Sigma Xi Annual Meeting
Big Data and the Future of Research
October 25–28, 2018
Hyatt Regency San Francisco Airport, California

Call for Abstracts for Big Data Symposia[1]

The Annual Meeting program committee invites researchers worldwide to submit abstracts for oral and poster presentations, panel discussions, and workshops reporting on the methodologies, applications, and ethics of big data across research disciplines. In recent years, we have seen unprecedented increases in the amount of information generated by the research community and various technology platforms. Access to such large data sets has been transformative across research disciplines from social and biological sciences to earth and space sciences. It also poses challenges of data dissemination, integration, analysis and use. The *Big Data and Future of Research* conference will bring together speakers and attendees from a broad spectrum of disciplines to engage in discussions on how big data will affect the future of research and advance our understanding of the universe. Sessions will also discuss the ethical ramifications of big data in relation to individuals and society. In addition, the Annual Meeting will feature professional development workshops and networking opportunities open to all attendees.

We are inviting abstract submissions in any of the following categories:

- o   Big Data in Biology and Medicine
- o   Big Data in Physics and Astronomy
- o   Big Data in Climate, Energy, and the Environment
- o   Communicating Science in the Era of Big Data
- o   Ethics and the Responsible Use of Data

Abstracts will be peer reviewed and acceptance will be based on merit and available space. Membership in Sigma Xi is not required for participation. Oral and poster presentations, panels, and workshops will take place on Friday, Saturday, and Sunday, October 26-28, 2018. Oral presentations will be limited to 20 minutes including Q&A.

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[1] This call for abstracts is not for the Sigma Xi Student Research Conference. Student presenters are invited to register and submit a poster presentation abstract on the event's website.

Submission Information:

Please send the following information to meetings@sigmaxi.org.

1. Primary Presenter
   a. Full name
   b. Email address
   c. Affiliation, including city and country
2. Co-authors (if applicable)
   a. Full name
   b. Email address
   c. Affiliation, including city and country
3. Corresponding Author:
   a. Full name
   b. Email address
   c. Affiliation
   d. Mailing address
   e. Phone number
4. Research Category (select one):
   o Big Data in Biology and Medicine
   o Big Data in Physics and Astronomy
   o Big Data in Climate, Energy, and the Environment
   o Communicating Science in the Era of Big Data
   o Ethics and the Responsible Use of Data
5. Format Preference:
   o Oral presentation
   o Poster presentation
   o Both[2]
6. Available Sunday?   Yes___ No___
7. Abstract, no more than 250 words, in a word .doc or .pdf format

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[2] Please submit individual abstracts for oral and poster presentations