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**

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### 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

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**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

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**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**

**15:00-15:30**

**Title:** Better monitoring of diabetic levels using new control charts  
Gadde Srinivasa Rao, The University of Dodoma, Tanzania

**15:30-16:00**

**Title:** Estimation of differencing parameter of arima models  
Abdul Basit, State Bank of Pakistan, Pakistan

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**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

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**Poster**

**16:40-17:00**

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

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**Networking 17:00-18:00**
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00-09:35</td>
<td><strong>Title:</strong> Improve business operation efficient through the use of automatic intelligent model building system</td>
<td>Morgan C Wang</td>
<td>University of Central Florida, USA</td>
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<tr>
<td>09:35-10:05</td>
<td><strong>Title:</strong> Computational Graphology Systems that reveal people's character from their handwritten data</td>
<td>Ching Y Suen</td>
<td>Concordia University, Canada</td>
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<tr>
<td>10:05-10:35</td>
<td><strong>Title:</strong> High-performance data analytics: Platforms, resource management, and middleware</td>
<td>Shikharesh Majumdar</td>
<td>Carleton University, Canada</td>
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<tr>
<td>10:55-11:25</td>
<td><strong>Title:</strong> Data-driven management of infrastructure systems in smart communities</td>
<td>Gurdip Singh</td>
<td>Syracuse University, USA</td>
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<tr>
<td>11:25-11:55</td>
<td><strong>Title:</strong> Martingale difference divergence and its applications to contemporary statistics</td>
<td>Xiaofeng Shao</td>
<td>University of Illinois at Urbana-Champaign, USA</td>
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<tr>
<td>11:55-12:25</td>
<td><strong>Title:</strong> Deep learning in biomedical image processing, analysis, and diagnosis</td>
<td>Kenji Suzuki</td>
<td>Tokyo Institute of Technology, Japan</td>
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<tr>
<td>12:25-12:55</td>
<td><strong>Title:</strong> Biostatistics and personalized medicine</td>
<td>Chap T Le</td>
<td>University of Minnesota, USA</td>
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<td>13:50-14:15</td>
<td><strong>Title:</strong> Data mining via entropy and time series analysis</td>
<td>Asif Ali</td>
<td>State Bank of Pakistan, Pakistan</td>
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<tr>
<td>14:15-14:40</td>
<td><strong>Title:</strong> Effect of competing for risk among breast cancer</td>
<td>Olawale Abolade O</td>
<td>Federal Polytechnic, Nigeria</td>
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<tr>
<td>14:40-15:05</td>
<td><strong>Title:</strong> Application of Artificial Intelligence techniques to formulate a mathematical equation for the uniaxial compressive strength of fly ash concrete</td>
<td>Tamer Elsayed Ahmed Said</td>
<td>National Research Centre, Egypt</td>
</tr>
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<td>Ergi Sener</td>
<td>IdeaField Incubation Center BV, Holland</td>
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<td>16:20-17:20</td>
<td>Award and Closing Ceremony</td>
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