



Financial support (including travel, lodging and meals) 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.

Contact information:
<http://cbms-mum.soe.ucsc.edu/>
cbms-mum@ams.ucsc.edu

Local organizing committee:

- Bruno Sansó
- Abel Rodríguez
- Yuefeng Wu

CBMS-NSF Regional Research Conference

Model Uncertainty and Multiplicity

University of California, Santa Cruz – July 23-27, 2012.



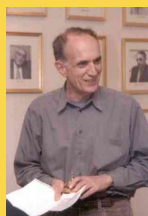
James O. Berger Duke University

Dr. Berger is the The Arts and Sciences Professor of Statistics at the Department of Statistics and Decision Sciences at Duke University. Prof. Berger is one of the most accomplished and influential contemporary statisticians. His more than 100 articles and his book on statistical decision theory and Bayesian analysis have had a profound influence in a whole generation of statisticians.

Dr. Berger 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 Dr. Berger.

Additional Invited Lecturers:

- Bradley Efron (Stanford University).
- Susie Bayarri (Universitat de València).
- Marc Suchard (University of California, Los Angeles).



This conference is sponsored by the National Science Foundation (NSF), the Conference Board of the Mathematical Sciences (CBMS), the International Society for Bayesian Analysis, 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:

- Essentials of Bayesian hypothesis testing.
- Conditional frequentist testing, invariance and nonparametric testing.
- Objective priors for model comparison.
- Essentials of model uncertainty.
- Model prior probabilities and multiplicity.
- Model criticism.
- Asymptotics of Bayesian procedures and approximations.

