



# Call for Papers

## Cyber-Physical Systems Week 2015

April 13<sup>th</sup> – 16<sup>th</sup>, 2015, Seattle, WA, USA

<http://www.cpsweek.org/2015>

### Key Dates:

- Abstract Registration: October 13th, 2014
- Submission Deadline: October 20th, 2014
- Notification Dates: vary by individual conferences
- Workshop Date: April 13th, 2015
- Main Conference: April 14th – April 16th, 2015

Cyber-physical systems (CPS) are complex engineering systems that rely on the integration of physical, computation, and communication processes to function. Theories, algorithms, systems and methodologies developed for CPS are the foundations for applications like Internet of Things, industrial internet and automation, smart transportations, smart grids, smart cities, buildings and homes, data centers, health care, wellbeing and so on. Such systems must be operated safely, dependably, securely, efficiently and in real-time. Advances in this field will have great technical, economic and societal impacts in the near future. Since 2008, CPS Week is the premier forum for academic, industry, and governmental researchers to present latest research results and exchange ideas on all aspects of CPS.

CPS Week 2015 will be held in the beautiful city of Seattle, Washington, USA. The event features four major collocated conferences:

- **HSCC:** The 18th ACM/IEEE International Conference on Hybrid Systems: Computation and Control (<http://www.hscconference.org/>)
- **ICCPS:** The 6th ACM/IEEE International Conference on Cyber-Physical Systems (<http://iccps.acm.org/2015/>)
- **IPSN:** The 14th ACM/IEEE International Conference on Information Processing in Sensor Networks (<http://ipsn.acm.org/2015/>)
- **RTAS:** The 21st IEEE Real-Time and Embedded Technology and Applications Symposium (<http://2015.rtas.org/>)

In addition to major conferences, CPS Week 2015 will host workshops, tutorials, poster and demo sessions, competition, and PhD forums.

CPS Week conferences call for original research contributions. Please refer to Call for Papers from individual conferences for topics of interests and submission formats. All conferences have the same abstract registration and submission deadlines. Papers will be reviewed by individual conference program committees. Contact conference program committee chairs for any question.

### Organizers:

- General Chair: Jie Liu (Microsoft)
- Workshop Chairs:  
Raghu Ganti (IBM), Dan Work (UIUC)
- Demo/Poster Chairs:  
Andrew Markham (Oxford)  
Mohammed Shoaib (Microsoft)
- N2Women Forum Chairs:  
Anna Förster (SUPSI, Switzerland)
- Web and Social Media Chair:  
Ying Lu (Univ. of Nebraska)
- Publicity Chairs:  
Ying Lu (Univ. of Nebraska),  
Ramona Marfievici (Univ. of Trento)  
Heitor Ramos (UF de Alagoas, Brazil)  
Prasant Misra (India Inst. of Science)  
John Koo (Univ. of Hong Kong)
- Publication Chair:  
Lijun Qian (Prairie View A&M)
- Finance Chair: Yanyong Zhang (Rutgers)
- Registration Chair:  
Radha Poovendran (U. of Washington)
- Local Arrangement Chairs:  
Michel Goraczko, Arjmand Samuel (Microsoft)

### Steering Committee:

- Werner Damm (Univ. of Oldenburg)
- Insup Lee (UPenn)
- George J. Pappas (UPenn), Chair
- Raj Rajkumar (CMU)
- Sanghyuk Son (DGIST, Korea and UVa)
- Jack Stankovic (UVa)
- Feng Zhao (Microsoft)