suppressor and Tumor Maintenance Genes* ♦ **Scott Lowe**, Memorial Sloan Kettering Cancer Center ♦ *RNA Technologies to Understand Transcriptional Heterogeneity* ♦ **David T. Ting**, Massachusetts General Hospital Cancer Center, Harvard Medical School ♦ *Functional Genomics* ♦ **Robert Darnell**, The Rockefeller University ♦ *Autoimmunity and Cancer* ♦ **Melanie**

Kleinschek, Theravance Biopharma ♦
*Accelerating Biomarker and Therapeutic Discovery
 with Organoid Models of Pancreatic Cancer* ♦
Dannielle Engle and **Herve Tiriack**, Cold
 Spring Harbor Laboratory

School of Social Science

August 30–September 11
 Summer Program in Social Science

September 24
 School Welcome Party

September 28
 Social Science Lunch Seminar ♦ *Selective
 Migration and the Health of Black Immigrants in the
 United States* ♦ **Tod G. Hamilton**, Princeton
 University; Member, School of Social Science

September 30
 Borders and Boundaries Seminar ♦
 Organizational Meeting

October 5
 Social Science Lunch Seminar ♦ *Dynamics of
 Difference in Australia: First Contact to the Present* ♦
Francesca Merlan, The Australian National
 University; Member, School of Social Science

October 12
 Social Science Lunch Seminar ♦ *Creating a
 Globally Competitive Industry—Lessons from Meiji-
 Era Japanese Cotton Spinning Industry* ♦ **Serguey
 Braguinsky**, Carnegie Mellon University;
 Member, School of Social Science

October 14
 Borders and Boundaries Seminar ♦ *Ethnic
 Boundaries* ♦ **Andreas Wimmer**, Columbia
 University

October 19
 Social Science Lunch Seminar ♦ *Why Is
 Treason Coming Back into Fashion, and Not Just in
 Thailand?* ♦ **Duncan McCargo**, University of
 Leeds; Visitor, School of Social Science

October 26
 Social Science Lunch Seminar ♦ *Life Lived in
 Relief: Palestinian Refugees and the Humanitarian
 Experience* ♦ **Ilana Feldman**, The George
 Washington University; Member, School of
 Social Science

October 27
 Occasional Conversations ♦ *The Upcoming AAA
 Vote on BDS*

October 28
 Borders and Boundaries Seminar ♦ *The Making
 of Borders: Historical Perspectives*

Borders and Boundaries Film Series ♦ *Sentenced
 Home*, directed by Nicole Newnham and David
 Gabias ♦ Post-screening discussion led by **Linda
 Bosniak**, Rutgers, The State University of New
 Jersey; Member, School of Social Science

November 2
 Social Science Lunch Seminar ♦ *Motivating
 Solidarity with Distant Others: Empathic Politics,
 Responsibility, and the Problem of Global Justice* ♦
Carol C. Gould, The Graduate Center, The
 City University of New York; Member, School
 of Social Science

November 9
 Social Science Lunch Seminar ♦ *Rewriting
 the (African) State From the Margins: Can It Be
 Done?* ♦ **Paul Nugent**, The University of
 Edinburgh; Member, School of Social Science

November 11
 Borders and Boundaries Seminar ♦ *The
 Contestation of Borders: Ethical, Political, and
 Economic Perspectives*

Borders and Boundaries Film Series ♦ *Omar*,
 directed by Hany Abu-Hassad ♦ Post-screening
 discussion led by **Ilana Feldman**, The George
 Washington University; Member, School of
 Social Science

November 16
 Social Science Lunch Seminar ♦ *Sovereignty's
 Archive* ♦ **Brian Connolly**, University of South
 Florida; Member, School of Social Science

November 23
 Social Science Lunch Seminar ♦ *External
 Shocks* ♦ **Alice Goffman**, University of
 Wisconsin–Madison; Member, School of Social
 Science

November 24
 Borders and Boundaries Seminar ♦ *The
 Condition of the Refugee: Case-Studies from South
 Africa and Palestine*

November 30
 Social Science Lunch Seminar ♦ *Our Corporate
 Civilization and Its Neoliberal Crisis* ♦ **David
 Ciepley**, University of Denver; Member,
 School of Social Science

December 7
 Social Science Lunch Seminar ♦ *The Failure of
 the Liberal Core-Values as Justifications for Cultural
 Rights and Cosmopolitan Cultural Justice* ♦ **Chaim
 Gans**, Tel Aviv University; Member, School of
 Social Science

December 9
 Borders and Boundaries Seminar ♦ *Global
 Labor Markets and Work Migrations: Sociology and
 Economics*

Borders and Boundaries Film Series ♦ *Welcome*,
 directed by Philippe Lioret ♦ Post-screening
 discussion led by **Anne-Claire Defossez**,
 Institute for Advanced Study; Visitor, School of
 Social Science

December 14
 Social Science Lunch Seminar ♦ *Humanity
 Interrogated: Forging Liberal Warfare through the
 Interrogation Rooms of the Korean War* ♦ **Monica
 Kim**, New York University; Member, School of
 Social Science

January 25
 Social Science Lunch Seminar ♦ *Palestinian
 Refugees and the Space of Appearance: Notes on
 Kinship in the Camps of Tyre, Lebanon* ♦ **Sylvain
 Perdigon**, American University of Beirut;
 Member, School of Social Science

January 27
 Borders and Boundaries Seminar ♦ *The
 Signification of Boundaries: A Critical Approach*

Borders and Boundaries Film Series ♦ *The Class*,
 directed by Laurent Cantet ♦ Post-screening
 discussion led by **Abdoulaye Gueye**,
 University of Ottawa; Member, School of Social
 Science

February 1
 Social Science Lunch Seminar ♦ *Race No Longer
 Lives Next Door: Blackness and the Crisis of
 French Politics of Identity* ♦ **Abdoulaye Gueye**,
 University of Ottawa; Member, School of Social
 Science

February 8
 Social Science Lunch Seminar ♦ *Mobilizing
 Morality: Migrant Domestic Workers in Dubai* ♦
Rhacel Salazar Parreñas, University of
 Southern California; Member, School of Social
 Science

February 10
 Borders and Boundaries Seminar ♦ *Racial
 Boundaries: A Comparative View*

Borders and Boundaries Film Series ♦ *Disgrace*,
 directed by Steve Jacobs ♦ Post-screening
 discussion led by **Paul Nugent**, The University
 of Edinburgh; Member, School of Social Science

February 22
 Social Science Lunch Seminar ♦ *“Unapologetic”:
 Wrongs, Rights, and Irregular Immigrants* ♦ **Linda
 Bosniak**, Rutgers, The State University of New
 Jersey; Member, School of Social Science

February 24
 Borders and Boundaries Seminar ♦ *The Politics of
 Boundaries: 1. Citizenship*

February 29
 Social Science Lunch Seminar ♦ *Rooting Life
 at the Edge of the Desert: Migrant Experiences and
 Institution Interactions in Northern Chile* ♦ **Angel
 Aedo**, Pontificia Universidad Católica de Chile;
 Member, School of Social Science

Occasional Conversations ♦ *Islam and the West*

March 2

Social Science Lunch Seminar ♦ *Varieties of State Building in the Borderland Area between China and Mainland Southeast Asia* ♦ **Enze Han**, University of London; Member, School of Social Science

March 3

Borders and Boundaries Reading Group ♦ Discussion of texts submitted by **Abdoulaye Gueye**, University of Ottawa; Member, School of Social Science, and **Beth Lew-Williams**, Princeton University; Visitor, School of Social Science

March 9

Borders and Boundaries Seminar ♦ *The Politics of Boundaries: 2. Multiculturalism*

Borders and Boundaries Film Series ♦ *The Edge of Heaven*, directed by Fatih Akin ♦ Post-screening discussion led by **Kristin Surak**, University of London; Member, School of Social Science

March 14

Social Science Lunch Seminar ♦ *The Terror, 1793–1794: A Tragedy of Distrust* ♦ **Ari Adut**, The University of Texas at Austin; Member, School of Social Science

March 21

Social Science Lunch Seminar ♦ *The Problem with Innocence* ♦ **Miriam Ticktin**, The New School for Social Research; Member, School of Social Science

March 23

Borders and Boundaries Seminar ♦ Discussion of several texts focusing on religious boundaries

April 4

Social Science Lunch Seminar ♦ *Passages through the Persian Gulf: Ethnicity, Identity, and Imperial Politics* ♦ **Firoozeh Kashani-Sabet**, University of Pennsylvania; Member, School of Social Science

April 6

Borders and Boundaries Reading Group ♦ Discussion of texts submitted by **Ilana Feldman**, The George Washington University, and **Chaim Gans**, Tel Aviv University; Members, School of Social Science

April 11

Social Science Lunch Seminar ♦ *Beyond Blood and Soil: Jus Pecuniae and the Rise of Economic Citizenship* ♦ **Kristin Surak**, University of London; Member, School of Social Science

April 18

Social Science Lunch Seminar ♦ *Nation and its Undesirable Subjects: Homosexuality, Citizenship, and the Gay-“Other” in Cameroon* ♦ **Basile Ndjio**, University of Douala; Member, School of Social Science

April 25

Social Science Lunch Seminar ♦ *Chinese Exclusion, Racial Violence, and the Problem of Scale* ♦ **Beth Lew-Williams**, Princeton University; Visitor, School of Social Science

April 27

Borders and Boundaries Reading Group ♦ Discussion of texts submitted by **Enze Han**, University of London, and **Rhacel Salazar Parreñas**, University of Southern California; Members, School of Social Science

May 25

Borders and Boundaries Seminar ♦ Conclusions and reflections

June 2–4

Non-State War Economy Seminar ♦ Organized jointly by **Didier Fassin**, James D. Wolfensohn Professor, School of Social Science, and **Nicola Di Cosmo**, Luce Foundation Professor in East Asian Studies, School of Historical Studies

Director’s Office Events

September 18

Friends Fall Reception

September 21

Institute Welcome Reception

September 25

Friends Lunch with a Member ♦ *Marriage and Sovereignty in the Nineteenth-Century United States* ♦ **Brian Connolly**, University of South Florida; Member, School of Social Science

October 2

Artists Present ♦ *A Conversation with Signum Quartet* ♦ **Signum Quartet**; **Marc Uys**, Executive Director, Princeton Symphony Orchestra; and **Sebastian Currier**, Artist-in-Residence

October 4

Princeton Symphony Orchestra Concert ♦ **Signum Quartet**

October 9

AMIAS Family Barbecue

October 10

Science Talk for Families ♦ *Really Big Numbers and Infinity* ♦ **Richard Schwartz**, Chancellor’s Professor of Mathematics, Brown University

October 14

Friends Talk ♦ *100 Years of General Relativity* ♦ **Robbert Dijkgraaf**, Director and Leon Levy Professor

October 16–17

Edward T. Cone Concert Series and Talk ♦ *Cadence, Fugue, Fade* ♦ **American Brass Quintet**

October 21

Exhibit and Special Event ♦ *Concinnitas* ♦ **Enrico Bombieri**, Professor Emeritus in the School of Mathematics; **Robbert Dijkgraaf**, Director and Leon Levy Professor; **Freeman Dyson**, Professor Emeritus in the School of Natural Sciences; and **Dan Rockmore**, William H. Neukom 1964 Professor of Computational Science, Director of the Neukom Institute for Computational Science, and Professor of Mathematics at Dartmouth College

October 23

Friends Lunch with a Member ♦ *The Man and His Image: Art & Propaganda at the Court of the Qianlong Emperor of China* ♦ **Eugenio Menegon**, Agnes Gund and Daniel Shapiro Member, School of Historical Studies

October 24

Memorial for Patricia Crone, Professor Emerita in the School of Historical Studies

October 30

Public Lecture ♦ *Do We Understand Putin’s Russia?* ♦ **Jonathan Haslam**, George F. Kennan Professor, School of Historical Studies

November 4

Special Event and Performance ♦ *Light Falls: Space, Time, and an Obsession of Einstein* ♦ **Brian Greene**, Professor of Theoretical Physics, Columbia University; **Carl Howell**, Actor and Musician; **Angela Janas**, Actor; and **Michael Winther**, Actor

November 5–6

General Relativity at 100 Conference

November 6

Special Event and Screening ♦ *Einstein’s Light* ♦ **Nickolas Barris**, Founder of Imaginary Films, and **Joshua Bell**, violin

November 13

Friends Talk ♦ *The Art of Dining: Downton Abbey* ♦ **Francine Segan**, Food Historian

November 20–21

Edward T. Cone Concert Series and Talk ♦ *Kafka Fragments* ♦ **Rolf Schulte**, violin; **Lucy Shelton**, soprano; and **James Winn**, piano

November 21

Friends Lunch with a Member ♦ *Eighteenth-Century Readings of Paradise Lost and the Evolution of the “Satanic Sublime”* ♦ **Noël Sugimura**, Member, School of Historical Studies

December 4

Friends Lunch with a Member ♦ *Exploring Three Dimensions* ♦ **Abigail Thompson**, Neil Chriss and Natasha Herron Chriss Founders’ Circle Member, School of Mathematics

Friends Talk ♦ *The Aspirational Investor* ♦ **Ashvin Chhabra**, President, Euclidean Capital

December 6

Princeton Symphony Orchestra Concert ♦ **Momenta Quartet**

January 20

Artists Present ♦ **Catherine Chung**, Adelphi University; Visitor, Program in Interdisciplinary Studies

January 22

Friends Talk ♦ *Twilight of the Aristocracy 1918 to 1940* ♦ **Karina Urbach**, Visitor, School of Historical Studies

January 24

Princeton Symphony Orchestra Concert ♦ **Alexander Chaleff**, violin, and **Alexandra Zelman-Doring**, poet

January 27

S.T. Lee Public Lecture ♦ *The Transmission of Knowledge in Abbasid Iraq: Problems in the Interpretation of the Catalogue of Ibn al-Nadim* ♦ **Devin J. Stewart**, Associate Professor of Arabic and Islamic Studies, Emory College of Arts and Sciences

January 29

Friends Lunch with a Member ♦ *Antiquity's Angry Editor* ♦ **Michael Kulikowski**, Member, School of Historical Studies

February 2

World Disorder Lecture Series ♦ *And Now for the Hard Part: China's Economic Adjustment After Three Miracle Decades* ♦ **Michael Pettis**, Professor, Guanghua School of Management, Peking University

February 5–6

Edward T. Cone Concert Series and Talk ♦ *High Wire Act* ♦ **New Millennium Ensemble**

February 9

World Disorder Lecture Series ♦ *The Coming Crisis Between Germany and the United States: The Cultural Divergence of Advanced Nations* ♦ **Emmanuel Todd**, Institut National d'Etudes Démographiques

February 17

Friends Dessert with a Member ♦ *Archaeology and the Twilight of Utopia: The Prehistoric Front of the Cold War* ♦ **Michael Kunichika**, Willis F. Doney Member, School of Historical Studies

February 19

Public Lecture ♦ *The New Era of Gravitational-Wave Astronomy* ♦ **Robbert Dijkgraaf**, Director and Leon Levy Professor; **Doron Kushnir**, John N. Bahcall Fellow, School of Natural Sciences; **Scott Tremaine**, Richard Black Professor in the School of Natural Sciences; **Nadia Zakamska**, Johns Hopkins University;

Junior Visiting Professor, School of Natural Sciences; **Matias Zaldarriaga**, Professor, School of Natural Sciences

February 26

Friends Lunch with a Member ♦ *How to Study Ancient Prophecy?* ♦ **Martti Nissinen**, University of Helsinki; Member, School of Historical Studies

February 28

Princeton Symphony Orchestra Concert ♦ **Alexander Chaleff**, violin, and **Alexandra Zelman-Doring**, poet

March 4–5

Edward T. Cone Concert Series and Talk ♦ *Remembrance of Things Past* ♦ **Music from Copland House**

March 11

Friends Lunch with a Member ♦ *Geometry and the Shape of Space* ♦ **David Futer**, Elinor Lunder Founders' Circle Member, School of Mathematics

March 12

Science Talk for Families ♦ *Hidden World: The Deep Sea* ♦ **Donato Giovannelli**, Rutgers, The State University of New Jersey; Visitor, Program in Interdisciplinary Studies

March 16

Artists Present ♦ **Tracy K. Smith**, Writer

March 18

Friends Talk ♦ *Extraordinary Changes in Attitudes Toward Wine and Food* ♦ **Gary Fine**, Member, School of Social Science, and **Kevin Zraly**, Wine Expert

March 20

Princeton Symphony Orchestra Concert ♦ **Marc Uys**, violin; **Bridget Kibbey**, harp; and **Mary Mackenzie**, soprano

April 13

Artists Present ♦ **Zia Haider Rahman**, Writer

April 14

Public Lecture ♦ *Categorically Not! On the Edge* ♦ **Sean B. Carroll**, Vice President for Science Education, Howard Hughes Medical Institute; **K.C. Cole**, University of Southern California; Director's Visitor; **Robbert Dijkgraaf**, Director and Leon Levy Professor; **Helen Fisher**, Biological Anthropologist, Kinsey Institute, Indiana University; and **Felice Frankel**, Research Scientist and Photographer, Massachusetts Institute of Technology

Friends Lunch with Yewande Austin ♦ *The Art of Change* ♦ **Yewande Austin**, Artist and Human Rights Activist

April 21

Talk and Luncheon for Founders', Chairman's, and Director's Circle ♦ *The Quest for Other Worlds* ♦ **Nadia Zakamska**, Johns Hopkins University; Junior Visiting Professor, School of Natural Sciences

April 29

World Disorder Lecture Series ♦ *Who Lost the Middle East?* ♦ **Richard Murphy**, Former U.S. Ambassador to Syria and Saudi Arabia

May 6

Public Lecture ♦ *Celebrating Emmy Noether* ♦ **Georgia Benkart**, Professor Emerita, University of Wisconsin-Madison; **Catherine Chung**, Adelphi University; Visitor, Program in Interdisciplinary Studies; **Ingrid Daubechies**, James B. Duke Professor of Mathematics; Professor of Electrical and Computer Engineering at Duke University; and **Karen Uhlenbeck**, University of Texas; Visitor, School of Mathematics

May 11

Public Lecture ♦ *Math in the Real World: More Than Just a Numbers Game* ♦ **Sandra Peterson**, Group Worldwide Chairman, Johnson & Johnson; Institute Trustee; and **Kathy Wengel**, Worldwide Vice President, Supply Chain, Johnson & Johnson

May 13

AMIAS Lecture ♦ *An Antidote to the Politics of Despair: Enabling Conceptions of Justice and the Democratic Necessity of Insurgency* ♦ **Deva Woody**, Assistant Professor of Politics, The New School for Social Research

May 20

Friends Lunch with a Member ♦ *Activism in the Shadows of Universalism, Elisions, and Accents in the History of Human Rights* ♦ **Meredith Terretta**, Louise and John Steffens Founders' Circle Member, School of Historical Studies

May 25

Friends Annual Meeting and Picnic

June 10

Staff Picnic