

EuroSys



The European professional society for Computer Systems European chapter of ACM SIGOPS

General Aim

Eurosys, the professional society for Computer Systems in Europe, is established to promote excellence in Computer Systems education, research and industry in Europe. We federate European researchers in the area to improve their impact and to provide the European perspective within the international Systems community. EuroSys is approved as the European chapter of ACM SIGOPS. A not-for-profit legal entity is being established in Belgium.

The Computer Systems topic includes operating systems, distributed systems, real-time systems, systems aspects of databases, language runtimes, embedded systems, etc., and intersects a large number of application areas.

Motivation

Much original work in systems comes from Europe. To cite some highly original and successful recent work:

- The Linux operating system originated in Finland.
- Symbian, the makers of systems for mobile phones, is a European company.
- The World-Wide-Web originated at CERN in Switzerland.
- The high-performance operating system L4, from Uni of Dresden and Uni Karlsruhe.
- The Xen virtual machine monitor from University of Cambridge.
- The Devil programming language for hardware drivers, from École des Mines, Nantes.
- Camille, a smart-card OS based on proof-carrying-code, from Université de Lille.
- The Pastry peer-to-peer system from Microsoft Research in Cambridge.
- The Globule peer-to-peer content distribution system from Vrije Universiteit in Amsterdam.

Yet the center of gravity of systems research and development is in the US, and systems work has little recognition in Europe. Publication impact is disappointing (see Figure 1 at the end). There are many reasons for this situation, but one is surely the disorganization of our community. EuroSys aims to increase the visibility and quality of systems research in Europe, and to provide forums for researchers and practitioners to meet and communicate.

Officers (interim)

Chair: Marc Shapiro, INRIA Rocquencourt, France

Vice-chair: Hermann Härtig, TU Dresden, Germany

Secretary: Anne-Marie Kermarrec, INRIA, Rennes, France

Treasurer: Yolande Berbers, Katholieke Universiteit Leuven, Leuven, Belgium.

Activities

- 1st senior EuroSys workshop: “Promoting excellence in European systems research”.
 - o Goal: This workshop is designed for senior European researchers in Systems to meet, to exchange information and discuss current research interests and trends. The aim is to reinforce the community, a key goal of EuroSys.
 - o Attendance: The workshop is by invitation only, and is limited to 40.
 - o Timing/venue: Lisbon, Portugal, 12 July (after lunch) to 13 July (after lunch).
- European Doctoral Systems Symposium (at SOSP 2005).
 - o Goal: To provide the opportunity for European doctorate students in the area of Computer Systems to meet and discuss their projects.
 - o Attendance: up to 60 European and 40 Non-European doctoral researchers. It will be organised in the style of work-in-progress sessions.
 - o Timing/venue: The day before SOSP 2005, 23 October 2005, Brighton, UK
- EuroSys 2006 Conference
 - o Goal: EuroSys2006 is the first of a series of Systems conferences located in Europe. It welcomes submissions and attendance from all over the world. EuroSys unifies different areas of Computer Systems, otherwise spread over multiple conferences. EuroSys solicits submissions on all aspects of computer systems, and especially ones that cross the divide between areas.
 - o Attendance: The conference will consist of a single track, and aims to attract 150 participants from academia and industry.
 - o Timing/venue: April 18-21 2006, Leuven, Belgium

Websites

Web site of EuroSys society: <http://www.irisa.fr/paris/pages-perso/Anne-Marie-Kermarrec/SIGOPSEC.html>

Web site of EuroSys conference: <http://www.cs.kuleuven.ac.be/conference/EuroSys2006/>

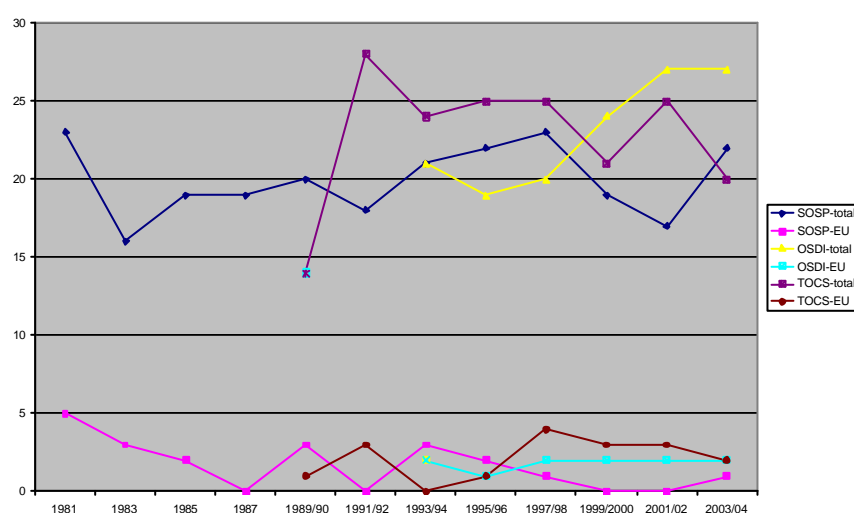


Figure 1. Number of papers from Europe vs. total number of papers in the SOSP, OSDI and TOCS. The major conferences in the area of computer systems are Symposium on Operating Systems Principles (SOSP), ranked 11th on 1200 in the [CiteSeer impact list](#), and the Symposium on Operating Systems Design and Implementation (OSDI), ranked 1st by CiteSeer. (SOSP and OSDI are biannual, on alternate years). The major journal is Transactions On Computer Systems (TOCS), ranked 8th by CiteSeer. The figure graphs the number of papers in each event, total number vs. the number from Europe. As can be seen, the publication impact of Europe is extremely low.