

# The 45th Annual IEEE/IFIP International Conference on Dependable Systems and Networks - DSN 2015

Rio de Janeiro, Brazil

Copacabana

June 22-25, 2015

<http://www.dsn.org>

## Call for Contributions

The Annual IEEE/IFIP International Conference on Dependable Systems and Networks (DSN) is the most prestigious international forum for presenting research results in the field of dependable and secure computing. Authors are invited to submit original papers on the research and practice of creating, validating, deploying and maintaining dependable and secure systems and networks.

All aspects of dependable and secure systems and networks are within the scope of DSN including innovative architectures, protocols and algorithms as well as experimentation with and assessment of dependable and secure systems. DSN's current thematic areas of emphasis are:

- Hardware (e.g. microprocessors; VLSI; storage systems; and nanoscale systems)
- Software (e.g. applications; middleware; and operating systems)
- Cyber-physical systems (e.g. embedded systems; networked embedded systems; SCADA; automotive, aerospace, and medical systems; and smart grid)
- Socio-technical systems (e.g. virtual worlds; human-computer interaction; usable security; and online social networking)
- Clouds (e.g. cloud storage, computing, platforms, and applications)
- Networks (e.g. wireless networks; mobility; next-generation networks; and software-defined networking)
- Models and methodologies for programming, evaluating, and assessing dependable and secure systems (e.g. performance, dependability and security evaluation; analytical and numerical methods; simulation; experimentation; benchmarking; verification; field data analysis; and data mining techniques)

## Information to authors

Innovative papers in other areas of dependable and secure systems and networks will also be considered. Papers will be assessed with criteria appropriate to each category. The conference favors work that explores new territory, continues a significant research dialogue, or reflects on experience with (or measurements of) state-of-the-art implementations. Submissions will be judged on originality, significance, correctness and impact.

Research Papers and Practical Experience Reports will be refereed and included in the Proceedings of the DSN 2015, if accepted.

All contributions must be written in English. IEEE Computer Society will publish accepted contributions.

Details for industrial papers student forum and fast abstract contributions can be checked in the conference webpage.

Workshop and tutorial proposals focused on the topic(s) addressed by the conference will be also welcomed. Please contact with the conference chairs for more details.

## Contacts

General Chair	Eliane Martins (UNICAMP, BR) eliane@ic.unicamp.br
General Co-Chair	Regina Moraes (UNICAMP, BR) regina@ft.unicamp.br
Program Co-Chairs	Johan Karlsson (Chalmers UT, SE) johan@chalmers.se
	Yair Amir (Johns Hopkins, USA) yairamir@cs.jhu.edu

## Important Dates

Abstract should be submitted up to November 28<sup>th</sup>, 2014  
The deadline for paper submission is December 8<sup>th</sup>, 2014

## Best Paper Awards

- William C. Carter Award to the best accepted paper that is based on a PhD dissertation.
- Best Paper Award to the best accepted scientific paper among all.

# The 45th Annual IEEE/IFIP International Conference on Dependable Systems and Networks - DSN 2015

Rio de Janeiro, Brazil

Copacabana

June 22-25, 2015

<http://www.dsn.org>

## Program Committee Members

### Software

Andre Schiper, EPFL, Switzerland  
Alexander Romanovsky, Newcastle University, UK  
Fernando Pedone, University of Lugano, Switzerland  
Gilles Muller, LIP6, France  
Jonathan Kirsch, Applied Communication Sciences, US  
Louise Moser, UCSB, US  
Phil Koopman, CMU, US  
Roy Friedman, Technion, Israel  
Xavier Defago, JAIST, Japan

### Hardware

Arun Somani, Iowa State University, US  
Cynthia Sturton, University of North Carolina, US  
Helia Naeimi, Intel, US  
Juan-Carlos Ruiz, Technical University of Valencia, Spain  
Karthik Pattabiraman, University British Columbia, Canada  
Murali Annavaram, University of Southern California, US  
Subhasish Mitra, Stanford, US  
Sy Yen Kuo, National Taiwan University  
Takashi Nanya, Canon, Japan

### Clouds

Alysson Bessani, University of Lisbon, Portugal  
Doug Blough, Georgia Tech, US  
Gun Sirer, Cornell, US  
Kenneth Birman, Cornell, US  
Matti Hiltunen, AT&T Labs, US  
Neeraj Suri, TU Darmstadt, Germany  
Paulo Verissimo, University of Lisbon, Portugal  
Priya Narasimhan, CMU, US  
Wyatt Lloyd, University of Southern California, US

### Cyber-physical Systems

András Pataricza, BME, Hungary  
Andrea Bondavalli, University of Firenze, Italy  
Domenico Cotroneo, University of Napoli, Italy  
Elias Duarte, UFPR, Brazil  
Francois Taiani, Lancaster University, UK  
John Knight, University of Virginia, US  
Karama Kanoun, LAAS-CNRS, France  
Nuno Neves, University of Lisbon, Portugal  
Zbigniew Kalbarczyk, University of Illinois, US

### Networks

Andreas Terzis, Google, US  
Athina Markopoulou, UC Irvine, US  
Cristina Nita-Rotaru, Purdue, US  
Fabíola Greve, Federal University of Bahia, Brazil  
Guohong Cao, Penn State, US  
Marc Dacier, QCRI, Qatar  
Michele Nogueira - Federal University of Parana, Brazil  
Rodrigo Fonseca - Brown, US  
Ymir Vigfusson, Emory University, US

### Socio-technical Systems

Haining Wang, College of William and Mary, US  
Jonny Vinter, SP Technical Research Institute, Sweden  
Lorenzo Strigini, City University London, UK  
Marc-Olivier Killijian, LAAS-CNRS, France  
Marco Viera, University of Coimbra, Portugal  
Michel Cukier, University of Maryland, US  
Philippe Palanque, IRIT

### Models and methodologies

Aad Van Moorsel, Newcastle University, UK  
Bill Sanders, University of Illinois, US  
Evgenia Smirni, College of William and Mary, US  
Felicita Di Giandomenico, ISTI-CNR, Italy  
Henrique Madeira, University of Coimbra, Portugal  
Kaustubh Joshi AT&T Labs, US  
Mohamed Kaaniche, LAAS-CNRS, France  
Peter Buchholz, University of Dortmund, Germany  
Peter Kemper, College of William and Mary, US