

**BIRS Workshop**  
**Regularization in Statistics**  
**Sunday, September 7, 2003**

MORNING

9:00 – 9:15

Opening: Robert Moody, the director of BIRS

9:15 – 10:00

**Rudy Beran** (University of California, Davis)

*Regularized fits to incomplete unbalanced discrete multi-way layouts*

10:00 – 10:45

**Stephen Smale** (Toyota Technological Institute at Chicago)

*Learning with determined inputs nad generalized Shannon-Nyquist sampling*

10:45 – 11:15 COFFEE BREAK

11:00 – 11:45

**Ivan Mizera** (University of Alberta)

*Regularization in statistics: metamorphoses and leftovers*

AFTERNOON

14:15 – 14:45

**Enno Mammen** (Universität Heidelberg)

*Optimal estimation in additive regression models*

14:45 – 15:15

**Joel Horowitz** (Northwestern University)

*Nonparametric estimation in the presence of instrumental variables*

15:15 – 15:45 COFFEE BREAK

15:45 – 16:15

**Paul Speckman** (University of Missouri)

*Adaptive function estimation using smooth stochastic variability priors*

16:15 – 16:45

**S. C. Samuel Kou** (Harvard University)

*Statistical analysis of single molecule experiments in chemistry*