



# Call for Papers

## 12<sup>th</sup> International Symposium on Stabilization, Safety, and Security of Distributed Systems (SSS 2010)

Columbia University, NYC  
September 20-22, 2010

<http://www.cs.bgu.ac.il/~dolev/SSS10/>



### General Chair

Shlomi Dolev *Ben-Gurion Univ., Israel*

### Program Co-Chairs

Jorge Cobb *U of Texas at Dallas, USA*

Michael Fischer *Yale Univ., USA*

Moti Yung *Google and Columbia Univ., USA*

### Program Vice Chairs

#### Self-Stabilization

Franck Petit *UMPC Paris 6, France*

Philippas Tsigas *Chalmers University, Sweden*

#### Self-Organization

Kirstie L. Bellman *Aerospace Corporation, USA*

Mark Jelasiy *University of Szeged, Hungary*

#### Ad-Hoc, Sensor, and Dynamic Networks

Jie Gao *Stony Brook University, USA*

Sandeep Kulkarni *Michigan State University, USA*

#### Peer to Peer

Cédric Tedeschi *INRIA, France*

Thomas Fuhrmann *Technical Univ. Munich, Germany*

#### Fault-Tolerance and Dependable Systems

Brian Coan *Telcordia Technologies, USA*

Sergio Rajsbaum *National Autonomous Univ. of Mexico, México*

#### Safety and Verification

Benjamin Goldberg *New York University, USA*

Oliver E. Theel *Univ. of Oldenburg, Germany*

Lenore Zuck *University of Illinois at Chicago, USA*

#### Swarm, Amorphous, Spatial, and Complex Systems

Yanner Bar-Yam *NECSI and Harvard Univ., USA*

Jacob Beal *BBN Technologies and MIT CSAIL, USA*

#### Security

Mohamed Gouda *National Science Foundation, USA*

Rebecca Wright *Rutgers University, USA*

#### Cryptography

Gene Itkis *MIT Lincoln Laboratory, USA*

Jonathan Katz *University of Maryland, USA*

#### Discrete Distributed Algorithms

Amotz Bar-Noy *City Univ. of New York, USA*

Paul Spirakis *University of Patras, Greece*

### Local Arrangements Chair

Gil Zussman *Columbia Univ., USA*

### Publicity Chair

Doina Bein *Pennsylvania State Univ., USA*

### Administration

Rachel Chinkis *Ben-Gurion Univ., Israel*

Elsa Sanchez *Columbia Univ., USA*

### Scope

The Symposium is an international forum for researchers and practitioners in the design and development of distributed systems with self-\* properties: (the classical) self-stabilizing, self-configuring, self-organizing, self-managing, self-repairing, self-healing, self-optimizing, self-adaptive, and self-protecting. Research in distributed systems is now at a crucial point in its evolution, marked by the importance of dynamic systems such as peer-to-peer networks, large-scale wireless sensor networks, mobile ad hoc networks, cloud computing, robotic networks, etc.. Moreover, new applications such as grid and web services, banking and e-commerce, e-health and robotics, aerospace and avionics, automotive, industrial process control, etc., have joined the traditional applications of distributed systems.

The conference provides a wide spectrum of topics, covered in the following tracks:

- Stabilization
- Self-Organization
- Ad-Hoc, Sensor, and Dynamic Networks
- Peer to Peer
- Fault-Tolerance and Dependable Systems
- Discrete Distributed Algorithms
- Safety and Verification
- Security
- Cryptography
- Swarm, Amorphous, Spatial, and Complex Systems

### Paper Submission

Papers must be submitted in PDF format and be prepared using the LNCS style. Detailed instructions for submitting papers will be available later. Two types of papers can be submitted: Regular Papers and Brief Announcements. Submissions for regular papers should be no longer than 15 pages (including the title, authors, abstract, figures, and references) in LNCS style; a submission may have an appendix of at most two pages beyond the 15 page limit. Brief announcements are restricted to two pages using the LNCS style, with no appendix. Submissions deviating from these guidelines will be rejected without consideration of their merits.

If requested by the authors on the submission system, a regular submission that is not selected for a regular presentation will also be considered for a brief announcement. Such a request will not affect consideration of the paper for a regular paper.

A paper submitted at this forum is expected to be original research not previously published. A submission may not be concurrently submitted to another conference, workshop, or journal.

### Publication

The proceedings of the conference will be published in the **Springer Verlag Lecture Notes in Computer Science (LNCS)** series. Selected papers will be published in a special issue of **Elsevier's Information and Computation** journal.

### Best Paper and Best Student Awards

A best paper and a best student paper award will be selected by the program committee. A paper is eligible for the best student paper award if at least one of its authors is a full-time student at the time of submission. This must be indicated by marking an appropriate box in the submission system.

### Important Dates

- Submission Deadline: May 21, 2010
- Acceptance Notification: July 5, 2010
- Camera-ready copy due: July 14, 2010