Call for Papers

Seventh ACM SIGOPS European Workshop

Systems Support for Worldwide Applications

9-11 September1996, Connemara, Ireland

In the past, each computer had its own users and jobs. The task of the operating system was to allocate resources among competing users. With the advent of LANs and the Internet, multiple computers could collaborate to perform specialized tasks for a modest number of sophisticated users. In the future, most computers will be connected to what is often called the ''Information Superhighway.'' This as-yet-unbuilt system will allow hundreds of millions of ordinary citizens to access global information and participate in applications of unprecedented scale.

The requirements of the system software will change accordingly. The emphasis will shift from enforcing local kernel-user protection boundaries to enabling groups of users to collaborate and access information efficiently. New models, tools, and other software will be required. In this workshop, we will explore these issues. Possible topics include:

- Wide-area distributed systems for millions of users
- Tools, models and infrastructure for global applications
- Life after the World Wide Web
- Caching and replication
- (Distributed) management of (distributed) services
- Resource and information discovery services
- Systems support for multimedia applications
- Systems aspects of security and reliability

Attendance is limited to 50 people, by invitation only. The workshop will be held at the Renvyle House Hotel in Connemara, Ireland. It is a small, secluded site on the Renvyle Peninsula, surrounded by water on three sides and 200 acres of hotel land and mountains on the remaining side. The hotel is 2.5 hours from Shannon and 1 hour from Galway by road.

Papers will be selected on the basis of ability to foster discussion, originality, and appropriateness to the workshop topic. Accepted papers will be distributed to the workshop attendees and via the web. A few papers may be selected for publication in Operating Systems Review. Interested persons should send 10 copies of an extended abstract (max: 4 pages) to the program chairman. Alternatively, a *uuencoded* PostScript file using only standard fonts (e.g., Times) may be submitted. However, abstracts in PostScript that are submitted at the last moment and turn out to be unprintable locally will be rejected. Submissions that are late or exceed 4 pages will not be considered. The contact person's email and snail mail addresses should be included on the first page of the abstract. For additional information, see the workshop's web page, which will be updated periodically. Its URL is: *http://plastique.stanford.edu/sigops96/* .

Submissions to the program chairman (below):

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Important dates:

Position papers due: 1 March 1996
Acceptance notice: 15 May 1996
Final 8-page papers due: 15 July 1996
Workshop date: 9-11 Sept 1996

Program Committee

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