

PUNDiT: Practicum for Undergraduates in Number Theory

Saturday October 16, 2021

- 8:00–8:50 *Check-In/Breakfast (Hosted by IPAM)*
- 8:50–9:00 *Welcome & Opening Remarks: Dean Miguel García-Garibay (Dean of Physical Sciences, UCLA) and Dima Shlyakhtenko (Director, IPAM)*
- 9:00–10:00 **Lori Watson** (Wake Forest University)
Expository talk: Fundamental Indeed
- 10:00–11:00 **Edray Goins** (Pomona College)
Tutorial #1: From Pendula to Elliptic Curves
- 11:00–12:00 *Problem Session #1*
- 12:00–2:00 *Lunch (Hosted by IPAM)*
- 2:00–3:00 **Caleb Ashley** (Boston College)
Tutorial #2: Riemann surfaces: number, function theory, and geometry.
- 3:00–4:00 *Problem Session #2*
- 4:00–5:00 **Aaron Pollack** (University of California, San Diego (UCSD))
Expository talk: Sums of two squares
- 5:00–6:00 *Panel Discussion: Opportunities in Number Theory for Undergraduates, featuring Alina Bucur (UCSD), Ken Ono (University of Virginia), Rachel Pries (Colorado State University), Edray Goins (Pomona College). Moderator: Caleb Ashley*
- 6:00–6:10 *Closing Remarks*
- 6:10–8:00 *Dinner (on your own)*



Sunday October 17, 2021

- 8:00–9:00 *Check-In/Breakfast (Hosted by IPAM)*
- 9:00–10:00 **Stephan Garcia** (Pomona College)
Expository talk: Prime time math: little green men, locust hordes, and cybersecurity
- 10:00–11:00 **Caleb Ashley** (Boston College)
Tutorial #3: Jabberwocky: the Markov equation and the maximally symmetric once punctured torus.
- 11:00–12:00 *Problem Session #3*
- 12:00–2:00 *Lunch (Hosted by IPAM)*
- 2:00–3:00 **Adriana Salerno** (Bates College)
Expository talk: Arithmetic Geometry: From Circles to Circular Counting
- 3:00–4:00 *Panel Discussion: Opportunities at the NSF-Math Institutes for Undergraduates, featuring Rebecca Garcia (Sam Houston State), Rafe Mazzeo (Stanford University), Ulrica Wilson (Morehouse College), Susana Serna (IPAM). Moderator: Edray Goins*
- 4:00–4:10 *Closing Remarks*

