

**Emerging Technology Conference EMiT 2015**  
**(<http://emit.manchester.ac.uk/>)**  
**30 June – 1 July 2015, University of Manchester, UK**

Early bird deadline: 1st June 2015

Final Registration: 16th June 2015

Emerging Technology: Revolutionising Computing!

Computational hardware is changing rapidly. Two decades ago, all we needed to know was the speed of upcoming hardware, not its form or the state of its software frameworks. This is no longer true with new and novel highly parallel computing architectures being unveiled continuously. This forces important questions about re-coding and future proofing existing scientific software. Emerging Technology describes this continual change of hardware and algorithms.

Unique aims and scope: the EMiT (EMerging Technology) conference series brings together experts from all areas of computing to examine how to best take advantage of the changing landscape of computer hardware and overcome research barriers for fields such as computational fluid dynamics (CFD), computational mechanics, life sciences, and financial modelling. Building on the success of EMiT 2014 at the University of Manchester, EMiT 2015 is expanding to a 2-day event.

Themes

The sheer diversity of hardware now available for computing in all fields has presented both users and researchers in industry and academia with a new set of challenges to prepare for the next generation of computing. EMiT aims to provide a stage for leading researchers from academia and industry to discuss how research and development influences the field of emerging computing technology.

With this in mind a set of guiding themes has been defined for the second event.

Device-independent Compilers and High Level Languages

Code portability

Future proofing code (both research & industry)

Programming effort Vs. performance

Low Power and Energy Efficient Computing

Hardware, from processor core & interconnect to system and infrastructure

Software & programming techniques

Measuring, monitoring & management

Advances in Novel Hardware

New architectures that advance existing designs

Novel hardware designs

Numerical Algorithms

Novel algorithmic design

Novel use of emerging hardware

Novel use of emerging software

Applications

Emerging technology in academic applications

Emerging technology in novel industrial applications

Porting & optimisation techniques for new and novel platforms

### **Objectives**

- to identify latest trends in hardware development for novel computing;
- to share how best to exploit Emerging Tech for application;
- to focus on new techniques, their development and transfer to new areas.

### Keynote Speakers

Prof. Stephen Furber (Manchester University),

Prof. Laura Grigori (INRIA),

Dr John Linford (ParaTools, Inc.)

Dr Filippo Mantovani (Mont-Blanc Project)

For further details please see the Programme

With device-independent compilers and high-level languages, to low power and energy efficient computing being applied to ever changing hardware and numerical algorithms for industrial and academic use, EMiT brings all they key organisations and developers together.

Alongside the EMiT conference are a couple of associated activities including training on the advanced use of OpenMP and training on the use of Python for HPC and the use of TAU.

**Fourth International Conference on Future Generation Communication Technologies (FGCT 2015)**  
**University of Bedfordshire, Luton (near London) UK**  
**July 29-31, 2015**  
[www.socio.org.uk/fgct](http://www.socio.org.uk/fgct)  
(Technically co-sponsored by IEEE UK & RI)

In the last decade, a number of newer communication technologies have been evolved, which have a significant impact on the technology, as a whole. The impact ranges from incremental applications to dramatic breakthrough in the society. Users rely heavily on broadcast technology, social media, mobile devices, video games and other innovations to enrich the learning and adoption process.

This conference is designed for teachers, administrators, practitioners, researchers and scientists in the development arenas. It aims to provide discussions and simulations in the communication technology at the broad level and broadcasting technology and related technologies at the micro level. Through a set of research papers, using innovative and interactive approach, participants can expect to share a set of research that will prepare them to apply new technologies to their work in teaching, research and educational development amid this rapidly evolving landscape.

Topics discussed in this platform are not limited to-

- Emerging cellular and new network architectures for 5G
- New antenna and RF technology for 5G wireless
- Internet of Everything
- Modulation algorithms
- Circuits, software and systems for 5G
- Convergence of multi-modes, multi-bands, multi-standards and multi- applications in 5G systems
- Cognitive radio and collaborative transmissions in 5G
- Computing and processing platform for 5G
- Programming models and development tools to enable 5G systems
- Small cells and heterogeneous networks
- Metrics and Evaluation of 5G systems
- Standardization of 5G
- Broadcast technology
- Future Internet and networking architectures
- Future mobile communications
- Mobile Web Technology
- Mobile TV and multimedia phones
- Communication Security, Trust, Protocols and Applications
- Communication Interfaces
- Communication Modelling
- Satellite and space communications
- Communication software
- Future Generation Communication Networks
- Communication Network Security
- Communication Data Grids
- Collaborative Communication Technology
- Intelligence for future communication systems
- Forthcoming optical communication systems
- Communication Technology for Elearning, Egovernment, Ebusiness
- Games and games designing
- Social technology devises, tools and applications

- Crowdsourcing and Human Computation
- Human-computer communication
- Pervasive Computing
- Grid, crowd sourcing and cloud computing
- Hypermedia systems
- Software and technologies for E-communication
- Intelligent Systems for E-communication
- Future Cloud for Communication
- Future warehousing
- Future communication for healthcare and medical devices applications
- Future communication for Mechatronic applications

All presented papers in the conference will be published in the proceedings of the conference and submitted to the IEEE Xplore Digital Library for inclusion.

The conference will have workshops on specific themes, industrial presentation, invited talks and collaborative discussion forums.

#### **Important Dates**

Submission of Papers: May 01, 2015

Notification of Acceptance: June 10, 2015

Camera Ready: July 10, 2015

Conference Dates: July 29-31, 2015

The selected papers after extension and modification will be published in many peer reviewed and indexed journals.

- Journal of Computer and System Sciences/ (ISI/Scopus)
- Journal of Digital Information Management (Scopus/EI)
- International Journal of Computational Science and Engineering (Scopus and EI Indexed)
- Decision Analytics
- International Journal of Big Data Intelligence
- International Journal of Applied Decision Sciences (Scopus/EI)
- International Journal of Management and Decision Making (Scopus/EI)
- International Journal of Strategic Decision Sciences
- International Journal of Enterprise Information Systems (Scopus/EI)

#### **Programme Committee**

##### **General Chair**

Ezendu Ariwa, University of Bedfordshire, UK

##### **Programme Chairs**

Carsten Maple, Warwick University, UK

Yong Yue, University of Bedfordshire, UK

Hathairat Ketmaneechairat

King Mongkut's University of Technology, Thailand

##### **Programme Co-Chairs**

Koodicimma Ibe-Ariwa, Cardiff Metropolitan University, UK

Gloria Chukwudebe, Federal University of Technology, Owerri, Nigeria

Submissions at: <http://www.socio.org.uk/fgct/submission.php>

Email: [fgct@socio.org.uk](mailto:fgct@socio.org.uk)

**First International Conference on Data and Communication for Science, Technology and Society  
(ICDCST 2015)**

**Colombo, Srilanka**

**June 08-10, 2015**

**(<http://socio.org.uk/icdcs/index.html>)**

Data and communication are the two eyes for any research activity. They play significant role in promoting research in all the domains. In the last one decade the research community emphasizes basic principles and topics of fundamental importance concerning the technology and architecture of various domains and provides a detailed discussion of leading-edge topics.

Realizing its value the international conference on Data and Communication for Science, Technology and Society is planned and being organized. It lends a stimulating platform for interdisciplinary and multidisciplinary topics. The conference provides a review of the extensive research on the social structure and process of informal scholarly scientific communication and more recent research on the adoption and use of information and communication technologies by scientists for informal scholarly scientific communication.

The conference will have many tracks highlighting many major domains.

**Track 1:** Data Processing and its technical features

**Track 2:** E-communities, Digital Libraries, Social networks and Web

**Track 3:** Data and Society

**Track 4:** Data Management for Economics and Governance

**Track 5:** Electronic Communication and its processing

**Track 6:** Communication Networks

**Track 7:** Big Data

**Track 8:** Telecommunication

**Track 9:** Communication Technology

**Track 10:** Soft Computing

**Track 11:** Data Management for Science including Pure and Applied Sciences

**Proceedings and Journal Publications**

The conference will result in the publication of the proceedings and all the accepted papers will be published in large number of journals. The primary publication database is the DLINE ([dline.info](http://dline.info)) and many other journals are in pipeline.

**Organization Chairs**

Wathmanel Seneviratne, Open University of Sri Lanka

**Programme Chairs**

Hathairat Ketmaneechairat, King Mongkut's University of Technology, Thailand

Ezendu Ariwa, University of Bedfordshire, UK

Bhim Dhoj Shetra, Centre of LIS & research, Tribhuvan University, Nepal

**Paper Submission**

Manuscript submissions should be in Adobe Portable Document Format (PDF) or Word Document Format (DOC) only. For submission click here: <http://www.socio.org.uk/icdcs/openconf>

**Fifth International Conference on Innovative Computing Technology (INTECH 2015)**  
**University of Vigo, Galicia, Spain**  
**May 20-22, 2015**  
**(Technically co-sponsored by IEEE UK & RI)**  
**(Proceedings will be published in IEEE Xplore)**  
**(URL: <http://www.socio.org.uk/intech>)**

The First international conference on Innovative Computing Technology (INTECH 2011) was held at Sao Carlos in Brazil followed by the Second International Conference on Innovative Computing Technology (INTECH 2012) at Casablanca in Morocco. The INTECH 2013 and INTECH 2014 were organized at London and Luton, UK respectively. The INTECH 2015 is organized by the Atlantic Research Centre for Information and Communication Technologies of the University of Vigo, Spain. The INTECH 2015 offers the opportunity for institutes, research centers, engineers, scientists and industrial companies to share their latest investigations, researches, developments and ideas in area of Innovative Computing Technology, which covers huge topics.

The INTECH intends to address various innovative computing techniques involving various applications. This forum will address a large number of themes and issues. The conference will feature original research and industrial papers on the theory, design and implementation of computing technologies, as well as demonstrations, tutorials, workshops and industrial presentations. This conference (INTECH 2015) will include presentations of contributed papers by invited keynote speakers.

Conference papers will include innovative computing paradigms in the following topics:

- Network and Information Security Algorithms
- Innovative Computing Systems and Applications in S & T domains
- Applied Information Systems
- Artificial Intelligence and Decision Support Systems
- Broadcasting Technology
- Data and Network mining
- Cloud Computing
- Computational Intelligence
- Green Computing
- Data Stream Processing in Mobile/Sensor Networks
- Grid computing
- Database Systems
- Internet of Things
- Digital Image/Video Processing
- Mobile network and systems
- E-Learning, e-Commerce, e-Business and e-Government
- Human-Computer Interaction
- Intelligent Condition Monitoring
- Multimedia and Interactive Multimedia
- Peer-to-peer social networks
- Signal Processing
- Software Engineering
- Ubiquitous Computing
- User Interfaces, Visualization and Modeling
- Virtual Reality

- WWW Applications and Technologies
- Visualization
- XML and other Extensible Languages
- Web services
- Soft Computing: Fuzzy and Neural Network Systems, optimization algorithms

The INTECH proceedings will also be indexed by dblp. All the papers will be reviewed and the accepted papers in the conference will be submitted to IEEE Xplore for indexing and will be indexed in many global databases. In addition, all the accepted papers (for Journals) will be published in the following special issues journals after substantial revision and modification.

- Journal of Digital Information Management (JDIM) (Scopus and EI Indexed)
- International Journal of Enterprise Information Systems (Scopus and EI Indexed)
- International Journal of Grid and High Performance Computing (IJGHPC) (Scopus and EI Indexed)
- International Journal of Computational Science and Engineering (Scopus and EI Indexed)
- International Journal of Big Data Intelligence
- International Journal of Applied Decision Sciences (Scopus/EI)
- International Journal of Management and Decision Making (Scopus/EI)
- International Journal of Enterprise Information Systems (Scopus/EI)

**Programme Committee**

**General Chairs**

José Juan Pazos-Arias, Universida de Vigo, Spain  
 Martín López-Nores, Universida de Vigo, Spain  
 Ezendu Ariwa, University of Bedfordshire, UK

**Program Chairs**

Manuel Ramos-Cabrer, Universida de Vigo, Spain  
 Aziz El Janati El Idrissi, Mohammed V Agdal University, Morocco

**Publicity Chair**

Alberto Gil-Solla , Universida de Vigo, Spain

**Organization Chair**

Yolanda Blanco-Fernández , Universida de Vigo, Spain

**Important Dates**

<b>Submission of papers:</b>	<b>March 01, 2015</b>
<b>Notification of Acceptance/Rejection:</b>	<b>April 01, 2015</b>
<b>Camera Ready:</b>	<b>May 01, 2015</b>
<b>Registration:</b>	<b>May 01, 2015</b>
<b>Conference:</b>	<b>May 20-22, 2015</b>

**Submission URL:** <http://socio.org.uk/intech/paper-submission/>

**Email:** [intech@socio.org.uk](mailto:intech@socio.org.uk)