

# SIAM International Conference on Data Mining SDM 2013

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EUROPEAN UNION



MINISTRY OF EDUCATION,  
YOUTH AND SPORTS



INVESTMENTS IN EDUCATION DEVELOPMENT

# Basic Information

- Top data mining conference.
- Place: Austin, Texas, USA.
- Date: May 2-4, 2013.
- Sponsors: IBM, Google, NFS.

# Conference

- Acceptance rate: 25.57%
- Number of submissions: 348
- Number of participants: 704
- Number of presentations: 89
- Number of invited talks: 4
- Number of parallel section: 4
- Number of tutorials: 6
- Number of application papers: 50%
- Number of countries: 26 (most of papers is from USA and China)

## Selected Invited Talks

- Regional Climate Informatics: A Statistical Perspective  
*Doug Nychka*  
Statistical model for climate predictions.
- Social Networks As Information Filters  
*Lada Adamic*  
Spreading and evolving of information in social networks.
- Modeling Individual-Level Data in the 21st Century  
*Padhraic Smyth*  
Role of a individual data and their meaning.

## Selected Presentations

- Missing Or Inapplicable: Treatment of Incomplete Continuous Valued Features in Supervised Learning  
*Pang-Ning Tan, et. al.*  
This talk introduce new approach to missing (not applicable) values in data.
- Discriminative Feature Selection for Uncertain Graph Classification  
*Xiangnan Kong, et. al.*  
In this talk was present so-called uncertain graphs. This kind of graphs was use for analysis connections in normally working a damaged brains.
- Patient Risk Prediction Model via Top-k Stability Selection  
*Jiayu Zhou, et. al.*  
New approach to selecting stable descriptors for predictions.

# Selected Tutorials

- Big Data Analytics for Healthcare  
*Jimeng Sun, Chandan Reddy*  
How can the datamining help improvement healthcare.
- Recent Advances in Applied Matrix Technologies  
*Fei Wang, Hanghang Tong*  
Matrix calculus and its application in the datamining.

# Others

- Poster section.
- Social network analysis.
- Healthcare.
- Weather forecast.