The first DCOSS conference, held at Marina del Rey on June 30-July 1, 2005, featured high quality research papers and invited and contributed poster/presentation sessions.

DCOSS '06 will represent a merger of the DCOSS conference series and the IEEE International Workshops on Algorithms for Wireless, Mobile, Ad Hoc and Sensor Networks (WMAN).

The focus of the DCOSS conference is on distributed computing issues in large-scale networked sensor systems (including systematic design techniques and tools, algorithms, and applications), but networking-related contributions that support high level abstractions are also welcome. Topics of interest include but are not limited to:

- Computation and programming models
- Energy models, minimization, awareness
- Distributed algorithms for configuration and collaborative information processing
- Theoretical performance analysis: complexity, correctness, scalability, fault-tolerance
- Languages, operating systems, middleware
- Dynamic resource management
- Communication and processing primitives
- Design, simulation and optimization tools for deployment and operation
- Design automation and application synthesis techniques
- Case studies: lessons from real world deployments

Submission guidelines will be available at [http://www.dcoss.org/](http://www.dcoss.org/)

Awards will be given for one best paper in each of the three conference technical tracks: algorithms, applications, and systems.

The DCOSS conference will include a poster session for researchers and practitioners to present novel on-going work-in-progress and to obtain feedback from conference attendees in an informal setting. DCOSS will be also co-located with several closely related workshops. The goal of the workshops is to present work that is more preliminary and cutting-edge, or that has more practical content than the more mature research presented in the main symposium. Call for papers and submission guidelines will be available at the conference website.

Sponsored by: IEEE Computer Society Technical Committee on Parallel Processing (TCPP), IEEE Computer Society Technical Committee on Distributed Processing (TCDP)

**Held in co-operation with:** ACM SIGARCH, ACM SIGBED, European Association for Theoretical Computer Science (EATCS), IFIP WG 10.3