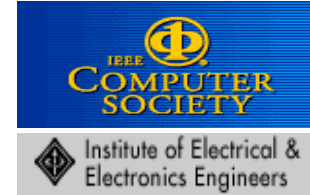


# Technical Committee on Operating Systems, Applications and Environments (TCOS)

<http://www.tcos.org>

[tcos-\[announce, discuss\]@tcos.org](mailto:tcos-[announce, discuss]@tcos.org)



IEEE-CS TCOS is a large membership organization (over 3,500 members), an affinity group of developers and users interested in the Operating System (OS) and applications and environments. TCOS is to IEEE-CS what SIGOPS is to ACM (though membership in TCOS is free).

TCOS is involved with theoretical and practical aspects of OS design and implementation, including system organization, resource allocation policies, measurement, performance evaluation, and system reliability. It is also involved with all OS aspects affecting system interface specifications, the completeness of services, and portability of applications and environments.

There are two main types of activities of the TCOS that are of benefit to our members and to community in general. The first one is organization of OS-related events (see the list below). The second role is in gathering and distributing OS-related information, mainly on the Web site. We publish a Newsletter a few times a year.

TCOS collaborates with IEEE-CS publications, such as IEEE Concurrency. Examples include making some of the magazine materials available on the TCOS Web site and pursuing joint publications.

TCOS seeks to actively cooperate with other organizations such as ACM SIGOPS and USENIX and has been cosponsoring several events with them

## TCOS (co)sponsored events

**The Hot Topics in Operating Systems (HOTOS) Workshop** is TCOS' main event. It is a bi-annual event that gathers researchers working on the latest OS technologies. TCOS is considering sponsorship of two more events.

TCOS cosponsors the **USENIX OSDI Symposium, Virtual Enterprises and Mobile Technolo-**

**gies, and Workshop on Mobile Computing Systems and Applications (WMCSA).**

## Membership

TCOS membership is free. You can register on the Web, either through IEEE CS Web site (off of [www.computer.org/members/](http://www.computer.org/members/)), follow the link "Other Services"; there is also a link off of the TCOS Web page).

Please take a look at our member survey and tell us what else you would like TCOS to offer to its membership and community. The form is available at:

<http://www.tcos.org/forms/feedback.html>

We are actively looking for new ideas, but even more for new volunteers to make the ideas happen.

## TCOS Officers

**Dejan S. Milojicic**, *HP Labs (Chair)*

**Mike Jones**, *Microsoft Research. (Vice Chair)*

Prof. **Brett D. Fleisch**, *UC, Riverside (Treasurer)*

Prof. **Steve Chapin**, *Syracuse Uni. (Editor, Web Master)*

## Executive Board

**Fred Douglass**, *AT&T Labs - Research (past chair)*

Prof. **Amr El Kadi**, *Am. U. in Cairo (Mid-East Repres.)*

Prof. **Peter Dickman**, *U. of Glasgow (Europ. Repres)*

**Felipe Cabrera**, *Microsoft Corporation*

Prof. **Abdelsalam (Sumi) Helal**, *University of Florida*

Prof. **David Kotz**, *Dartmouth College (ACM Liaison)*

Prof. **Darrell D. E. Long**, *UC Santa Cruz (past chair)*

Prof. **Ravi Mukkamala**, *Old Dominion University*

**Stefan Savage**, *University of Washington*

**Marc Shapiro**, *Microsoft Research Cambridge & INRIA*

## Editorial Staff

Prof. **Steve Chapin**, *Syracuse University (Editor)*

**Tom Doeppner**, *Brown University*

**M. Rasit Eskicioglu**, *University of Alberta*

Prof. **Shikharesh Majumdar**, *Carleton University*

## **Preliminary Call for Participation: HotOS-VIII**

End of May 2001, Southern Germany

The Eighth Workshop on Hot Topics in Operating Systems (HotOS-VIII) will bring together participants from academia and industry to exchange ideas and insights relevant to operating systems. We seek participation, both by members of the OS community, as well as by application developers and users who have useful feedback for OS designers and implementors.

In the past HotOS has been the place to present and discuss new ideas and techniques. To continue in this tradition, we solicit OS-related papers on hot or emerging areas such as (for instance) disconnected and nomadic computing, tiny and ubiquitous computers, middleware services, safe extensibility, speculative caching or execution techniques, distributed storage management, high performance servers and networking, special-purpose and embedded systems, etc. Topics of interest also include the more classic OS areas such as distributed computing, virtual memory, networking, file systems, process management, performance evaluation, real-time systems and security.

To ensure a productive workshop environment, attendance is limited to about 60 participants who are active in the field. Each potential participant should submit a position paper of 5 pages or less that exposes a new problem, advocates a specific solution, or reports on actual experience. Participants will be invited based on the originality, technical merit and topical relevance of their submissions, as well as the likelihood that the ideas expressed in their submissions will lead to insightful technical discussions at the workshop. Please do not submit abbreviated versions of journal or conference papers.

Online copies of the position papers will be made available via the Web prior to the workshop. Printed proceedings, including a summary of the interactions at the workshop, will be published and mailed to participants after the workshop.

The IEEE Computer Society's TCOS is sponsoring a \$500 award for the best student contributor to the workshop. To be considered for this award, please indicate that you are a student when submitting your position paper. For multi-author papers, you should be the primary author and the presenter at the workshop.

A small number of students will be granted free registration and limited travel support. In return, these students will serve as scribes: their responsibilities will include taking detailed notes of the interactions at the workshop, and helping the program chair prepare a digest of the proceedings. Students who wish to be considered for this opportunity must send in a brief description of their current research, and an explanation of how participation in the workshop is likely to help them. These should be received by the program chair by the submission date below.

Send 10 copies of position papers to the program chair at the address below.

Marc Shapiro  
Microsoft Research Ltd.  
1 Guildhall St.  
Cambridge CB2 3NH  
United Kingdom  
e-mail: Marc.Shapiro@inria.fr  
<http://www-sor.inria.fr/~shapiro/>

**IMPORTANT DATES** (to be confirmed)

Submissions due: 15 December 2000

General Chair: Jochen Liedtke, Universität Karlsruhe

Program Chair: Marc Shapiro, Microsoft Research Cambridge and INRIA