

# Developments and Challenges in Mixture Models, Bump Hunting and Measurement Error Models

June 2-4, Cleveland Ohio

## Sunday June 2

[9:55 - 10:00 a.m.] Opening Remarks

*Joe Sedransk, CWRU*

[10:00 - 11:00 a.m.] Key Note Speaker

Chair: J. S. Marron

*Peter Hall, Australian National University*

[11:00 - 12:30 p.m.] Neyman Lectures: Genetics

Organizer/Chair: J. Sunil Rao

*Geoffrey Duyk, Exelixis*

*Joe Nadeau, CWRU School of Medicine*

[12:30 - 2:30 p.m.]

Lunch in Pavillion Dining Room (Free)

Poster Session (Chairs: Nidhan Choudhuri and Steve Ganocy)

[2:30 - 4:00 p.m.] Astronomy

Organizer: Heather Morrison

Chair: Jiayang Sun

*Heather Morrison, CWRU*

*Megan Donahue, Space Telescope Science Institute*

*Andrew Connolly, University of Pittsburgh*

[4:00 - 4:15 p.m.] Break

[4:15 - 5:45 p.m.] Bump Hunting

Organizer: David Scott

Chair: J. A. Hartigan

*J. S. Marron, University of North Carolina*

*Guenther Walther, Stanford University*

*David Scott, Rice University*

[10:15 - 10:30 a.m.] Break

[10:30 a.m. - 12:00 a.m.] Neyman Lectures:  
Physical Sciences

Organizer/Chair: Michael Woodroffe

*Byron Roe, University of Michigan*

*Mark Stuff, Veridian Systems*

*B. Paul Padley, Rice University*

[12:00 - 1:15 p.m.]

Lunch in Pavillion Dining Room (Free)

[1:15 - 2:45 p.m.] Bioinformatics

Organizer: J. Sunil Rao

Chair: Guenther Walther

*Jenny Bryan, University of British Columbia*

*J. Sunil Rao, CWRU*

*David Siegmund, Stanford University*

[2:45 - 3:00 p.m.] Break

[3:00 - 4:30 p.m.] Classification and Clustering

Organizer: Regina Y. Liu

Chair: David Scott

*David M. Rocke, University of California, Davis*

*Regina Y. Liu, Rutgers University*

*Mark Hansen, Bell Laboratories*

[4:30 - 4:45 p.m.] Group Photo

[4:45 - 6:00 p.m.] Breakout sessions: Current  
Trends, Challenges, Discussions

Astronomy/Physical Sciences<sup>1</sup>

Genetics/Bioinformatics<sup>2</sup>

Bump hunting/Classification and Clustering<sup>3</sup>

Measurement errors/Image analysis, Incomplete Data<sup>4</sup>

Mixture models/Bayesian methods<sup>5</sup>

Leaders:

<sup>1</sup>*Heather Morrison, Michael Woodroffe*

<sup>2</sup>*J. Sunil Rao*

<sup>3</sup>*David Scott, Regina Y. Liu*

<sup>4</sup>*Jiahua Chen, Carey E. Priebe*

<sup>5</sup>*Bruce Lindsay*

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## Monday June 3

[8:45 - 10:15 a.m.] Bayesian Methods

Organizer: Hemant Ishwaran

Chair: Mary Lesperance

*Vanja Dukic, University of Chicago*

*Michael Escobar, University of Toronto*

**[6:00 - 7:00 p.m.] Reception (cash bar)**

**[7:00 - 8:30 p.m.] Banquet Dinner (free with registration)**

Opening Remarks:

Lynne Singer, Provost CWRU

Samuel Savin, Dean CWRU

Special Speaker: J. A. Hartigan, Yale University

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## **Tuesday June 4**

**[8:45 - 10:15 a.m.] Mixtures**

Organizer: Bruce Lindsay

Chair: Marianthi Markatou

*Bruce Lindsay, Penn State University*

*Ramani S. Pilla, U. of Illinois and CWRU*

*Murray Aitkin, Education Statistics Services Inst.  
and University of Newcastle*

Discussant: Marianthi Markatou, Columbia University

**[10:15 - 10:30 a.m.] Break**

**[10:30 a.m. - 12:00 a.m.] Measurement Errors**

Organizer: Jiayang Sun

Chair: Jiahua Chen

*Andrey Feuerverger and Jiayang Sun, University  
of Toronto and CWRU*

*David Ruppert, Cornell University*

*Jiahua Chen, University of Waterloo*

**[12:00 - 1:00 p.m.]**

Lunch in Pavillion Dining Room (Free)

**[1:00 - 2:30 p.m.] Image Analysis/Incomplete Data**

Organizer/Chair: Carey E. Priebe

*David Marchette, Naval Surface Warfare Center*

*Michael Woodroffe, University of Michigan*

*Carey E. Priebe, Johns Hopkins University*

**[2:30 - 5:00 p.m.] NSF Granstmanship**

Marianthi Markatou, Columbia University