

IDCS 2015



The 8th International Conference on Internet and Distributed Computing Systems (IDCS 2015)

September 2-4, 2015

<http://idcs2015.reading.ac.uk/>



Conference Organisation

General Chair	<i>Giuseppe Di Fatta, University of Reading, UK</i>
Program Chairs	- <i>Wenfeng Li, Wuhan University of Technology, China</i> - <i>Giancarlo Fortino, University of Calabria, Italy</i> - <i>Mukaddim Pathan, Telstra Corporation Limited, Australia</i>
Local Program Chairs	- <i>Rachel McCrindle, University of Reading, UK</i> - <i>Lily Sun, University of Reading, UK</i>
PhD Workshop Chair	<i>Frederic Stahl, University of Reading, UK</i>
Publicity and Industry Chair	<i>Dom Robinson, Innovations, id3as-company, UK</i>
Publications Chair	<i>Antonio Guerrieri, University of Calabria, Italy</i>
Steering Committee - IDCS Series	Jemal Abawajy, Deakin University, Australia Rajkumar Buyya, University of Melbourne, Australia Giancarlo Fortino, University of Calabria, Italy Dimitrios Georgakopolous, RMIT University, Australia Mukaddim Pathan, Telstra Corporation Limited, Australia Yang Xiang, Deakin University, Australia
Technical Program Committee	<i>Full list available at http://idcs2015.reading.ac.uk/</i>

Conference Overview

The Internet as ubiquitous infrastructure and the widespread use of mobile and wireless devices have laid the foundation for the emergence of innovative network applications. In addition, the advances of sensor technologies are facilitating **Cyber-Physical Systems**, i.e. the integration of the digital world with the physical environment, and the advent of the **Internet of Things**. Large-scale networked systems, real-time data streams from sensors and widespread use of mobile devices are contributing to the **Big Data** trends. Intelligent and efficient approaches are required to turn the wealth of data available from the network into useful and actionable knowledge. The conference programme will focus on emerging models, paradigms, applications and technologies related to Internet-based distributed systems. *Topics of Interest:* Distributed Computing, Internet Applications, Cyber-Physical Systems, Internet of Things, Big Data

Conference Format

The perfect venue for an academic retreat, invited keynote speakers and a single track format facilitate interaction and socialisation of the participants. A special session is dedicated to PhD students presenting their work to the community: the University of Reading offers **four grants to PhD students** to cover travel and accommodation costs.

Publications

The conference proceedings will be published as **Springer Lecture Notes in Computer Science (LNCS)**. All contributions will also be electronically available through SpringerLink Database and will be indexed through ISI Conference Proceedings Citation Index - Science (CPCI-S), EI, Scopus, ACM Digital Library, DBLP, and Google scholar. Authors of selected conference papers will be invited to submit an extended paper to a **Special Issue on "Cyber-physical Systems (CPS), Internet of Things (IoT) and Big Data" of the Elsevier Journal of Future Generation Computer Systems** (Impact Factor: 2.639).

Submission of Papers

Original papers (12 pages max) from the above-mentioned or other related areas will be considered. Papers should be submitted electronically in PDF at <https://easychair.org/conferences/?conf=idcs2015>. Submitted papers may not have appeared in or be under consideration for another workshop, conference or a journal, nor may they be under review or submitted to another forum during the review process. Each submission will be reviewed by the members of the TPC and external reviewers.

Important Dates

Conference papers submission	May 1, 2015
Notifications of paper acceptance	May 22, 2015
Camera-ready copy and copyright form	June 5, 2015
Conference dates	September 2-4, 2015

Conference Location and Social Activities

Cumberland Lodge is immersed in the Royal landscape of the Windsor Great Park. At walk distance from **Windsor Castle** and within its parkland, the conference venue is a 17th century house which combines charming English hospitality with 21st century facilities. Social activities include an excursion to **Bletchley Park**, historic site of secret British codebreaking activities during WWII, workplace of **Alan Turing** and birthplace of the modern computer. Nearby the site there is also the National **Museum of Computing**, which is dedicated to the history of computing and includes **Colossus**, the world's first programmable, electronic, digital computer.

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Conference Series

IDCS'15 is the 8th edition of a successful conference series.

- IDCS'08, Khulna, Bangladesh
- IDCS'09, Jeju Island, Korea
- IDCS'10, Melbourne, Australia
- IDCS'11, Melbourne, Australia
- IDCS'12, Wu Yi Shan, China
- IDCS'13, Hangzhou, China
- IDCS'14, Calabria, Italy