### The 2nd International Conference on Soft Computing in Data Science (SCDS2016) Conference Schedule

**Day 1: 21st September 2016 (Wednesday)**  
**Venue:** Ballroom 1, Level 02, Pullman Kuala Lumpur, Bangsar

<table>
<thead>
<tr>
<th>Time</th>
<th>Activities</th>
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</table>
| 8:00 - 9:00 am | Registration  
Ballroom 1, Level 02                                                                              |
| 8.45 am       | Arrival of YBhg. Prof. Dr Azlinah Hj Mohamed  
Dean of Faculty of Computer and Mathematical Sciences, UiTM                                            |
| 9:00 - 9:15 am| Doa Recitation  
- Lagu Negaraku  
- Lagu Wawasan Setia Warga UiTM                                                                          |
| 9:15 - 9:30 am| Welcome Speech by Conference Chair:  
Professor Dr Yap Bee Wah  
Faculty of Computer and Mathematical Sciences, UiTM                                                        |
| 9:30 - 10:30 am| Keynote Speech 1  
Making the Most of Big Data  
Dato' Seri Ivan Teh  
Managing Director Fusionex, Malaysia  
Session Char: Professor Dr Mazani Manaf                                                                |
| 10:30 - 11:00 am| Tea/Coffee Break  
Ballroom 1, Level 02                                                                                   |
| 11:00 - 11:30 am| Keynote Speech 2  
Democratizing Machine Learning  
Dr Dzaharudin Mansor  
National Technology Officer, Microsoft Malaysia  
Session Char: Professor Dr Mazani Manaf                                                                |
| 11:30 - 12:00 pm| Keynote Speech 3  
Microsoft Advanced Analytics Overview  
Faisal Hajazi  
Data Platform Solution Architect, Microsoft  
Session Char: Professor Dr Mazani Manaf                                                                |
| 12:00 - 12:30 pm| Q & A                                                                                                  |
| 12:00 - 1:00 pm| Parallel Session 1  
Track: Artificial Intelligence Networks  
Venue: Studio 1, Level 03                                                                                |
| 1:00 - 2:00 pm| Lunch Break  
Oriental Thai, Level 03                                                                                   |
| 2:00 - 6:30 pm| Session Chairs: Pn Noor Latfah Adam & Cik Ezzatul Akmal Kamaru Zaman  
Venue: Ballroom 1, Level 01  
Special Session 1: (2:00 – 3:30pm)  
Data Wrangling in the Big Data World  
Gan Chun Yee  
Head of Big Data Analytics  
Fusionex, Malaysia  
Special Session 2: (3:30 – 4:30pm)  
Analytics in Action  
Dr Mark Chia  
Advanced Analytics Practice Lead, Center of Excellence, SAS |
### Day 2: 22\textsuperscript{nd} September 2016 (Thursday)

**Venue:** Ballroom 1, Level 02, Pullman Kuala Lumpur, Bangsar

<table>
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<tr>
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</table>
| 8:00-8:30am        | Registration  
*Ballroom 1, Level 02*                                                                                                                     |
| 8:15 am            | Arrival of Participants and Guests                                                                                                            |
| 8:30 am            | Arrival of YBhg. Prof. Dr Azlinah Hj Mohamed  
Dean of Faculty of Computer and Mathematical Sciences, UiTM                                  |
| 8:45 - 9:00 am     | - Doa Recitation  
- Lagu NegaraKu  
- Lagu Wawasan Setia Warga UiTM                                                             |
| 9:00 - 9:30 am     | **Session Chair: Prof Dr Daud Mohamad**  
**Keynote Speech 4**  
*Big Data Analytics: Getting the Right Match for the Best Fit*  
Professor Dr Azlinah Hj Mohamed  
Dean of Faculty of Computer and Mathematical Sciences, UiTM                                    |
| 9:30 - 10:00 am    | **Keynote Speech 5**  
*Data Science and Applied Computing for Multidisciplinary Applications*  
Associate Professor Dr Dhiya Al-Jumeily  
Liverpool John Moores University, UK                                                           |
| 10:00 - 10:30 am   | **Keynote Speech 6**  
*Operationalizing Data Science*  
Dr David R Hardoon  
Chief of Analytics (Data Artist), Azendian Solutions, Singapore                              |
| 10:30 - 11:00 am   | Tea Break  
*Ballroom 1, Level 02*                                                                                                                         |
| 11:00 - 1:00 pm    | **Session Chairs: Dr Shuzlina Abd Rahman & Dr Shuhaida Shahidan**  
**Special Session 4**  
**Smart Data Discovery with IBM Watson Analytics**  
Shawn Tan  
Watson Analytics Digital Sales Specialist (Asia Pacific)  
*Venue: Ballroom 1, Level 02*                                                               |
| 11:00 - 12:30 pm   | Parallel Session 3  
Track: Information and Sentiment Analysis  
*Venue: Studio 1, Level 03*                                                                    |
| 1:00 - 2:00 pm     | Lunch Break  
*Oriental Thai, Level 1*                                                                          |
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<tr>
<th>Time</th>
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</table>
| 1.45 - 2:45 pm | Parallel Session 4  
Track : Fuzzy Logic  
**Venue:** Studio 1, Level 03 |
| 2:30 pm      | Arrival of YBhg. Prof. Emeritus Dato' Dr Hassan Said  
Vice Chancellor, UiTM  
**Venue:** Ballroom 1, Level 02 |
| 3:00 - 3:10 pm | Doa Recitation  
- Lagu NegaraKu  
- Lagu Wawasan Setia Warga UiTM |
| 3:10 - 3:30 pm | Opening and Closing Speech by  
YBhg. Prof. Emeritus Dato' Dr Hassan Said  
Vice Chancellor, UiTM |
| 3:30 - 4:00 pm | Presentation of Token of Appreciation to Sponsors by  
Vice Chancellor of UiTM |
| 4:00 - 4:30 pm | Presentation of Best Paper Awards by  
Vice Chancellor of UiTM |
| 4.30 – 5.00 pm | Tea/Coffee Break  
**Ballroom 1, Level 02** |
## Parallel Sessions Schedule

**TRACK 1: Artificial Neural Networks**

*Venue*: Studio 1, Level 03, Pullman Kuala Lumpur, Bangsar

*Date*: 21 September 2016 (Wednesday)

Parallel Session 1 : 12.00 pm – 1.00 pm

**Session Chair**: Dr Shuzlina Abd Rahman

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<tbody>
<tr>
<td>1</td>
<td>12.00 pm – 12.15 pm</td>
<td>1570286842</td>
<td>Shallow Network Performance in an Increasing Image Dimension</td>
<td>Mohd Razif Shamsuddin, Shuzlina Abd Rahman, Azlinah Mohamed</td>
</tr>
<tr>
<td>2</td>
<td>12.15 pm – 12.30 pm</td>
<td>1570286865</td>
<td>Applied Neural Network Model to Search for Target Credit Card Customers</td>
<td>Jong-Pei Li</td>
</tr>
<tr>
<td>3</td>
<td>12.30 pm – 12.45 pm</td>
<td>1570295173</td>
<td>Selection Probe of EEG using Dynamic Graph of Autocatalytic Set (ACS)</td>
<td>Azmirul Ashaari, Tahir Ahmad, Suzelawati Zenian, Noorsufia Abdul Shukor</td>
</tr>
<tr>
<td>4</td>
<td>12.45 pm – 1.00 pm</td>
<td>1570300181</td>
<td>Multi-step Time Series Forecasting Using Ridge Polynomial Neural Network with Error-Output Feedbacks</td>
<td>Waddah Waheeb, Rozaida Ghazali</td>
</tr>
</tbody>
</table>
## TRACK 2: Classification/Clustering/Visualization

**Venue:** Studio 1, Level 03, Pullman Kuala Lumpur, Bangsar  
**Date:** 21 September 2016 (Wednesday)  
**Parallel Session 2 :** 2.00 pm – 5.15 pm  
**Session Chair:** Professor Dr Chang-Hwan Lee

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<tbody>
<tr>
<td>1</td>
<td>2.00 pm – 2.15 pm</td>
<td>1570300338</td>
<td>Modeling and Forecasting Mudharabah Investment With Risk by Using Geometric Brownian Motion</td>
<td>Nurizzati Azhari, Maharan Mohd Jaffar</td>
</tr>
<tr>
<td>2</td>
<td>2.15 pm – 2.30 pm</td>
<td>1570298469</td>
<td>Comparative Feature Selection of Crime Data in Thailand</td>
<td>Tanavich Sithiprom, Anongnart Srivihok</td>
</tr>
<tr>
<td>3</td>
<td>2.30 pm – 2.45 pm</td>
<td>1570300300</td>
<td>Interactive Big Data Visualization Model Based on Hot Issues (Online news articles)</td>
<td>Wael M.S.Yafooz, Siti Z. Z. Abidin, Nasiroh Omar, Shadi M S Hilles</td>
</tr>
<tr>
<td>4</td>
<td>2.45 pm – 3.00 pm</td>
<td>1570286793</td>
<td>Metabolites selection and classification of metabolomics data on Alzheimer’s disease using random forest</td>
<td>Mohammad Nasir Abdullah, Yap Bee Wah, Yuslina Zakaria, Abu Bakar Abdul Majeed</td>
</tr>
<tr>
<td>5</td>
<td>3.00 pm – 3.15 pm</td>
<td>1570295281</td>
<td>A Multi-Objectives Genetic Algorithm Clustering Ensembles Based Approach to Summarize Relational Data</td>
<td>Rayner Alfred, Gabriel Jong Chiye, Yuto Lim, Chin Kim On, Joe Henry Obit</td>
</tr>
<tr>
<td>6</td>
<td>3.15 pm – 3.30 pm</td>
<td>1570295671</td>
<td>Automated Generating Thai Stupa Image Descriptions with Grid Pattern and Decision Tree</td>
<td>Sathit Prasomphan, Panuwut nomrubporn, Pirat Pathanarat</td>
</tr>
<tr>
<td>7</td>
<td>3.30 pm – 3.45 pm</td>
<td>1570290912</td>
<td>Imbalance Effects On Classification Using Binary Logistic Regression</td>
<td>Hezlin Aryani Abd Rahman, Yap Bee Wah</td>
</tr>
<tr>
<td>8</td>
<td>3.45 pm – 4.00 pm</td>
<td>1570299681</td>
<td>Weak Classifiers Performance Measure in Handling Noisy Clinical Trial Data</td>
<td>Ezzatul Akmal Kamaru-Zaman, Andrew Brass, James Weatherall, Shuzlina Abdul Rahman</td>
</tr>
<tr>
<td>9</td>
<td>4.00 pm – 4.15 pm</td>
<td>1570275757</td>
<td>A Review of Feature Extraction Optimization in SMS Spam Messages Classification</td>
<td>Kamahazira Zainal, Mohd Zalisham Jali</td>
</tr>
<tr>
<td>10</td>
<td>4.15 pm – 4.30 pm</td>
<td>1570299722</td>
<td>Assigning Different Weights to Feature Values in Naive bayes</td>
<td>Chang-Hwan Lee</td>
</tr>
<tr>
<td>Time</td>
<td>Session Time</td>
<td>Paper Title</td>
<td>Authors</td>
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<tr>
<td>11 4.30 pm – 4.45 pm</td>
<td>1570300282</td>
<td>An Automatic Construction of Malay Stop Words Based on Aggregation Method</td>
<td>Khalifa Chekima, Rayner Alfred</td>
<td></td>
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<tr>
<td>12 4.45 pm – 5.00 pm</td>
<td>1570286830</td>
<td>Multi-Script Text Detection and Classification from Natural Scenes</td>
<td>Zaidah Ibrahim, Zolidah Kasiran, Dino Isa, Nurbaiy Sabri</td>
<td></td>
</tr>
<tr>
<td>13 5.00 pm – 5.15 pm</td>
<td>1570295568</td>
<td>The Impact of Data Normalization on Stock Market Prediction: Using SVM and Technical Indicators</td>
<td>Jiaqi Pan, Yan Zhuang, Simon Fong</td>
<td></td>
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</tbody>
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**TRACK 3: Information and Sentiment Analysis**

**Venue:** Studio 1, Level 03, Pullman Kuala Lumpur, Bangsar

**Date:** 22 September 2016 (Thursday)

**Parallel Session 3:** 11.00 am – 12.30 pm

**Session Chair:** Dr Kazuyuki Matsumoto

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<tr>
<td>1</td>
<td>11.00 am – 11.15 am</td>
<td>1570278735</td>
<td>Feel-Phy: An Intelligent Web-Based Physics QA System</td>
<td>Kwong Seng Fong, Chih How Bong, Zahrah Ahmad, Norisma Idris</td>
</tr>
<tr>
<td>2</td>
<td>11.15 am – 11.30 am</td>
<td>1570275683</td>
<td>Usability Evaluation of Secondary School Websites in Malaysia: Case of Federal Territories of Kuala Lumpur, Putrajaya And Labuan</td>
<td>Wan Abdul Rahim Wan Mohd Isa, Zawaliah Ishak, Siti Zulaiha Shabirin</td>
</tr>
<tr>
<td>3</td>
<td>11.30 am – 11.45 am</td>
<td>1570271249</td>
<td>Judgment of Slang based on Character Feature and Feature Expression based on Slang's Context Feature</td>
<td>Kazuyuki Matsumoto, Seiji Tsuchiya, Minoru Yoshida, Kenji Kita</td>
</tr>
<tr>
<td>4</td>
<td>11.45 am – 12.00pm</td>
<td>1570298245</td>
<td>Factors Affecting Sentiment Prediction of Malay News Headlines Using Machine Learning Approaches</td>
<td>Rayner Alfred, Wong Wei Yee, Yuto Lim, Joe Henry Obit</td>
</tr>
<tr>
<td>5</td>
<td>12.00 am – 12.15 pm</td>
<td>1570298247</td>
<td>Assessing Factors that Influence the Performances of Automated Topic Selection for Malay Articles</td>
<td>Rayner Alfred, Leow Jia Ren, Joe Henry Obit</td>
</tr>
<tr>
<td>6*</td>
<td>12.15 pm – 12.30 pm</td>
<td>1570295222</td>
<td>A Comparison of BPNN, RBF, and ENN in Number Plate Recognition</td>
<td>Chin Kim On, Teo Kein Yao, Rayner Alfred, Ag Asri Ag Ibrahim, Wang Cheng, Tan Tse Guan</td>
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*Presentation slot upon request
TRACK 4: Fuzzy Logic

Venue : Studio 1, Level 03, Pullman Kuala Lumpur, Bangsar

Date : 22 September 2016 (Thursday)

Parallel Session 4 : 1.45 pm – 2.45 pm

Session Chair : Professor Dr Daud Mohamad

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<tr>
<td>1</td>
<td>1.45 pm – 2.00 pm</td>
<td>1570267098</td>
<td>Algebraic and Graphical Interpretation of Complex Fuzzy Annulus (an Extension of Complex Fuzzy Sets)</td>
<td>Ganeshsree Selvachandran, Omar Mashaan, Abdul Ghafur Ahmad</td>
</tr>
<tr>
<td>2</td>
<td>2.00 pm – 2.15 pm</td>
<td>1570294352</td>
<td>A Hierarchical Fuzzy Logic Control System for Malaysian Motor Tariff with Risk Factors</td>
<td>Daud Mohamad, Lina Mohd Jamal</td>
</tr>
<tr>
<td>3</td>
<td>2.15 pm – 2.30 pm</td>
<td>1570294851</td>
<td>Modeling Steam Generator System of Pressurized Water Reactor Using Fuzzy Arithmetic</td>
<td>Wan Munirah Wan Mohamad, Tahir Ahmad, Azmirul Ashaari</td>
</tr>
<tr>
<td>4</td>
<td>2.30 pm – 2.45 pm</td>
<td>1570295498</td>
<td>Edge Detection of Flat Electroencephalography Image via Classical and Fuzzy Approach</td>
<td>Suzelawati Zenian, Tahir Ahmad, Amidora Idris</td>
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</tbody>
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