Conference Program

SOSE 2016
The 10th International IEEE Symposium On Service-Oriented System Engineering

MobileCloud 2016
4th IEEE International Conference on Mobile Cloud Computing, Services, and Engineer

BigDataService 2016
The 2nd IEEE International Conference On Big Data Computing Service And

ISCC 2016
IEEE 2016 International Symposium on Creative Computing

ISSC 2016
IEEE 2016 International Symposium on Software Crowdsourcing

Exeter College, Oxford, UK; March 29 - April 1, 2016

Program at A Glance

Date/Time	Activity	Saskatchewan Room	Quarrell Room	Rectors Drawing Room	Morris Room	Stapeldon Room
				Room/Location		
28-Mar						
15:00 - 18:00	Registration (Rector's Dinning room)					
19:00 - 21:00	Organisers' Dinner					
29-Mar						
08:00 -- 18:00	Registration (Quarrell Room / 10:00 Rector's Dinning Room)					
8:00 - 9:00	Breakfast					
9:00 - 9:45	Opening	Opening				
9:45 - 10:45	Plenary Keynote 1	Prof. Jianhua Ma, "Cybermatics for Cyberization Towards Cyber-enabled Hyper Worlds."				
10:45 - 11:00	Tea/Coffee break (JCR)					
11:00 - 12:30	Parallel Sessions	BigDataService 1	SOSE 1	MobileCloud 1	ISCC 1	BlockChain 1
12:30 - 13:30	Lunch					
13:30 - 14:30	Plenary Keynote 2	Prof. Geyong Min, "Analytical Modelling and Quality-of-Service of Multi-Service Communication Networks"				
14:30 - 16:00	Parallel Sessions	BigDataService 2	SOSE 2	MobileCloud 2	ISCC 2	BlockChain 2
16:00 - 16:30	Tea/Coffee break (JCR)					
16:30 - 18:00	Parallel Sessions (5 Sessions)	BigDataService 3	SOSE 3	MobileCloud 3 (panel)	ISCC 3	BlockChain 3
18:30 - 21:00	Reception (drink from 18:30 Fellows Garden/Chaple, Dinner from 19:00)					
30-Mar						
8:00 - 9:00	Breakfast					
9:15 - 10:30	Plenary Keynote 3	Prof. Vincenzo Piuri, "Dependable and Resilient Cloud Computing"				
10:30 - 11:00	Tea/Coffee break (JCR)					
11:00 - 12:30	Parallel Sessions	BigDataService 4	SOSE 4	MobileCloud 4	ISCC 4	VT 1
12:30 - 13:30	Lunch					
13:30 - 14:30	Plenary Keynote 4	Prof. Paolo Bellavista, "Mobile Cloud Networking: Lessons Learnt, Open Research Directions, and Industrial Inn				
14:30 - 16:00	Parallel Sessions	BigDataService 5	SOSE 5	MobileCloud 5	ISCC 5 (panel)	VT 2
16:00 - 16:30	Tea/Coffee break (JCR)					
16:30 - 18:00	Plenary Panel	Panel 1 (TBD)				
19:00 - 21:00	Dinner					
31-Mar						
8:00 - 9:00	Breakfast					
9:15 - 10:30	Plenary Keynote 5	Dr. Jeffery Voas, "Building Blocks of the Internet of Things"				
10:30 - 11:00	Tea/Coffee break (JCR)					
11:00 - 12:30	Parallel Sessions	BigDataService 6	SOSE 6	MobileCloud 6	ISSC 1	BigDataService 7
12:30 - 13:30	Lunch					
13:30 - 14:30	Plenary Keynote 6	Prof. Mark Harman, "Applications and Opportunities for Crowdsourcing in Software Engineering"				
14:30 - 16:00	Parallel Sessions	BigDataService 8	SOSE 7	SOSE 8	ISSC 2	VT 3
16:00 - 16:30	Tea/Coffee break (JCR)					
16:30 - 18:00	Plenary Panel	Panel 2 (TBD)				
18:00 - 18:45	Best Paper Awards/Planning for 2017					
19:00 - 22:00	Banquet (Pre-dinner Drink from 19:00 Fellows Graden/Chaple, Meal with drink from 19:30)					
01-Apr						
8:00 - 9:00	Breakfast					
9:15 - 10:30	Plenary Keynote 7	Keynote 7				
10:30 - 11:00	Tea/Coffee break (JCR)					
11:00 - 12:30	Parallel Sessions	BigDataService 9	SOSE 9	EC 1	VT 4	BlockChain 4
12:30 - 13:30	Lunch					
13:30 - 14:30	Plenary Keynote 8	Keynote 8				
14:30 - 16:00	Parallel Sessions	BigDataService 10	SOSE 10	EC 2 (workshop keynot	VT 5	BlockChain 5
16:00 - 16:30	Closing + Tea/Coffee break (JCR)					
16:30 - 18:00	Social Event (Tour of Oxford)					
19:00 - 21:00	Victory Party					

SOSE 2016 Program

Date/Time	Activity (Room/Location)	Title
29th March		
9.00 - 9.45	Opening	
9.45 - 10.45	Keynote 1	Prof. Jianhua Ma, "Cybermatics for Cyberization Towards Cyber-enabled Hyper Worlds."
10.45 - 11.00	Tea/Coffee break	
11.00 - 12.30	**SOSE 1 (Quarrell Room)**	**Web Services; Session Chair: Nick Antonopoulos**
		Søren Aagaard Mikkelsen, Rune Hylsberg Jacobsen and Anders Franz Terkelsen: "DB&A: An Open Source Web Service for Meter Data Management"
		Thiago Gottardi and Rosana Braga: "Model-Oriented Web Services"
		Dongmei Liu, Xian Wu, Xin Zhang, Hong Zhu and Ian Bayley: "Monic Testing of Web Services Based on Algebraic Specifications"
12:30 - 13:30	Lunch	
13:30 - 14:30	Keynote 2	Prof. Geyong Min, "Analytical Modelling and Quality-of-Service of Multi-Service Communication Networks"
14:30 - 16:00	**SOSE 2 (Quarrell Room)**	**Languages, Semantics and Algorithms ; Session Chair: Ashiq Anjum**
		Chengzhi Xu, Hong Zhu, Ian Bayley, David Lightfoot, Mark Green and Peter Marshall: "CAOPLE: A Programming Language for Microservices SaaS"
		John Panneerselvam, Lu Liu, Nick Antonopoulos and Marcello Trovati: "Latency Aware Analysis of the Cloud Workloads for Reducing Excess Energy Consumptions at Cloud Datacentres"
		Tefeng Chen and Bo Li: "Distributed Graph Partitioning Algorithm for Processing Large Graphs"
16:00 - 16:30	Tea/Coffee break	
16:30 - 18:00	**SOSE 3 (Quarrell Room)**	**Services in Cloud; Session Chair: Lu Liu**
		Mary-Jane Sule, Maozhen Li and Gareth Taylor: "Modeling Trust in Cloud Computing"
		Muhammad Kazim and David Evans: "Threat Modelling for Services in Cloud"
		Peng Hao, Liu Zhe, Jie Shen, Li Xue, Chen Hanteng, Li Jianxin and Lu Liu: "Eagle: An Agile Approach to Automaton Updating in Cloud Security Services"
18:30 - 21:00	Reception	Drink from 18:30 at Fellows Garden/Chaple, Dinner from 19:00
30th March		
9:15 - 10:30	Keynote 3	Prof. Vincenzo Piuri, "Dependable and Resilient Cloud Computing"
10.45 - 11.00	Tea/Coffee break	
11:00 - 12:30	**SOSE 4 (Quarrell Room)**	**Selection, Federation and Implementation; Session Chair: Donggang Cao**
		Omer Rana, Javier Diaz-Montes, Ioan Petri and Manish Parashar: "Leveraging In-transit Computational Capabilities in Federated Ecosystems"
		Wei-Tek Tsai, Wu Li and Guanqiu Qi: "LTBD: A Traige Framework"
		Matthias Geiger, Simon Harrer, Jörg Lenhard and Guido Wirtz: "On the Evolution of BPMN 2.0 Support and Implementation"
12:30 - 13:30	Lunch	
13:30 - 14:30	Keynote 4	Prof. Paolo Bellavista, "Mobile Cloud Networking: Lessons Learnt, Open Research Directions, and Industrial Innovation Opportunities"
14:30 - 16:00	**SOSE 5 (Quarrell Room)**	**Applications and Approaches for SOC; Session Chair: David Evans**
		Wei Cui, Hanglong Zhan, Bao Li, Wang Hu and Donggang Cao: "Cluster as a Service: a Container based Cluster Sharing Approach with Multi-user Support"
		Zhi-Yuan Li, Pan-Pan Wu and Yue Song: "Intermittent Data Dissemination Using Node Forwarding Capability Estimation in Vehicle Delay Tolerant Networks"
		Yuvraj Sahni, Jiannong Cao and Xuefeng Liu: "MidSHM: A Flexible Middleware for SHM Application Based on Service-Oriented Architecture"
		Hongyan Tang, Ying Li, Tong Jia, Xiaoyong Yuan and Zhonghai Wu: "Time Series Based Killer Task Online Recognition Service: A Google Cluster Case Study"
16:00 - 16:30	Tea/Coffee Break	
16:30 - 18:00	Plenary Panel	
19:00 - 21:00	Dinner	
31th March		
	Keynote 5	Dr. Jeffery Voas, "Building Blocks of the Internet of Things"
9:15 - 10:30	Tea/Coffee Break	
10:30 - 11:00	**SOSE 6 (Quarrell Room)**	**Multimedia and Streaming Services; Session Chair: Lu Liu**
11:00 - 12:30		Haozhe Wang, Geyong Min, Jia Hu and Wang Miao: "Performance evaluation of Information-Centric Networking for Multimedia Service"
		Muhammad Usman Yaseen, Muhammad Sarim Zafar, Ashiq Anjum and Richard Hill: "High Performance Video Processing in Cloud Data Centres"
		Michael Vögler, Johannes Schleicher, Christian Inzinger, Bernhard Nickel and Schahram Dustdar: "Non-Intrusive Monitoring of Stream Processing Applications"
		Jia Ke, Xiao-Jun Chen, Baoding Chen, Manrong Wang, Wenxin Wang, Xiao-Bo Chen, Qian-Qian Zhang, Xin-Ping Song and Xiao-Ming Jiang: "Complex Event Detection in Video Streams"
	Lunch	
12:30 - 13:30	Keynote 6	Prof. Mark Harman, "Applications and Opportunities for Crowdsourcing in Software Engineering"
13:30 - 14:30	**SOSE 7 (Quarrell Room)**	**Mobile Services and Data Analysis; Session Chair: Ashiq Anjum**
14:30 - 16:00		Yongjun Zheng: "Innovative Crowdsourcing Mobile app for Curriculum Design: Specification for a Prototype Mobile Application"
		Darpan Triboan, Liming Chen and Feng Chen: "Towards a Mobile Assistive System Using Service-oriented Architecture"
		Xiao-Jun Chen, Jia Ke, Baoding Chen, Manrong Wang, Wenxin Wang, Xiao-Bo Chen, Qian-Qian Zhang, Xin-Ping Song and Xiao-Ming Jiang: "Hypergraph Partitioning for Video Event Detection"

14:30 - 16:00	**SOSE 8 (Rectors Drawing Room)**	**Semantic Web Services; Session Chair: David Evans**
		Steven Blakowski and Philipp Brune: "May the Ontologies Be With You! Towards a User-Friendly Web-Based Editor for Semantic Web Service Description" Dongmei Liu, Yunfei Yang, Ying Chen, Hong Zhu, Ian Bayley and Arantz Aldea: "Evaluating the Ontological Semantic Description of Web Services Generated from Algebraic Specifications" Júnio Lima, Fábio Costa and Ricardo C. A. Da Rocha: "An Approach for QoS-Aware Selection of Shared Services for Multiple Service Choreographies"
16:00 - 16:30	Tea/Coffee Break	
16:30 - 18:00	Plenary Panel	(TBD)
18:00 - 18:45	Planning meeting	Best Paper Awards/Planning for 2017
19:00 - 21:00	Banquet	Pre-dinner Drink from 19:00 at Fellows Graden/Chaple, Meal with drink from 19:30

1st April		
9:15 - 10:30	Keynote 7	
10:30 - 11:00	Tea/Coffee Break	
11:00 - 12:30	**SOSE 9 (Quarrell Room)**	**Short papers; Session Chair: Yongjun Zheng**
		Mahy Aly, Michael Franke, Moritz Kretz, Folker Schamel and Pieter Simoens: "Service Oriented Interactive Media (SOIM) Engines Enabled by Optimized Resource Sharing" Gabriel Nikol, Michael Träger, Simon Harrer and Guido Wirtz: "Service-oriented Multi-tenancy (SO-MT): Enabling Multi-tenancy for Existing Service Composition Engines with Docker" Mark Anderson and Joseph Bolton: "Integrating Sensor Devices in a Service Oriented Framework: A Retail Environment Case Study"
12:30 - 13:30	Lunch	
13:30 - 14:30	Keynote 8	
14:30 - 16:00	**SOSE 10 (Quarrell Room)**	**Tutorial;** Marcos Massoud Yassa: "Bioinformatics Analysis and Management Framework "
16:00 - 16:30	Closing + Tea/Coffee break (JCR)	
16:30 - 18:00	Social Event (Tour of Oxford)	
19:00 - 21:00	Victory Party	

MobileCloud 2016 Program

Date/Time	Activity	Program
28-Mar		
15:00 - 18:00	Registration (Rector's Dinning room)	
19:00 - 21:00	Organisers' Dinner	
29-Mar		
08:00 -- 18:00	Registration (Quarrell Room / 10:00 Rector's Dinning Room)	
8:00 - 9:00	Breakfast	
9:00 - 9:45	Opening	Opening
9:45 - 10:45	Plenary Keynote 1	Prof. Jianhua Ma, "Cybermatics for Cyberization Towards Cyber-enabled Hyper Worlds."
10:45 - 11:00	Tea/Coffee break (JCR)	
11:00 - 12:30	Parallel Sessions	**MobileCloud 1: Frameworks and Middleware for Mobile Cloud Applications (Rectors Drawing Room)**
		Sen Yang, Xiangshun Bei, Yongbing Zhang and Yusheng Ji: "Application Offloading based on R-OSGi in Mobile Cloud Computing."
		Mohammad Khan, Hillol Debnath, Nafize Paiker, Narain Gehani, Nafize Paiker, Xiaoning Ding, Reza Curtmola, and Cristian Borcea: "Moitree: A Middleware for Cloud-Assisted Mobile Distributed Apps."
		Michael O'Sullivan and Dan Grigoras: "Context Aware Mobile Cloud Services: A User Experience Oriented Middleware for Mobile Cloud Computing."
12:30 - 13:30	Lunch	
13:30 - 14:30	Keynote 2	Prof. Geyong Min, "Analytical Modelling and Quality-of-Service of Multi-Service Communication Networks"
14:30 - 16:00	Parallel Sessions	**MobileCloud 2: Energy and Other Resources in the Mobile Cloud (Rectors Drawing Room)**
		Elhadj Benkhelifa, Thomas Welsh, Loai Tawalbeh, Fahd Al-Dosari, Abdallah Khreishah and Yaser Jararweh.: "GA-Based Resource Augmentation Negotiation for Energy-Optimised Mobile Ad-hoc Cloud"
		Stefania Farrugia.: "Mobile Cloud Computing Techniques for Extending Computation and Resources in Mobile Devices"
		Chengke Wang, Peng Shen, Yao Guo, Xiangqun Chen and Yunnan Xu: " Standby Energy Analysis and Optimization for Smartphones"
16:00 - 16:30	Tea/Coffee break	
16:30 - 18:00	Parallel Sessions	**MobileCloud 3 (Panel & Posters) (Rectors Drawing Room)**
18:30 - 21:00	Reception (drink from 18:30 Fellows Garden/Chaple, Dinner from 19:00)	
30-Mar		
8:00 - 9:00	Breakfast	
9:15 - 10:30	Keynote 3	Prof. Vincenzo Piuri, "Dependable and Resilient Cloud Computing"
10:30 - 11:00	Tea/Coffee break (JCR)	
11:00 - 12:30	Parallel Sessions	**MobileCloud 4: Security, Trust & Risk (Rectors Drawing Room)**
		Amit Chopra, P.W.C. Prasad, Abeer Alsadoon, Salih Ali and Amr Elchouemi: "Cloud Computing Potability with Risk Assessment"
		Andreas Reiter and Thomas Zefferer: "Flexible and Secure Resource Sharing for Mobile Augmentation Systems"
		Kazutshuna Yamaji, Motonori Nakamura, Yasuhiro Nagai, Tomohiro Ito, Hiroyuki Sato: "Specifying a Trust Model for Academic Cloud Services"
12:30 - 13:30	Lunch	

Dharma Rajan: "Common Platform Architecture for Network Function Virtualization deployments"

16:00 - 16:30	Tea/Coffee break (JCR)	
16:30 - 18:00	Plenary Panel	(TBD)
19:00 - 21:00	Dinner	

31-Mar

8:00 - 9:00	Breakfast	
9:15 - 10:30	Keynote 5	Dr. Jeffery Voas, "Building Blocks of the Internet of Things"
10:30 - 11:00	Tea/Coffee break	
11:00 - 12:30	Parallel Sessions	**MobileCloud 6: Mobile Cloud Applications (Rectors Drawing Room)** Milind Bhavsar, Prudhvi Kosaraju, Gopal Ananthakrishnan, Gurudas Subray Shet and Saurav Anand: "Dynamic Improvements in a Cloud-based Speech Recognition Engine by Incorporating Trending Data" Praseetha V. M. and Vadivel S. : "Face Extraction using Skin color and PCA Face Recognition in a Mobile Cloudlet Environment"
12:30 - 13:30	Lunch	
13:30 - 14:30	Plenary Keynote 6	Prof. Mark Harman, "Applications and Opportunities for Crowdsourcing in Software Engineering"
14:30 - 16:00	Parallel Sessions	
16:00 - 16:30	Tea/Coffee break	
16:30 - 18:00	Plenary Panel	(TBD)
18:00 - 18:45	Best Paper Awards/Planning for 2017	
19:00 - 22:00	Banquet (Pre-dinner Drink from 19:00 at Fellows Graden/Chaple, Meal with drink from 19:30)	

01-Apr

16:00 - 16:30	Closing + Tea/Coffee break
16:30 - 18:00	Social Event (Tour of Oxford)
19:00 - 21:00	Victory Party

BigDataService 2016 Program

Date/Time	Activity	Program
28-Mar		
15:00 - 18:00	Registration (Rector's Dinning room)	
19:00 - 21:00	Organisers' Dinner	
29-Mar		
08:00 -- 18:00	Registration (Quarrell Room / 10:00 Rector's Dinning Room)	
8:00 - 9:00	Breakfast	
9:00 - 9:45	Plenary Opening	Opening
9:45 - 10:45	Plenary Keynote 1	Prof. Jianhua Ma, "Cybermatics for Cyberization Towards Cyber-enabled Hyper Worlds."
10:45 - 11:00	Tea/Coffee break (JCR)	
11:00 - 12:30	Parallel Session	**BigDataService 1 (Saskatchewan Room)**
		Michael Phinney*, Sean Lander, Matt Spencer, Chi-Ren Shyu: "Cartesian Operations on 88 Distributed Datasets Using Virtual Partitioning"
		Jian Wei, Kai Chen*, Yi Zhou, Qu Zhou, Jianhua He: "Benchmarking of Distributed Computing 39 Engines Spark and GraphLab for Big Data An"
		Mohiuddin Solaimani, Rajeevardhan Gopalan, Latifur Khan*, Patrick T. Brandt, Bhavani 52 Thuraisingham: "Spark-based Political Event Coding"
		Adewole Conrad Ogunyadeka*, Muhammad Younas, Hong Zhu, Arantza Aldea: "A Multi-Key 90 Transactions Model for NoSQL Cloud Database Systems"
12:30 - 13:30	Lunch	
13:30 - 14:30	Plenary Keynote 2	Prof. Geyong Min, "Analytical Modelling and Quality-of-Service of Multi-Service Communication Networks"
14:30 - 16:00	Parallel Session	**BigDataService 2 (Saskatchewan Room)**
		Alfredo Kalaitzis*, Maria Ivanova Gorinova, Yoad Lewenberg, Yoram Bachrach, Michael Fagan*, 38 Dean Carignan,Nitin Gautam: "Predicting Gaming Related Properties from Twitter Profiles"
		Svitlana Volkova, Yoram Bachrach*, Benjamin Van Durme: "Mining User Interests to Predict 11 Perceived Psycho-Demographic Traits on Twitter"
		Fotis Aisopos*, Dimitrios Tzannetos, John Violos, Theodora Varvarigou: "Using n-gram graphs for 49 sentiment analysis: an extended study on Twitter"
		Peiman Barnaghi*, Parsa Ghaffari, John G. Breslin: "Opinion Mining and Sentiment Polarity on 42 Twitter and Correlation Between Events"
16:00 - 16:30	Tea/Coffee break	
16:30 - 18:00	Parallel Session	**BigDataService 3 (Saskatchewan Room)**
		Ted Dunning, Charlie Frasure , Begoli, Edmon＊: "Real-Time Discovery Services over Large, 89 Heterogeneous and Complex Healthcare Data"
		Sam Ade Jacobs*,Aldo Dagnino: "Large-Scale Industrial Alarm Reduction and Critical Event 12 Mining Using Spark"
		Ke erqinhu*, Guanqiu Qi, Wei-Tek Tsai, Yi Hong, Wenxiang Wang, Guangxin Hou, Zhiqin Zhu: 84 "Fault-Diagnosis for Reciprocating Compressors Using Big Data"
18:30 - 21:00	Reception (drink from 18:30 Fellows Garden/Chaple, Dinner from 19:00)	
30-Mar		
8:00 - 9:00	Breakfast	
9:15 - 10:30	Plenary Keynote 3	Prof. Vincenzo Piuri, "Dependable and Resilient Cloud Computing"
10:30 - 11:00	Tea/Coffee break (JCR)	
11:00 - 12:30	Parallel Session	**BigDataService 4 (Saskatchewan Room)**
		Jing Su*, Oisin Boydell: "TopicListener: Observing Key Topics from Multi-Channel Speech Audio 33 Streams"
		Neha Bharill, Aruna Tiwari, Aayushi Malviya*: "Fuzzy Based Clustering Algorithms to Handle Big 5 Data with Implementation on Apach"
		Sandipan Ganguly*, Ashish Consul, Ali Khan, Brian Bussone, Jacqueline Richards, Alejandro 43 Miguel: "A Practical Approach to Hard Disk Failure Prediction in Cloud Platforms"
		Muhidin Mohamed*, Mourad Oussalah: "An Iterative Graph-based Generic Single and Multi 59 Document Summarization Approa"
12:30 - 13:30	Lunch	
13:30 - 14:30	Plenary Keynote 4	Prof. Paolo Bellavista, "Mobile Cloud Networking: Lessons Learnt, Open Research Directions, and Industrial Innovation Opportunities"
14:30 - 16:00	Parallel Session	**BigDataService 5 (Saskatchewan Room)**
		Mayy Habayeb, Behjat Soltanifar, Bora Caglayan*, Ayse Bener: "A novel point of interest (POI) 94 location based recommender system utilizing user"
		Davide Tosi*, Stefano Marzorati: "Big Data from Cellular Networks: Real Mobility Scenarios for 77 future Smart Cities"

	46		Arash Heidarian*, Michael J. Dinneen: "A Hybrid Geometric Approach for Measuring Similarity Level Among Documents and D"
16:00 - 16:30		Tea/Coffee break (JCR)	
16:30 - 18:00		Plenary Panel	Panel 1 (TBD)
19:00 - 21:00		Dinner	

31-Mar

8:00 - 9:00		Breakfast	
9:15 - 10:30		Plenary Keynote 5	Dr. Jeffery Voas, "Building Blocks of the Internet of Things"
10:30 - 11:00		Tea/Coffee break	
11:00 - 12:30		Parallel Session	**BigDataService 6 (Saskatchewan Room)**
	13		Maria T. Patterson*, Nikolas Anderson, Collin Bennett, Jacob Bruggemann, Robert Grossman, Matthew Handy, Vuong Ly, Dan Mandl, Shane Pederson, Jim Pivarski, Ray Powell, Jonathan Spring, Walt Wells: "The Matsu Wheel: A Cloud-based Framework for Efficient Analysis and Reanalysis o"
	86		Yaqiong Li, Petr Musilek, Edward Lozowski, Chaobo Dai, Tongxun Wang, Zhengang Lu*: "Temporal Uncertainty of Wind Ramp Predictions using probabilistic forecasting te"
	68		Hong Liu*, Ashwin Kumar TK, Johnson P Thomas, Xiaofei Hou: "Cleaning Framework for BigData -- --AN INTERACTIVE APPROACH FOR DATA CLEANING"
	32		Haripriya Ayyalasomayajula*, Edgar Gabriel*, Peggy Lindner, Daniel Price: "Air Quality Simulations using Big Data Programming Models"
11:00 - 12:30		Parallel Session	**BigDataService 7 (Stapeldon Room)**
	41		Paul Jones*, Sidharth Thakur, Steven Cox, Michael Matthews: "A Versatile Platform for Instrumentation of Knowledge Worker's Computers"
	47		Rezvan Pakdel* , John Herbert: "Efficient Cloud-Based Framework for Big Data Classification"
	36		Divya Rao*, Wee Keong Ng: "A user-centric approach to pricing information"
12:30 - 13:30		Lunch	
13:30 - 14:30		Plenary Keynote 6	Prof. Mark Harman, "Applications and Opportunities for Crowdsourcing in Software Engineering"
14:30 - 16:00		Parallel Session	**BigDataService 8 (Saskatchewan Room)**
	40		Paolo Ciancarini, Francesco Poggi*, Daniel Russo: "Big Data Quality: a Roadmap for Open Data"
	24		Hadeel T. El Kassabi*, Ikbal Taleb, Mohamed Adel Serhani, Rachida Dssouli: "Policy-based QoS enforcement for adaptive Big Data Distribution on the Cloud"
	79		Runhua Xu*, Remo Manuel Frey, Alexander Ilic: "Individual Differences and Mobile Service Adoption: An Empirical Analysis"
16:00 - 16:30		Tea/Coffee break	
16:30 - 18:00		Plenary Panel	Panel 2 (TBD)
18:00 - 18:45		Best Paper Awards/Plann	Awards/Planning
19:00 - 22:00		Banquet (Pre-dinner Drink from 19:00 Fellows Graden/Chaple, Meal with drink from 19:30)	

01-Apr

8:00 - 9:00		Breakfast	
9:15 - 10:30		Keynote 7	Keynote 7 (TBC)
10:30 - 11:00		Tea/Coffee break	
11:00 - 12:30		Parallel Session	**BigDataService 9 (Saskatchewan Room)**
	57		Vasily Sidorov*, Wee Keong Ng: "A Confidentiality-Preserving Search Technique for Encrypted Relational Cloud Data"
	29		Multiple Rounds Aware Power Analysis Attack for a Lightweight Cipher SIMECK
			Jonathan James Longstaff*: "Attribute Based Access Control for Big Data Applications by Query Modification"
12:30 - 13:30		Lunch	
13:30 - 14:30		Keynote 8	Keynote 8 (TBC)
14:30 - 16:00		Parallel Session	**BigDataService 10 (Saskatchewan Room)**
	53		Wen-Qi Fan , Chang-Dong Wang *, Jian-Huang Lai: "SDenPeak: Semi-Supervised Nonlinear Clustering based on Density and Distance"
			Marcello Trovati*, Philip Hodgson, Charlotte Hargreaves, Andrew David Baker, Lu Liu, Nik Bessis: "Dependency Networks Extractions from Textual Sources in Criminology: An Initial Implementation"
	21		Andleeb Shahnaz, Usman Qamar*, Abdul Wahab Muzaffar: "Building a core biomedical knowledge base"
	56		Chandrasekar Vuppalapati*,Anitha Ilapakurti,Santosh Kedari: "The Role of Big Data in creating Sense HER"
16:00 - 16:30		Closing + Tea/Coffee break	
16:30 - 18:00		Social Event (Tour of Oxford)	
19:00 - 21:00		Victory Party	

Forum on Vision of Service-Oriented Engineering Program

Date/Time	Program
30/03/16	
11:00 - 12:30	**VT 1: Digital Society (Stapeldon Room)**
	Hongji Yang*, Delin Jing, and Lu Zhang: "Creative Computing: An Approach to Knowledge Combination for Creativity?"
	Wei-Tek Tsai*: "Blockchain as a New System Research Topic"
14:30 - 16:00	**VT 2 : Cyber-Physical Systems and IoT (Stapeldon Room)**
	Wei Zhu, I-Ling Yen*, Farokh Bastani: "Rapid Service Composition Reasoning for Agile Cyber Physical Systems"
	Hiroyuki SATO*: "Establishing Trust in in the emerging era of IoT"
31/03/16	
14:30 - 16:00	**VT 3: Service Engineering (Stapeldon Room)**
	Bo Yuan, Lu Liu*, Nick Antonopoulos: "A Self-Organized Architecture for Efficient Service Discovery in Future Peer-to-Peer Online Social Networks"
	Paul Townend: "Future Challenges in Service Oriented Systems Engineering"
01/04/16	
14:30 - 16:00	**VT 4: BigData (Morris Room)**
	Jerry Gao*, Chuanqi Tao and Chuli Xie: "Validation and Quality Assurance for Big Data and Application Systems"
14:30 - 16:00	**VT 5: Cloud Computing (Morris Room)**
	Mona Eisa, Muhammad Younas*, Kashinath Basu, Hong Zhu: "Trends and Directions in Cloud Service Selection"
	Renyu Yang and Jie Xu*: "Computing at Massive Scale: Scalability and Dependability Challenges"

ISCC 2016 Program

Date/Time	Activity	Program
28-Mar		
15:00 - 18:00	Registration (Rector's Dinning room)	
19:00 - 21:00	Organisers' Dinner	
29-Mar		
08:00 -- 18:00	Registration (Quarrell Room / 10:00 Rector's Dinning Room)	
8:00 - 9:00	Breakfast	
9:00 - 9:45	Opening	Opening
9:45 - 10:45	Plenary Keynote 1	Prof. Jianhua Ma, "Cybermatics for Cyberization Towards Cyber-enabled Hyper Worlds."
10:45 - 11:00	Tea/Coffee break (JCR)	
11:00 - 12:30	Parallel Sessions	**ISCC 1: Game and Animation (Morris Room); Session Chair: Chien-Wen Cheng, National Taipei University of Technology, Taiwan**
		9 Ji Soo Lim* and Akira Baba: Content Analysis of Digital Games: From Cultivation Theory Perspective
		10 Tin-Kai Chen*, Pei-Chen, Chen, Wei-Cheng Wang, Pin-Chen Kuo: A User-centred Design Case Study of a Novel Animated Music Video Production (AMV)
		13 *Devanka Pathak*, Hongji Yang, Tin-Kai Chen, Jerry Fishenden and Alison Lee: Measuring Brain Signals to Evaluate the Role of Creativity in Interceptive Human Movement*
		15 *Fania Raczinski* and Dave Everitt: Creative Zombie Apocalypse: A Critique of Computer Creativity Evaluation*
12:30 - 13:30	Lunch	
13:30 - 14:30	Plenary Keynote 2	Prof. Geyong Min, "Analytical Modelling and Quality-of-Service of Multi-Service Communication Networks"
14:30 - 16:00	Parallel Sessions	**ISCC 2: Performance Art and Design Issues (Morris Room); Session Chair: Tin-Kai Chen, Shu-Te University, Taiwan**
		2 Ian Willcock*: Modelling Performance: Generic formal processes in live digital performance
		6 Chien-Wen Cheng*: Interactive Music System Design for Acoustic Instrument and Live Electronic Performance
		4 Chung-Shan Sun*: Discussing the Influence of Aging on Taiwan's Design Industry
16:00 - 16:30	Tea/Coffee break	
16:30 - 18:00	Parallel Sessions	**ISCC 3: New Space of Creative Computing (1) (Morris Room)**
		8 Wei Zhao*: Three Forms In One,To Create Higher Vocational Education Art Talents Training Space-Practical Exploration on the Organic Integration of Professional Form, Teaching Form, Environment Form
		14 Lu Zhang*, Lin Zou, Delin Jing and Hongji Yang: An Approach to Constructing A General Framework for Creative Computing: Incorporating Semantic Web
		1 Michael Yosep Ricky*: Fredy Purnomo and Budi Yulianto. Mobile Application Software Defect Prediction
18:30 - 21:00	Reception (drink from 18:30 Fellows Garden/Chaple, Dinner from 19:00)	
30-Mar		
8:00 - 9:00	Breakfast	
9:15 - 10:30	Plenary Keynote 3	Prof. Vincenzo Piuri, "Dependable and Resilient Cloud Computing"
10:30 - 11:00	Tea/Coffee break (JCR)	
11:00 - 12:30	Parallel Sessions	**ISCC 4: New Space of Creative Computing (2) (Morris Room)**
		16 Kaixu Liu*, Gianmario Motta, Tianyi Ma and Tao Guo: Multi-floor Indoor Navigation with Geomagnetic Field Positioning and Ant Colony Optimization Algorithm

58 Piotr Zawistowski*: The method of measurement and control systems design and validation with use of BRMS systems

5 Chao-Fu Yang* and Chung-Shan Sun: Exploring the Development of Computer Drawing in Graphic Design from a Technology Philosophy

12:30 - 13:30	Lunch	
13:30 - 14:30	Plenary Keynote 4	Prof. Paolo Bellavista, "Mobile Cloud Networking: Lessons Learnt, Open Research Directions, and Industrial Innovation Opportunities"
14:30 - 16:00	Parallel Sessions	**ISCC 5 (panel) (Morris Room); Session Chair: Prof Andrew Hugill, Bath Spa University, UK**
16:00 - 16:30	Tea/Coffee break (JCR)	
16:30 - 18:00	Plenary Panel	(TBD)
19:00 - 21:00	Dinner	

31-Mar

8:00 - 9:00	Breakfast	
9:15 - 10:30	Plenary Keynote 5	Dr. Jeffery Voas, "Building Blocks of the Internet of Things"
10:30 - 11:00	Tea/Coffee break	
11:00 - 12:30	*Parallel Sessions from co-located conferences*	
12:30 - 13:30	Lunch	
13:30 - 14:30	Plenary Keynote 6	Prof. Mark Harman, "Applications and Opportunities for Crowdsourcing in Software Engineering"
14:30 - 16:00	*Parallel Sessions from co-located conferences*	
16:00 - 16:30	Tea/Coffee break	
16:30 - 18:00	Plenary Panel	(TBD)
18:00 - 18:45	Best Paper Awards/Planning for 2017	
19:00 - 22:00	Banquet (Pre-dinner Drink from 19:00 Fellows Graden/Chaple, Meal with drink from 19:30)	

01-Apr

16:00 - 16:30	Closing + Tea/Coffee break
16:30 - 18:00	Social Event (Tour of Oxford)
19:00 - 21:00	Victory Party

ISSC 2016 Program

Date/Time	Activity	Program
31-Mar		
11:00 - 12:30	Parallel Sessions	**ISSC 1 (Morris Room)**
		Clemens Sauerwein, Matthias Gander, Michael Felderer and Ruth Breu: A Systematic Literature Review of Crowdsourcing-Based Research in Information Security
		Emese Bari, Matt Johnston, Wenjun Wu and Wei-Tek Tsai: Software Crowdsourcing Practices and Research Directions
		Nitin Naik: Crowdsourcing, Open-sourcing, Outsourcing and Insourcing Software Development: A Comparative Analysis
12:30 - 13:30	Lunch	
13:30 - 14:30	Plenary Keynote 6	Prof. Mark Harman, "Applications and Opportunities for Crowdsourcing in Software Engineering"
14:30 - 16:00	Parallel Sessions	ISSC 2
16:00 - 16:30	Tea/Coffee break	

Workshop EC 2016 Program

Room/Location: Rectors Drawing Room

Date/Time	Activity	Program
1st April		
11:00 - 12:30	**EC 1**	Session Chair: Shao Ying Zhu
		Augusto Ciuffoletti: "Teaching Networks in the Cloud"
		Md Israfil Biswas, Gerard Parr, Sally McClean, Philip Morrow and Bryan Scotney: "A practical Evaluation in Openstack Live Migration of VMs using 10Gb/s Interfaces"
		Ahmed I. Abdul-Rahman and Corey Graves: "Internet of Things Application using Tethered MSP430 to thingspeak Cloud"
14:30 - 16:00	**EC 2**	Keynote: Prof. Ashiq Anjum, "Big Data Analytics: An in-Memory Platform for High Performance Analytics in Clouds"