NSF Funding Opportunities: Statistics, Mathematics, and Data Science

September 25, 2020

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Statistics Program Officers

Nandini Kannan (On Leave)  Edsel Pena (rotator)  Gabor Szekely (permanent)  Huixia Judy Wang (rotator)  Yong Zeng (rotator)
Research Programs

- Faculty Early Career Development Program (CAREER)
  - Deadline: July

- Regular Statistics Program
  - Submission window: Dec 1–15, 2020
- **DMS/NIGMS** (Interface of the Biological and Mathematical Sciences)
  - September 1–18, 2020

- **CDS&E–MSS** (computational and massive-data challenges presented to scientific and engineering communities)
  - September 1–15, 2020

- **ATD** (Algorithms for Threat Detection)
  - February 17, 2021

- **MoDL** (NSF–Simons Research Collaborations on the Mathematical and Scientific Foundations of Deep Learning)

- **SenSE** (Multimodal Sensor Systems for Precision Health Enabled by Data Harnessing, Artificial Intelligence, and Learning)

Training & Career Development

- **GRFP** (Graduate Research Fellowship Program)
  - October 25, 2019

- **MSPRF** (Mathematical Sciences Postdoctoral Research Fellowships)
  - October 31, 2019

- **MSGI** (NSF Mathematical Sciences Graduate Internship)
  - For math science doctoral students to participate in internships at federal national laboratories, industry and other approved facilities
  - [https://orise.orau.gov/nsf-msgi](https://orise.orau.gov/nsf-msgi)
  - January 31

- **Others**: RTG (Research Training Groups in the Mathematical Sciences); REU (Research Experiences for Undergraduates) Sites
Community Resources

- Mathematical Sciences Institutes–A Community Resource (www.mathinstitutes.org)
- NSF TRIPODS Institutes: https://nsf-tripods.org/
  - Foundations of Data Science Institute
  - Institute for Foundations of Data Science
- NSF–SF MoDL centers
  - THEORINET
  - The Collaboration on the Theoretical Foundations of Deep Learning
- AI Institutes, e.g.
  - Institutes for Foundations of ML (UT Austin)
- HDR Institutes
Final Remarks

- Check the published abstracts on the NSF website: http://www.nsf.gov/awardsearch

- Volunteer as a reviewer! Email the PD or visit https://www.nsf.gov/additional-resources.jsp?org=DMS

- Talk to Program Officers
  - JSM: DMS Meet & Greet; Speed Coaching
  - DMS office hours (TBA)
QUESTIONS?

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