



IDCS 2015

The 8th International Conference on Internet and Distributed Computing Systems

September 2-4, 2015

Cumberland Lodge, The Great Park, Windsor, Berkshire, SL4 2HP, UK

Conference Program

The conference sessions will be held in the Flitcroft room, Mews Conference Centre, Cumberland Lodge. A map of the location is included at the end of this document.

Tuesday, September 1, 2015

<i>Time</i>	<i>Activity</i>
pm	Arrival: accommodation check-in at the reception of the Cumberland Lodge
18:00 – 18:30	Conference Registration
18.30 – 19:30	Bar opens
19:30 –	Dinner (*)

Wednesday, September 2, 2015

<i>Time</i>	<i>Activity</i>
08:00 – 09:00	Breakfast (*)
09:00 – 09:30	Conference Registration
09:30 – 09:35	Opening Remarks
09:35 – 11:00	Keynote presentation: "Coordination Mechanism in Multi-Layer Clouds: Architecture and Applications", Prof. Omer F. Rana
11.00 – 11:30	Coffee break
11:30 – 12:30	Session 1: IoT and Cloud Computing <ol style="list-style-type: none"> Task Execution in Distributed Smart Systems. <u>Uwe Jaenen</u>, Carsten Grenz, Sarah Edenhofer, Anthony Stein, Jürgen Brehm and Joerg Haehner. Urban Crowd Steering: an Overview. Claudio Borean, Roberta Giannantonio, Marco Mamei, Dario Mana, Andrea Sassi and <u>Franco Zambonelli</u>. Intra Smart Grid Management Frameworks for Control and Energy Saving in Buildings. <u>Antonio Guerrieri</u>, Jordi Serra, David Pubill, Christos Verikoukiss and Giancarlo Fortino.
12:30 – 14:00	Lunch (*)(**)
14:00 – 15:20	Session 2: IoT, Smart Cities and Sensor Networks <ol style="list-style-type: none"> Web2Compile-CoT: A web IDE for the Cloud of Things. <u>Claudio De Farias</u>, Paulo Júnior, Marina Pereira, Italo Brito, Igor Dos Santos, Luci Pirmez, Flavia Delicato and Luiz Carmo. Sensor Web Enablement applied to an Earthquake Early Warning System. <u>Ana María Zambrano</u>, Israel Pérez, Carlos E. Palau and Manuel Esteve.

	<ol style="list-style-type: none"> 3. Towards motion characterization and assessment within a wireless body area network. <u>Martin Seiffert</u>, Norman Dziengel, Marco Ziegert, Robert Kerz and Jochen Schiller. 4. Data Driven Transmission Power Control for Wireless Sensor Networks. <u>Roshan Kotian</u>, Georgios Exarchakos and Antonio Liotta.
15.30 – 16:00	Tea break
16:00 – 17:40	Session 3: Distributed Computing and Advanced Networking <ol style="list-style-type: none"> 1. Towards a Self-Adaptive Middleware for Building Reliable Publish/Subscribe Systems. Sisi Duan, <u>Jingtao Sun</u> and Sean Peisert. 2. Fragmented-Iterated Bloom Filters for Routing in Distributed Event-Based Sensor Networks. <u>Cristina Muñoz</u> and Pierre Leone. 3. Connectivity Recovery in Epidemic Membership Protocols. <u>Pasu Poonpakdee</u> and Giuseppe Di Fatta. 4. Containment of Fast Scanning Computer Network Worms. <u>Muhammad Ahmad</u> and Steve Woodhead. 5. Hardware-Assisted IEEE 802.15.4 Transmissions and Why to Avoid Them. <u>Andreas Weigel</u> and Volker Turau.
17:45 – 18:45	Session 4: Data Analytics and Mining <ol style="list-style-type: none"> 1. Inferring Appliance Load Profiles From Measurements. <u>Geir Horn</u>, Salvatore Venticinque and Alba Amato. 2. A GPU-based Statistical Framework for Moving Object Segmentation: Implementation, Analysis and Applications. <u>Alfredo Cuzzocrea</u>, Enzo Mumolo, Alessandro Moro and Kazunori Umeda. 3. Mining Regularities in Body Sensor Network Data. Syed Khairuzzaman Tanbeer, <u>Mohammad Mehedi Hassan</u>, Majed Alrubaian and Byeong-Soo Jeong.
18.45 – 19:30	Bar opens
19.30 –	Dinner (*)

Thursday, September 3, 2015

<i>Time</i>	<i>Activity</i>
08:00 – 09:00	Breakfast (*)
09:00 – 10:45	Session 5: PhD Students Presentations <ol style="list-style-type: none"> 1. Towards Modelling-based Self-adaptive Resource Allocation in Multi-tiers Cloud Systems. <u>Mehdi Sliem</u>, Nabila Salmi and Malika Ioualalen. 2. Epidemic Fault Tolerance for Extreme-Scale Parallel Computing. <u>Amogh Katti</u> and Giuseppe Di Fatta. 3. Fast Adaptive Real-Time Classification for Data Streams with Concept Drift. <u>Mark Tennant</u>, Frederic Stahl and João Gomes. 4. Autonomic and Cognitive Architectures for the Internet of Things. <u>Claudio Savaglio</u> and Giancarlo Fortino. 5. Cloud Shield: Effective Solution for DDoS in Cloud. <u>Rajat Saxena</u> and Somnath Dey. 6. Fuzzy Logic Based Energy Aware VM Consolidation. <u>Mohammad Alaul Haque Monil</u> and Mohammad Rashedur Rahman. 7. Optimisation Techniques for Parallel K-Means on MapReduce. <u>Sami Al Ghamdi</u>, Giuseppe Di Fatta and Frederic Stahl.
11.00 – 11:30	Coffee break
11.30 – 19:00	Excursion (incl. lunch box) Bus trip to <u>Bletchley Park</u> , historic site of secret British codebreaking activities during WWII, workplace of <u>Alan Turing</u> and birthplace of the modern computer. Nearby the site there is also the <u>National Museum of Computing</u> , which is dedicated to the history of computing and includes <u>Colossus</u> , the world's first programmable, electronic, digital computer.
19.30 –	Social Dinner

Friday, September 4, 2015

<i>Time</i>	<i>Activity</i>
08:00 – 09:00	Breakfast (*)
09:00 – 10:30	Keynote presentation: "Cloud Computing in Healthcare and Biomedicine", Prof. Mario Cannataro
10.30 – 11:00	Coffee break
11:00 – 12:20	Session 6: Big Data and Internet Applications <ol style="list-style-type: none">1. Omentum - a Peer-to-Peer Approach for Internet-scale Virtual Microscopy. <u>Andreas Barbian</u>, Dennis Malenica, Timm Filler and Michael Schoettner.2. Using social networks data for behavior and sentiment analysis. Barbara Calabrese, <u>Mario Cannataro</u> and Nicola Ielpo.3. Sentimental Preference Extraction from Online Reviews for Recommendation. Nieqing Cao, Jingjing Cao, Panpan Liu and <u>Wenfeng Li</u>.4. Review of Replication Techniques for Distributed Systems. <u>Ahmad Shukri Mohd Noor</u>, Nur Farhah Mat Zian, Mustafa Mat Deris and Tutut Herawan.
12:20 – 12:30	Closing Remarks
12:30 – 14:00	Lunch (*)
14.00 –	Departure

Note: presenting authors are underlined.

() Meals are not included in the conference registration. Breakfast, lunch and dinner are included in the full-board accommodation rate.*

*(**) Participants, who have not booked the conference accommodation, can book the lunch on Sept. 02 at <http://store.rdg.ac/UoR-IDCS2015>.*

The Conference Registration includes: conference participant pack (including proceedings), coffee breaks, excursion (including lunch box), social dinner.

Useful Information

Local Airports (sorted by distance):

- Heathrow (7 miles)
- London City (35 miles)
- Gatwick (41 miles)
- Luton (42 miles)
- Stansted (70 miles)

Closest train stations:

- Egham (3.3 miles)
- Windsor & Eton Central (6 miles)

Local Taxi companies:

- Windsor Cars Ltd (01753) 677677
- Egham Cars Ltd (01784) 434484

Approximate fares: £10 from Egham, £25 from Heathrow, and £65 from Gatwick.

Important instructions for taxi drivers: taxis are allowed to access the Windsor Great Park to leave conference attendees at the main entrance of Cumberland Lodge. Gates of the Windsor Great Park will automatically open when cars approach.



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