

# 20th ACM Symposium on Operating Systems Principles



SIGOPS

**October 23-26, 2005**  
**The Grand Hotel,**  
**Brighton**  
**United Kingdom**



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**General chair** Andrew Herbert, Microsoft Research  
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**Program chair** Ken Birman, Cornell University  
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**Sponsored by** ACM SIGOPS

Authors are invited to submit papers to the 20th SOSP reporting on original research related to the design, implementation, analysis, evaluation, and deployment of operating systems. We seek submissions of high quality that significantly further the knowledge and understanding of the systems community. In keeping with SOSP tradition, we will favor work that explores new territory, continues a significant research dialog, or reflects on experience with practical applications of the community's knowledge. Papers of particular merit will be forwarded to ACM Transactions on Computer Systems for possible publication in a special issue.

The symposium attracts attendees with diverse backgrounds. We solicit papers in the traditional core of the OS field, as well as in the interfaces to areas such as computer architecture, networking, programming languages, and databases. Topics of interest include, but are not restricted to:

|                               |                                       |
|-------------------------------|---------------------------------------|
| Robustness of complex systems | Mobile computing                      |
| Scalability and performance   | Fault tolerance and high availability |
| Security                      | Power management                      |
| File systems                  | Sensor Networks                       |
| I/O architectures             | Support for Web systems               |
| Overlay networks              | Empirical studies                     |

Submissions will be done electronically. Detailed instructions for the submission process can be found at the conference web site. Submitted papers must be no longer than twelve (14) 8.5"x11" or A4 pages in a typeface no smaller than 10 point. The page limit includes everything: references, title page, figures, appendices, etc. Additional formatting guidelines for submissions can be found on the web page. Papers should include new contributions; substantially identical results must not have been published previously or be under consideration for publication elsewhere. Authors must not be identified in the submissions, either explicitly or by implication (e.g., through the references or acknowledgments). Submissions violating these rules or the formatting guidelines on the web page will not be considered for publication.

Blind reviewing of full papers will be done by the program committee, with limited use of outside referees. Papers will be provisionally accepted subject to revision and approval by a program committee member acting as a shepherd. On acceptance, authors will be required to sign an ACM copyright release form. Your submission indicates that you agree to this. Papers will be held in full confidence during the reviewing process. Authors of accepted papers will be encouraged to supply electronic versions of their papers, as well as source code and raw data to help others replicate and better understand their results.

### Important Dates

|  |                |
|--|----------------|
| Submission deadline<br>(HARD, NO EXTENSIONS) | March 25, 2005 |
| Acceptance notification                      | June 15, 2005  |
| Camera-ready deadline                        | July 31, 2005  |

### Program Committee

|                                |  |
|--------------------------------|--|
| Lorenzo Alvisi, U.T. Austin    | Steven Hand, Cambridge                             |
| Brian Bershad, Washington      | Franz Kaashoek, MIT                                |
| Ken Birman (chairman), Cornell | Dahlia Malkhi, Hebrew University                   |
| Mike Burrows, Google           | Stefan Savage, UCSD                                |
| Eric Brewer, Berkeley          | Liuba Shrira, Brandeis                             |
| Miguel Castro, Microsoft       | Gun Sirer, Cornell                                 |
| David Culler, Berkeley         | Maarten van Steen, Vrije Universiteit<br>Amsterdam |
| Dawson Engler, Stanford        | Willy Zwaenepoel, EPFL                             |
| Stu Feldman, IBM               |  |

### Conference Organizers

|                           |                                    |
|---------------------------|------------------------------------|
| Local Arrangements:       | Andrew Herbert, Microsoft Research |
| Sponsorships:             | Galen Hunt, Microsoft Research     |
| Publicity:                | Anne-Marie Kermarrec, IRISA        |
| Poster Session:           | Stephen Hand, Cambridge            |
| Work-in-Progress Reports: | Liuba Shrirer, Brandeis            |



Further details at [HTTP://WWW.SOSP-20.COM](http://www.sosp-20.com)