



Association for
Computing Machinery

Advancing Computing as a Science & Profession



MEDIA ADVISORY

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**LEADING EXPERTS CONVENE FOR INTERDISCIPLINARY SUMMIT ON
THE FOUNDATIONS OF DATA SCIENCE**

***ACM-IMS Gathering in San Francisco to Focus on Deep Learning, Ethics, Fairness and
the Future of Data Science***

New York, NY, May 20, 2019 – Computing and statistics underpin the rapid emergence of Data Science as a pivotal discipline today. As the two key professional organizations in these areas, the Association for Computing Machinery (ACM) and the Institute of Mathematical Statistics (IMS) have organized the [ACM-IMS Interdisciplinary Summit on the Foundations of Data Science](#) to be held June 15, 2019 at the Palace Hotel in San Francisco. This one-day event will bring together distinguished speakers and panelists to address topics such as deep learning, reinforcement learning, fairness, ethics, and the future of data science.

PROGRAM OVERVIEW:

Keynote Speakers:

Emmanuel Candès, Professor of Mathematics and Statistics at Stanford University
(keynote title tbd)

Jeffrey Dean, Google Senior Fellow and SVP, Research and Health
“Deep Learning for Tackling Real-World Problems”

Daphne Koller, CEO and Founder, insitro
“Human Biology through the Lens of Data”

Panel Discussions:

Deep Learning, Reinforcement Learning, and Role of Methods in Data Science

Moderator: Joseph Gonzalez (University of California, Berkeley)

Panelists: Shirley Ho (Flatiron Institute), Sham Kakade (University of Washington), Suchi Saria (Johns Hopkins University) and Manuela Veloso (J.P. Morgan AI Research and Carnegie Mellon University)

(Cont'd)

Robustness and Stability in Data Science

Moderator: Ryan Tibshirani (Carnegie Mellon University)

Panelists: Aleksander Madry (MIT), Xiao-Li Meng (Harvard University), Richard J. Samworth (University of Cambridge and The Alan Turing Institute), and Bin Yu (University of California, Berkeley)

Fairness and Ethics in Data Science

Moderator: Yannis Ioannidis (Athena Research Center)

Panelists: Joaquin Quiñonero Candela (Facebook), Alexandra Chouldechova (Carnegie Mellon University), Andrew Gelman (Columbia University) and Kristian Lum (Human Rights Data Analysis Group)

Future of Data Science

Co-Moderators: David Madigan (Columbia University), Jeanette Wing (Columbia University)

Panelists: Michael I. Jordan (University of California, Berkeley), Adrian Smith (The Alan Turing Institute)

Steering Committee: Jeannette Wing (Event Co-Chair), David Madigan (Event Co-Chair), Magdalena Balazinska, Joseph Gonzalez, Chris Holmes, Yannis Ioannidis, Ryan Tibshirani, and Daniela Witten

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About ACM

[ACM, the Association for Computing Machinery](#), is the premier global community of computing professionals and students with nearly 100,000 members in more than 170 countries interacting with more than 2 million computing professionals worldwide.

About IMS

[IMS, the Institute of Mathematical Statistics](#), is the leading organization fostering the development and dissemination of the theory and applications of statistics.

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