



Financial support is available for up to 30 participants. Preference will be given to graduate students, postdocs and junior researchers, as well as members of under-represented groups. For more information, visit our website.

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CBMS-NSF Regional Research Conference

Bayesian Modeling for Spatial and Spatio-Temporal Data



University of California, Santa Cruz –
August 14-18, 2017.

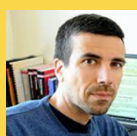
Alan E. Gelfand Duke University

Prof. Gelfand is J.B. Duke Professor of Statistics at the Department of Statistical Science at Duke University. Prof. Gelfand is one of the most accomplished and influential contemporary statisticians. He has authored more than 280 scholarly articles and is considered a leading expert of spatial statistics.

Prof. Gelfand will deliver 10 two-hour lectures. In addition, the conference will feature three invited speakers who will deliver individual lectures on topics complementary to those discussed by Prof. Gelfand.

Additional Invited Lecturers:

- Sudipto Banerjee (University of California, Los Angeles).
- Michele Guindani (University of California, Irvine).
- Christopher Paciorek (University of California, Berkeley).



This conference is sponsored by the National Science Foundation (NSF), the Conference Board of the Mathematical Sciences (CBMS), the International Society for Bayesian Analysis (ISBA), the Center for Information Technology Research in the Interest of Society (CITRIS) and the Jack Baskin School of Engineering of the University of California Santa Cruz.



INTERNATIONAL SOCIETY FOR BAYESIAN ANALYSIS

Topics covered:

- Geostatistical modeling.
- Bayesian inference on large spatial and spatio-temporal data.
- Kriging with Gaussian processes and gradient analysis.
- Spatial Markov random fields with areal data.
- Multivariate spatial kriging.
- Nonparametric spatial and spatiotemporal models.
- Spatial point processes.
- Spatial stochastic integro-differential equations.

