

JOINT EVENT

Proceedings of

7th International Conference on

# BIostatistics AND Bioinformatics

&

7th International Conference on

# Big Data Analytics & Data Mining

September 26-27, 2018 | Chicago, USA



# Day 1 September 26, 2018

## Conference Hall: Michigan

08:45-09:15 Registrations

09:15-09:30 Opening Ceremony

### Keynote Forum

- 09:30-10:05** Title: The theory of random sets as flexible texture descriptor for biological and medical objects and self-similarity as feature descriptors for the description of the appearances of cells and motion  
Petra Perner, Institute of Computer Vision and applied Computer Sciences, Germany
- 10:05-10:40** Title: Algorithms for a minimum sum of squares clustering  
Pierre Hansen, GERAD and HEC Montreal, Canada

### Group Photo

### Panel Discussion

Networking and Refreshment Break 10:40-11:00 @ Foyer

- 11:00-11:35** Title: Partially exact alternatives to regularization in proportional hazards regression models with monotone likelihood  
John E Kolassa, Rutgers University, USA
- 11:35-12:05** Title: Copula Gaussian graphical models for functional data  
Bing Li, Pennsylvania State University, USA
- 12:05-12:35** Title: Disrupting retail analysis with Artificial Intelligence-powered advanced analytics  
Ergi Sener, IdeaField Incubation Center BV, Holland
- 12:35-13:05** Title: Risk visualization: When actuarial science meets visual analytics  
Nicolas Wesner, Mazars Actuariat, France

### Panel Discussion

Lunch Break 13:05-14:00 @ Ontario

- 14:00-14:35** Title: Design productivity, compilation, and acceleration for data analytic applications  
Deming Chen, University of Illinois at Urbana-Champaign, USA
- 14:35-15:05** Title: Lifelong learning machines: The cutting edge Artificial Intelligence  
Hava Siegelmann, DARPA, USA

Sessions: Data Analytics | Big Data Applications | Internet of things | Data Mining Applications in Science, Engineering, Healthcare and Medicine | Cloud computing & E-commerce | Data Mining and Machine Learning | Artificial Intelligence | Biostatistics Application | Statistical Methods | Data Mining analysis | Modern Data Analytics | Clinical Biostatistics | Regression Analysis

Session Chair: Subbulakshmi Padmanabhan, StubHub, USA

- 15:05-15:30** Title: Better monitoring of diabetic levels using new control charts  
Gadde Srinivasa Rao, The University of Dodoma, Tanzania
- 15:30-15:55** Title: Estimation of differencing parameter of arima models  
Abdul Basit, State Bank of Pakistan, Pakistan

### Panel Discussion

Networking and Refreshment Break 15:55-16:15 @ Foyer

- 16:15-16:40** Title: Exact inference for the Youden index to discriminate individuals using two-parameter exponentially-distributed pooled samples  
Sumith Gunasekera, The University of Tennessee at Chattanooga, USA

### Poster

- 16:40-17:00** Title: Classification of multi-channel electroencephalogram time series with linear discriminant analysis  
Yongxiang Gao, Sun yat-sen University, China

Networking 17:00-18:00



## Day 2 September 27, 2018

### Conference Hall: Michigan

#### Keynote Forum

- 09:00-09:35** Title: Improve business operation efficient through the use of automatic intelligent model building system  
Morgan C Wang, University of Central Florida, USA
- 09:35-10:05** Title: Computational Graphology Systems that reveal people's character from their handwritten data  
Ching Y Suen, Concordia University, Canada
- 10:05-10:35** Title: High-performance data analytics: Platforms, resource management, and middleware  
Shikharesh Majumdar, Carleton University, Canada

#### Panel Discussion

#### Networking and Refreshment Break 10:35-10:55 @ Foyer

- 10:55-11:25** Title: Data-driven management of infrastructure systems in smart communities  
Gurdip Singh, Syracuse University, USA
- 11:25-11:55** Title: Martingale difference divergence and its applications to contemporary statistics  
Xiaofeng Shao, University of Illinois at Urbana-Champaign, USA
- 11:55-12:25** Title: Deep learning in biomedical image processing, analysis, and diagnosis  
Kenji Suzuki, Tokyo Institute of Technology, Japan
- 12:25-12:55** Title: Biostatistics and personalized medicine  
Chap T Le, University of Minnesota, USA

#### Panel Discussion

#### Lunch Break 12:55-13:50 @ Superior B

**Sessions: Data Analytics | Big Data Applications | Internet of things | Data Mining Applications in Science, Engineering, Healthcare and Medicine | Cloud computing & E-commerce | Data Mining and Machine Learning | Artificial Intelligence**

**Session Chair: Subbulakshmi Padmanabhan, StubHub, USA**

- 13:50-14:15** Title: Data mining via entropy and time series analysis  
Asif Ali, State Bank of Pakistan, Pakistan
- 14:15-14:40** Title: Effect of competing for risk among breast cancer  
Olawale Abolade O, Federal Polytechnic, Nigeria
- 14:40-15:05** Title: Application of Artificial Intelligence techniques to formulate a mathematical equation for the uniaxial compressive strength of fly ash concrete  
Tamer Elsayed Ahmed Said, National Research Centre, Egypt

#### Workshop

- 15:05-16:00** Title: Disrupting retail analysis with AI powered advanced analytics solution - Idea Field BV  
Ergi Sener, IdeaField Incubation Center BV, Holland

#### Panel Discussion

#### Networking and Refreshment Break 16:00-16:20 @ Foyer

#### Networking 16:20-17:20

#### Award and Closing Ceremony