

# The 3rd IEEE International Conference on Smart World Congress (IEEE SWC 2017)

## The programs and schedules for the joint workshops

Friday, August 4, 2017

Hotel Room	Cedar	Fremont	Newark	Balentine	Ballroom IC	Ballroom 1A	Ballroom 1B	Seminar II
Workshop/Tutorial	DSCI Workshop	VPVC Workshop	FUSION Workshop	WSSC Workshop	Tutorial	DDC Workshop	CyberTrust Workshop	Tutorial
08:00am-05:30pm	<b>Registration</b>							
07:30am-08:45am	<b>Breakfast</b>							
08:45am-09:00am	DSCI Opening	VPVC Opening	FUSION Opening	WSSC Opening	Tutorial #1 Session #1	DDC Opening	CyberTrust Opening	Tutorial #3 Session #1
9.00am-10.30am	DSCI Workshop Section #1	VPVC Workshop Section #1	FUSION Workshop Section #1	WSSC Workshop Section #1		DDC Workshop Section #1	CyberTrust Workshop Section #1	
10.30am -11.00am	<b>Tea Break</b>							
11:00am -12.30pm	DSCI Workshop Section #2	VPVC Workshop Section #2	FUSION Workshop Section #2	WSSC Workshop Section #2	Tutorial #1 Session #2	DDC Workshop Section #2	CyberTrust Workshop Section #2	Tutorial #3 Session #2
12.30pm -1:30pm	<b>Lunch</b>							
1:30pm -3:00 pm	DSCI Workshop Section #3	VPVC Workshop Section #3	BDASC Workshop Section #1	WSSC Workshop Section #3	Tutorial #2 Session #1	DDC Workshop Section #3	CyberTrust Workshop Section #3	Tutorial #4 Session #1
3:00pm - 3:30pm	<b>Tea Break</b>							
3:30pm – 5:00pm	DSCI Workshop Section #4	DBRoAST Workshop Section #1	BDASC Workshop Section #2		Tutorial #2 Session #2	ADMCS Workshop		Tutorial #4 Session #2
5:00pm - 5:15pm	<b>Tea Break</b>							
5:15pm – 6:00pm		DBRoAST Workshop Section #2			Tutorial #2 Session #3			Tutorial #4 Session #3
6.30pm – 8.30pm	<b>Conference Reception</b>							

DAIS 2017 program is scheduled on 8/6 and 8/7 at Hotel Room: Ballroom IA

## The international speech session on visual perception and visual computing VPVC 2017

<http://iee-smartworld.org/2017/uic/>

In conjunction with IEEE UIC 2017  
Workshop Program (Room: Fremont)

Date: 8/4/2017

08:00am-05:30pm	<b>Registration</b>
07:30am-08:45am	<b>Conference Breakfast</b>
08:45am-09:00am	<b>Workshop Opening Remarks</b>
09:00am-10:30am	<b>Workshop Section #1</b> <b>Room: Fremont</b> <b>Session Chair: Lin Qi/Junyu Dong/Hui Yu</b>
	<b>Topic: Detecting Drowsiness and Gait Imbalance using RGB-D Sensor</b> Authors: Amol Patwardhan
	<b>Topic: Underwater Image Enhancement with Encoding- Decoding Deep CNN Networks</b> Authors: Xin Sun, Lipeng Liu, and Junyu Dong
	<b>Topic: A Novel Underwater De-scattering Method Based on Sparse Non-negative Matrix Factorization</b> Authors: Xiaopeng Liu, Hina Saeeda, and Junyu Dong
10:30am-11:00am	<b>Tea Break</b>
	<b>Workshop Section #2</b> <b>Room: Fremont</b> <b>Session Chair: Lin Qi/Junyu Dong/Hui Yu</b>
	<b>Topic: Augmenting Depth Estimation from Deep Convolutional Neural Network using Multi-Spectral Photometric Stereo</b> Authors: Yisong Luo, Hengchao Jiao, Lin Qi, Junyu Dong, Shu Zhang, and Hui Yu
	<b>Topic: Combining Encoded Structured Light and Photometric Stereo for Underwater 3D Reconstruction</b> Authors: Xu Li, Hao Fan, Lin Qi, Yijun Chen, Junyu Dong, and Xinghui Dong
	<b>Topic: Dynamic Long Short-Term Memory Network for Skeleton-Based Gait Recognition</b> Authors: Jie Li, Lin Qi, Aite Zhao, Xingnan Chen, and Junyu Dong
12:30pm-01:30pm	<b>Conference Lunch</b>
01:30pm-03:00pm	<b>Workshop Section #3</b> <b>Room: Fremont</b> <b>Session Chair: Lin Qi/Junyu Dong/Hui Yu</b>
	<b>Topic: An Evaluation of Convolutional Neural Networks on Material Recognition</b> Authors : Xiaowei Shang, Ying Xu, Lin Qi, and Junyu Dong
	<b>Topic: Face Recognition Algorithm Based on Multi-Scale CLBP</b> Authors: Jiakun Shi, Chunxiao Fan, Yue Ming, and Lei Tian
	<b>Diabetic Retinopathy Classification using Deeply Supervised ResNet</b> Authors: Debiao Zhang and Xiangqian Wu

The international workshop on disaster Resilience through big open data and smart things workshop  
(DRboast 2017)

<http://newslabx.csie.ntu.edu.tw/DRBoaST17/>

In conjunction with IEEE Smart World Conference 2017 (IEEE SWC2017)

Date: 8/4/2017

Workshop Program (Room: Fremont)

08:00am-05:30pm	Registration
07:30am-08:45am	Conference Breakfast
08:45am-09:00am	Workshop Opening Remarks
09:00am-10:30am	Workshop Section #1 Room: Fremont      Session Chair: jane W.S Liu/ Chi-Sheng Shi/Edward T.H Chu
	Topic: Disaster Scenario and Record Capture System Authors: Heng-Chih Hsieh, Hung-Fu Chen and Jane Win Shih Liu
	Topic: Distributed geospatial data infrastructure for heterogeneous disaster data integration and application Authors: Jibo Xie and Guoqing Li
	Topic: Data-Driven IoT Applications Design for Smart City and Smart Buildings Authors :Chi-Sheng Daniel Shih, Kuo-Hsiu Lee and Kwei-Jay Lin
05:00pm-05:15pm	Tea Break
05:15pm-06:00pm	Workshop Section #2 Room: Fremont      Session Chair: Jane W. S. Liu/Chi-Sheng Shi/Edward T. H. Chu
	Topic: Indoor Trapped-Victim Detection System Authors: Huang Pin-Rui and Edward Chu
	Topic: Tour Planning for Crowdsourcing Sensor Data Collection Authors: K. L. Yeh, J. W. S. Liu and E. T. H. Chu
6:30pm-8:30pm	Conference Reception

**The international Workshop on future trends in Computing System Technologies and applications (FUSION 2017)**

URL: <http://www.is.kyusan-u.ac.jp/hpcc/fusion2017/>

**In conjunction with IEEE UIC 2017**

**Date: 8/4/2017**

**Workshop Program (Room: Newark)**

<b>08:00am-05:30pm</b>	<b>Registration</b>
<b>07:30am-08:45am</b>	<b>Conference Breakfast</b>
<b>08:45am-09:00am</b>	<b>Workshop Opening Remarks</b>
<b>09:00am-10:30am</b>	<b>Workshop Section #1</b>
	Room: Newark Session Chair: Bernady O. Apduhan/Chin -Hsien Hsu/Rafel Santos/ Shangguang Wang
	Topic: A Developed Feature Selection Method for Classification Based on United Information Gain Authors: Kun Niu, Haizhen Jiao, Zhipeng Gao, Guangyu Yang, and Cheng Cheng
	Topic: A Context-Aware Recommendation System for Improving the Performance of Targeted Mobile Advertising Authors: Hongbin Yang and Elspeth McKay
	Topic: Leveraging Sentiment Analysis Techniques for Opinion Mining in Code-mixed Social Network Data Authors: Sowmya Kamath S, Pravalika Avvaru, Vishvesh Oza, and Meghana N P
<b>10:30am-11:00am</b>	<b>Tea Break</b>
<b>11:00am-12:30pm</b>	<b>Workshop Section #2</b>
	Room: Newark Session Chair: Bernady O. Apduhan/Chin-Hsien Hsu/Rafel Santos/Shangguang Wang
	Configuring the Relationship for the Organizational Goals Based on Ontology Framework Authors: Tengku Adil Tengku Izhar and Bernady O. Apduhan
	SDN Based QoS Aware Bandwidth Management Framework of ISP for Smart Homes Authors: Hung-Chin Jang and Jian-Ting Lin
	CoSMOS - A Context-Sensitive Model for Offloading System in Mobile Cloud Computing Authors: Flavio Akira Nakahara and Delano Medeiros Beder
<b>12:30pm- 01:30pm</b>	<b>Conference Lunch</b>

## International Workshop on Big data Applications for smart cities (BDASC 2017)

<http://covis.cse.unt.edu/bdasc.html>

in conjunction with IEEE International Conference on Smart City innovations (SCI 2017), August 4-8 ,2017

Date: 8/4/2017

Workshop Program (Room: Newark)

08:00am - 05:30pm	<b>Registration</b>
07:30am - 08:45am	<b>Conference Breakfast</b>
08:45am - 12:30pm	<b>Other Workshop Program</b>
12:30pm - 01:30pm	<b>Conference Lunch</b>
01:30pm - 01:45pm	<b>Workshop Opening Remarks</b>
01:45pm - 03:00pm	<b>Workshop Section #1</b>
	Room: Newark <span style="float: right;">Session Chair: Xiaohui Yuan</span>
	Topic: Exploring What Makes It a POI Authors: Talha Yilmaz, Pinar Karagoz and Yusuf Kavurucu
	Topic: An Optimal Method for Charging Station Location based on Big Data of SOC and Immune Algorithm Authors: Jian Xiong and Hong Gu
	Topic: Implementation of improved S-3PAKE protocol based on verifier Authors: Sujin Cai and Xin Lyu
03:30pm - 04:00pm	<b>Tea Break</b>
04:00pm - 05:30pm	<b>Workshop Section #2</b>
	Room : Newark <span style="float: right;">Session Chair : Xiaohui Yuan</span>
	Topic: A Survey on Quality Assurance Techniques for Big Data Applications Authors: Pengcheng Zhang, Xuewu Zhou, Jerry Gao, and Chuanqi Tao
	Topic: Research on Weight Optimization Particle Filter Algorithm in Low Altitude Target Tracking Authors: Hong-Hong Liu and Jianfang Shi
	Topic: Research on Inventory Forecasting Based on BP Neural network Authors: Lichuan Gu, Yueyue Han, Chengji Wang, Guiyang Shu, Juanjuan Feng and Chao Wang
06:30pm - 08:30pm	<b>Conference Reception</b>

## International Workshop on Smart and Sustainable City workshop (WSSC 2017)

<https://www.irit.fr/wssc2017/>

In conjunction with IEEE smart world Conference (IEEE SWC 2017), August 4-8, 2017

Workshop program (Room: Balentine)

Date 8/4/2017

08:00am - 05:30pm	<b>Registration</b>
07:30am - 08:45am	<b>Conference Breakfast</b>
08:45am - 09:00am	<b>Workshop Opening Remarks</b>
09:00am - 10:30am	<p style="text-align: center;"><b>Workshop Section #1</b> <span style="float: right;"><b>Room: Balentine</b></span></p> <p><b>Session Chair:</b> Nicolas Verstaevel/Emmanuel Dubois/Emmanuel Eveno/Bérangère Lartigue</p>
	<p><b>Topic:</b> Multidisciplinarity for biodiversity management on campus through citizen sciences</p> <p><b>Authors:</b> Bagnolini Guillaume, Da Costa George, Gerino Magali, Roth Mathias and Trân Cécile</p>
	<p><b>Topic:</b> Distribution Networks as Complex Dynamic Systems New Perspective for Monitoring Them</p> <p><b>Authors:</b> Alexandre Perles and Guy Camilleri</p>
	<p><b>Topic:</b> Pohang Living Lab: Utilizing Modeling and Simulation as a Collaboration Method</p> <p><b>Authors:</b> Changbeom Choi, Eun-Young Kim, Eun Ju Lee, Sang-Min Kim and Na-Gyum Lee</p>
10:30am -11:00am	<b>Tea Break</b>
11:00am -12:30pm	<p style="text-align: center;"><b>Workshop Section #2</b> <span style="float: right;"><b>Room: Balentine</b></span></p> <p><b>Session Chair:</b> Nicolas Verstaevel/Emmanuel Dubois/Emmanuel Eveno/Bérangère Lartigue</p>
	<p><b>Topic:</b> From Smart Campus to Smart Cities: Issues of the Smart Revolution</p> <p><b>Authors:</b> Nicolas Verstaevel, Jérémy Boes and Marie-Pierre Gleizes</p>
	<p><b>Topic:</b> Impact of eco-feedback on the behavior of campus users</p> <p><b>Authors:</b> Paul Piché, Elhadi Belghache, Nicolas Verstaevel and Berangere Lartigue</p>
	<p><b>Topic:</b> Adaptable equivalent circuit model for electrochemical storage elements as a part of energy system modeling for ZEB</p> <p><b>Authors:</b> Kolja Neuhaus, Corinne Alonso and Pierre-Louis Taberna</p>
12:30pm - 01:30pm	<b>Conference Lunch</b>
01:30pm - 03:00pm	<p style="text-align: center;"><b>Workshop Section #3</b> <span style="float: right;"><b>Room: Balentine</b></span></p> <p><b>Session Chair:</b> Nicolas Verstaevel/Emmanuel Dubois/Emmanuel Eveno/Bérangère Lartigue</p>
	<p><b>Topic:</b> Testing and Evaluation of Dynamic Energy Simulations for the development of an Intelligent Management of Energy for the ADREAM Smart Building</p> <p><b>Authors:</b> Ilias Papas, Bruno Estibals, Christelle Ecrepont and Corinne Alonsos</p>
	<p><b>Topic:</b> Designing the engaging Energy-Box Bridging the gap between energy control systems and users' energy awareness</p> <p><b>Authors:</b> Emmanuel Dubois and Fabio Pittarello</p>
03:00pm – 03:30pm	<b>Tea Break</b>
06:30pm – 08:30pm	<b>Conference Reception</b>

## International Workshop on high performance Big data Computing Workshop (DDC 2017)

in conjunction with IEEE Smart World Conference (IEEE SWC 2017), August 4-8, 2017

Date: 8/4/2017

workshop Program (room: Ballroom IA)

08:00am -05:30pm	<b>Registration</b>
07:30am -08:45am	<b>Conference Breakfast</b>
08:45am -09:00am	<b>Workshop Opening Remarks</b>
09:00am -10:30am	<b>Workshop Section #1</b> Room: Ballroom IA      Session Chair: Ashraf Gaffar/Angela Sodemann
	<b>Efficient Vehicle Visualization System for Safe Driving in VANETS</b> Authors: Taku Noguchi and Naoto Tanaka
	<b>Vibratory Haptic Feedback Assistive Device for Visually-Impaired Drivers</b> Authors: Daehan Wi, Angela Sodemann and Riley Chicci
	<b>A Biometric Usability Evaluation of Instrument Cluster and Infotainment Systems in two Hybrid Cars</b> Authors: Irfan Kula, Robert K. Atkinson, Rod D. Roscoe and Russel J. Branaghan
10:30am -11:00am	<b>Tea Break</b>
11:00am-12:30pm	<b>Workshop Section #2</b> Room: Ballroom IA      Session Chair: Ashraf Gaffar/Angela Sodemann
	<b>Why Functional Safety Experts Worry About Automotive Systems Having Increasing Autonomy</b> Authors: McDermid, Siddartha Khastgir and Gunwant Dhadyalla
	<b>Enabling Real-Time Internet-Of-People "4D" Mobile Applications</b> Authors: Junghyo Lee, Koosha Sadeghi, Javad Sohankar, Ayan Banerjee and Sandeep K. S. Gupta
	<b>Autonomous Trucking: The Interplay Between Design and Business Constraints</b> Authors: John D. Abbott, Ashraf Gaffar and Manju Bisht
12:30pm-01:30pm	<b>Conference Lunch</b>
01:30pm-03:00pm	<b>Workshop Section #3</b> Room: Ballroom IA      Session Chair : Ashraf Gaffar/ Angela Sodemann
	<b>Determinism in Future Cars: Why Autonomous Trucks are Easier to Design</b> Authors: Shokoufeh Monjezi Kouchak and Ashraf Gaffar
	<b>Undesign: Future Consideration on the End-of-Life of Driver Cars</b> Authors: Ashraf Gaffar and Shokoufeh Monjezi Kouchak
	<b>The Future of Brain-Computer Interaction - How Future Cars Will Interact With Their Passengers</b> Auhors: Giuseppe Edwardo Thum and Ashraf Gaffar
	<b>Social Dilemma of Autonomous Cars- A Critical Analysis</b> Authors: Auhors: Manju Bisht, John Abbott and Dr. Ashraf Gaffar
03:00pm – 03:30pm	<b>Tea Break</b>
03:30pm – 06:0pm	
06:30pm – 08:30pm	<b>Conference Reception</b>

**International Workshop on Adaptability, Dependability and Mobility in Dynamic Environment  
for complex systems (ADMCS 2017)**

<http://ieee-smartworld.org/2017/admcs/ADMCS.pdf>

in conjunction with IEEE Smart World Conference (IEEE CBCom2017), August 4-8, 2017

**Workshop Program (room: Ballroom IB)**

**Date: 8/4/2017**

08:00am-05:30pm	<b>Registration</b>
	<b>Conference Breakfast</b>
	<b>Other Workshop Program</b>
12:30pm - 01:30pm	<b>Conference Lunch</b>
01:30pm - 03:00pm	<b>Other Workshop Program</b>
03:00pm - 03:30pm	<b>Tea Break</b>
03:30pm - 05:30pm	<b>Workshop Section #1</b>
	<b>Room : Ballroom IB</b> <span style="float:right"><b>Session chair Jingtao sun/ Sisi Duan</b></span>
	<b>Topic: An Adaptive Policy-driven Middleware for Mobile Computing</b> <b>Authors:</b> Mingkang Chen and Jingtao Sun
	<b>Topic: An Application Meta-Model to Support the Execution and Benchmarking of Scientific Applications in Multi-Cloud Environments</b> <b>Authors:</b> Markus Ullrich, Jörg Läessig, Kento Aida, Jingtao Sun, Tomoya Tanjo and Martin Gaedke
	<b>Topic: Research on Highway Passenger Segmentation Based on Canopy-kmeans Clustering Algorithm under Parallel Computing Framework</b> <b>Authors:</b> Jun Ma, Shen Luo, Liuyang Wu, Guofu Luo, Xiaoke Li and Dong Zhang
	<b>Topic: Research on optimal allocation of manufacturing resource services in the cloud manufacturing environment</b> <b>Authors:</b> Guofu Luo, Zhongfei Zhang, Dayuan Wu, Xiaoke Li and Geng Liu
05:30pm-06:30pm	
06:30pm-08:30pm	<b>Conference Reception</b>



**International workshop on trusted Computing in Distributed and Hybrid Systems Workshop  
(CyberTrust 2017)**

[http://www.wnlab.com/news/ATC\\_2017\\_workshop.php](http://www.wnlab.com/news/ATC_2017_workshop.php)

in conjunction with IEEE The 14th IEEE International Conference on Advanced and Trusted Computing (IEEE ATC 2017), August 4-8, 2017

**Workshop Program (Room: Ballroom 1b) Date: 8/4/2017**

08:00am-05:30pm	<b>Registration</b>
07:30am-08:45am	<b>Conference Breakfast</b>
08:45am-09:00am	<b>Workshop Opening Remarks</b>
09:00am-10:30am	<b>Workshop Section #1</b>
	<b>Room: Ballroom IB</b> <b>Session Chair: Riccardo Lazzeretti/Hidayet Aksu</b>
	<b>Topic: Rapid Factorization of Composite Primes - An alternative to the sieve method</b> <b>Authors: André Brisson</b>
	<b>Topic: White noise Encryption Implementation with Increased Robustness to Side-Channel Attacks</b> <b>Authors: Mihai Sima and André Brisson</b>
	<b>Topic: Dynamic Distributed Key Infrastructures (DDKI) and Dynamic Identity Verification and Authentication (DIVA)</b> <b>Authors: André Brisson</b>
10:30am-11:00am	<b>Tea Break</b>
11:00am-12:30pm	<b>Workshop Section #2</b>
	<b>Room : Ballroom 1 B</b> <b>Session chair : Riccardo Lazzeretti/Hidayat Aksu</b>
	<b>Topic: Deterministic random number generation for one time pads - Creating a Whitenoise super key</b> <b>Authors: André Brisson</b>
	<b>Topic: Enhancing Transport Layer Security with Dynamic Identity Verification and Authentication (DIVA) -Maintaining and Enhancing SSL/TLS Reliability</b> <b>Authors: Laurie Perrin and Andre Brisson</b>
	<b>Topic: A Novel Spoofing Attack Against Electroencephalogram-Based Security System</b> <b>Authors: Koosha Sadeghi, Javad Sohankar, Ayan Banerjee and Sandeep K. S. Gupta</b>
12:30pm-01:30pm	<b>Conference Lunch</b>
01:30pm-03:00pm	<b>Workshop Section #3</b>
	<b>Room : Ballroom IB</b> <b>Session chair : Riccardo Lazzeretti/ Hidayat Aksu</b>
	<b>Topic: Systematic Analysis of Liveness Detection Methods in Biometric Security Systems</b> <b>Authors: Javad Sohankar, Koosha Sadeghi, Ayan Banerjee and Sandeep K. S. Gupta</b>
	<b>Topic: A Cyber-Physical Approach to Trustworthy Operation of Health Monitoring Systems</b> <b>Authors: Krishna K. Venkatasubramanian, Ayan Banerjee, Sandeep K.S. Gupta and Robert J. Walls</b>
06:30pm-08:30pm	<b>Conference Reception</b>

## International workshop on data science and computational Intelligence (DSCI 2017)

In conjunction with IEEE UIC 2017 (<http://dsci2016.weebly.com>)

Date: 8/4/2017

08:00am-05:30pm	<b>Registration</b>
07:30am-08:45am	<b>Conference Breakfast</b>
08:45am-09:00am	<b>Workshop Opening Remarks</b>
09:00am-10:30am	<b>Workshop Section #1</b>
	Room: Cedar    Session Chair: Muhammad Atif Qureshi/Fei Hao/Shuai Li
	Topic: Mining Techniques for Data Envelopment Analysis Result: a Case of Hospitals Efficiency Authors: Hassan Najadat Abdullateef Rabab'ah and Omar Badarneh Izzat Alsmadi
	Topic: Detection of Fake Followers using Feature Ratio in Self-Organizing Maps Authors: Nitin T Simon and Susan Elias
	Image Deblurring Authors: Hwei-Jen Lin, Fu-Wen Yang, and Hua Chuang
10:30am-11:00am	<b>Tea Break</b>
11:00am-12:30pm	<b>Workshop Section #2</b>
	Room: Cedar    Session Chair: Muhammad Atif Qureshi/Fei Hao/Shuai Li
	Topic: Mining Techniques for Data Envelopment Analysis Result: a Case of Hospitals Efficiency Authors: Hassan Najadat Abdullateef Rabab'ah and Omar Badarneh Izzat Alsmadi
	Topic: Detection of Fake Followers using Feature Ratio in Self-Organizing Maps Authors: Nitin T Simon and Susan Elias
	Topic: Image Deblurring Authors: Hwei-Jen Lin, Fu-Wen Yang, and Hua Chuang
12:30pm-01:30pm	<b>Conference Lunch</b>
01:30pm-03:00pm	<b>Workshop Section #3</b>
	Room: Cedar    Session Chair: Muhammad Atif Qureshi/Fei Hao/Shuai Li
	Topic: Parallel DNNs for Users and Items Modeling and Recommendation Using Comments Authors: Weiqiang Yuan, Yujia Yang, and Xianyu Bao
	Topic: Performance Evaluation of Top-k Sequential Mining Methods on Synthetic and Real Datasets Authors: Abdus Salam and Asima Jamil
	Topic: A Comparison of College Faculty and Student Class Activity in an Online Learning Environment using Course Log Data Authors: Rodolfo C. Raga Jr and Jennifer D. Raga
03:00pm-03:30pm	<b>Tea Break</b>
03:30pm-05:00pm	<b>Workshop Section #4</b>
	Room: Cedar    Session Chair: Muhammad Atif Qureshi/Fei Hao/Shuai Li
	Topic: Application of Hierarchical Temporal Memory Theory for Document Categorization Authors: Deven Shah, Pinak Ghate, Manali Paranjape, and Amit Kumar
	Topic: Research on the Method of Cross-modal Affective Association in Audio-visual Authors: Hua Zhang, Jian Jiang, and Wei Jiang
	Topic: Solar Generation Forecasting by Recurrent Neural Networks Optimized by Levenberg-Marquardt Algorithm Authors: Shahid M. Awan, Zubair A. Khan, and Muhammad Aslam
06:30pm-08:30pm	<b>Conference Reception</b>

**International Workshop on Distributed Analytics Infra structure and algorithms for multi organization federations (DAIS 2017)**

<https://dais-ita.org/dais2017>

In conjunction with IEEE smart world conference (IEEE SWC 2017), August 4-8, 2017

Date: 8/6/2017

Workshop Program (Room: Ballroom 1A)

8/6/2017 (Day 1)

08:00am -05:30pm	<b>Registration</b>
07:30am -08:45am	<b>Conference Breakfast</b>
08:45am-09:00am	
09:00am-10:30am	<b>Workshop section #1</b> <b>Room : Ballroom IA</b> <b>Session Chair : Bongjun Ko (IBM)</b>
	<b>Topic: Bringing SDN to the Mobile Edge</b> <b>Authors:</b> Authors:Konstantinos Poularakis, Qiaofeng Qin, Erich Nahum, Miguel Rio and Leandros Tassiulas
	<b>Topic: SFP: Toward a Scalable, Efficient, Stable Protocol for Federation of Software Defined Networks</b> <b>Authors:</b> Franck Le, Christopher Leet, Christian Makaya, Miguel Rio, Xin Wang and Y. Richard Yang
	<b>Topic: Unicorn: Unified Resource Orchestration for Multi-Domain, Geo-Distributed Data Analytics</b> <b>Authors:</b> Authors: Qiao Xiang, Shenshen Chen, Kai Gao, Harvey Newman, Ian Taylor, Jingxuan Zhang and Yang Richard Yang
10:30am-11:00am	<b>Tea Break</b>
11:00am-12:30pm	<b>Workshop Section #2</b> <b>Room : Ballroom IA</b> <b>Session chair : Elisa Bertino (Purdue)</b>
	<b>Topic: Generative Policy Model for Autonomic Management</b> <b>Authors:</b> D. Verma, S. Calo, S. Chakraborty, E. Bertino, C. Williams, J. Tucker and B. Rivera
	<b>Topic: Interpretability of Deep Learning Models: A Survey of Results</b> <b>Authors:</b> Supriyo Chakraborty, Richard Tomsett, Ramya Raghavendra, Daniel Harborne, Moustafa Alzantot, Frederico Cerutti, Mani Srivastava, Alun Preece, Simon Julier, Raghuvveer M. Rao, Troy D. Kelley, Dave Braines, Murat Sensory, Christopher J. Willis and Prudhvi Gurram
	<b>Topic: A Conceptual Framework of Group Evolution: Considerations for Decision Makers and Analysts</b> <b>Authors:</b> Grace-Rose Williams, Jared Somerville, Peter Johnson and Rachel K Bellamy
12:30pm-01:30pm	<b>Conference Lunch</b>
01:30pm-03:00pm	<b>Workshop Section #3</b> <b>Room: Ball room 1A</b> <b>session chair : Dinesh Verma (IBM)</b>
	<b>Topic: Next Generation Firewalls for Dynamic Coalitions</b> <b>Authors:</b> Saritha Arunkumar, Stephen Pipes, Christian Makaya, Elisa Bertino, Erisa Karafili, Emile Lupu and Chris Williams
	<b>Topic: Argumentation-based Policy Analysis for Drone Systems</b> <b>Authors:</b> Erisa Karafili, Emil C. Lupu, Saritha Arunkumar and Elisa Bertino
	<b>Topic: Verification Techniques for Policy based Systems</b> <b>Authors:</b> Authors: Erisa Karafili, Stephen Pipes and Emil C. Lupu
03:00pm-03:30pm	<b>Tea Break</b>

03:30am-05:00pm	<b>Workshop Section #4</b> <b>Room: Ballroom 1A</b> <b>Session Chair: Shiqiang Wang (IBM)</b>
	<b>Topic: Opportunities and Challenges for Named Data Networking to Increase the Agility of Military Coalitions</b> <b>Authors:</b> Christopher Gibson, Pablo Bermell-Garcia, Kevin Chan, Bongjun Ko, Alexander Afanasyev and Lixia Zhang
	<b>Topic: Data Distribution and Scheduling for Distributed Analytics Tasks</b> <b>Authors:</b> Stephen Pasteris, Shiqiang Wang, Mark Herbster, Kevin Chan and Christian Makaya
	<b>Topic: Physics-Inspired Models for Agile Code and Data in Federated Edges</b> <b>Authors:</b> Bongjun Ko, Brent Kraczek, Theodoros Salonidis, Prithwish Basu, Kevin S. Chan, Thomas La Porta and Andreas Martens
05:00pm-06:30pm	<b>Shared Poster Session</b>
06:30pm-08:30pm	<b>Conference Banquet</b>

### 8/7/2017 (Day 2)

08:00am-05:30pm	<b>Registration</b>
07:30am-08:45am	<b>Conference Breakfast</b>
09:00am-10:30am	<b>Workshop Section #5</b>
	<b>Room: Ballroom 1A</b> <b>Session Chair: Gavin Pearson(Dstl)</b>
	<b>Topic: Collective Capability in Multi Agency Services</b> <b>Authors:</b> Peter Johnson, Hary Daniels and Grace Williams
	<b>Topic: Decision-Making in Policy Governed Human-Autonomous Systems Teams</b> <b>Authors:</b> Diane Felmlee, Emil Lupu, Cassie McMillan, Erisa Karafili and Elisa Bertino
	<b>Topic: Towards an Architecture for Policy-Based Management of Software Defined Coalitions</b> <b>Authors:</b> C. Williams, E. Bertino, D. Verma, S. Calo, K. Leung and C. Dearlove
10:30am - 11:00am	<b>Tea Break</b>
11:00am – 12:30pm	<b>Workshop Section #6</b>
	<b>Room: Ballroom 1A</b> <b>Session Chair: Diane Felmlee (Penn State)</b>
	<b>Topic: Parameterizing the Dynamics of Inter-Group Conflict from Real World Data</b> <b>Authors:</b> Liam D. Turner, Gualtiero B. Colombo, Roger M. Whitaker and Diane Felmlee
	<b>Topic: Influence Maximisation beyond Organisational Boundaries</b> <b>Authors:</b> Sebastian Stein, Soheil Eshghi, Setareh Maghsudi, Leandros Tassiulas, Rachel K. E. Bellamy and Nicholas R. Jennings
	<b>Topic: Mathematical Models for Social group Behavior</b> <b>Authors:</b> Authors: Soheil Eshghi, Grace-Rose Williams, Gualtiero B. Colombo, Liam D. Turner, David G. Rand, Roger M. Whitaker and Leandros Tassiulas
12:30pm-01:30pm	<b>Conference Lunch</b>
01:30pm-03:00pm	<b>Workshop Section #7</b>
	<b>Room: Ballroom 1A</b> <b>Session Chair: Alun Preece (Cardiff University)</b>
	<b>Topic: Decentralized Microservice Workflows for Coalition Environments</b> <b>Authors:</b> Chris Simpkin, Ian Taylor, Graham A Bent, Geeth Ranmal de Mel and Swati Rallapalli
	<b>Topic: Distributed Opportunistic Sensing and Fusion for Traffic Congestion Detection</b> <b>Authors:</b> Alistair Nottle, Daniel Harborne, Dave Braines, Moustafa Alzantot, Santiago Quintana-Amate, Richard Tomsett, Lance
	<b>Topic: Cognitive Computing for Coalition Situational Understanding</b> <b>Authors:</b> Alun Preece, Frederico Cerutti, Dave Braines, Supriyo Chakraborty and Mani Srivastava
03:00pm-03:30pm	<b>Tea Break</b>