

**37th Annual Allerton Conference on
Communication, Control, and Computing**

Wednesday, September 22 - Friday, September 24, 1999

Co-chairs: [Bruce Hajek](#) and [R.S. Sreenivas](#)

Conference Secretary
Becky Lonberger
[Send Becky E-Mail](#)

Conference Information

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Questions, suggestions, comments? Contact:

www@comm.csl.uiuc.edu

CALL FOR PAPERS

THIRTY-SEVENTH ANNUAL ALLERTON CONFERENCE ON COMMUNICATION, CONTROL, AND COMPUTING Wednesday, September 22 - Friday, September 24, 1999

The Thirty-Seventh Annual Allerton Conference on Communication, Control, and Computing will be held from Wednesday, September 22 through Friday, September 24, 1999 at Allerton House, the conference center of the University of Illinois. Allerton House is located twenty-six miles south-west of the Urbana-Champaign campus of the University, in a wooded area on the Sangamon River. It is part of the fifteen-hundred acre Robert Allerton Park, a complex of natural and man-made beauty designated as a National natural landmark. The Allerton Park has twenty miles of well-maintained trails and a living gallery of formal gardens, studded with sculptures collected from around the world.

Papers presenting original research are solicited in the areas of communication systems, communication and computer networks, detection and estimation, information theory and error-correcting codes, source coding and data compression, multiple-access communications, queueing networks, control systems, robust and nonlinear control, adaptive control, optimization, dynamic games, large scale systems, robotics and automation, manufacturing systems, discrete event systems, intelligent control, multivariable control, adaptive signal processing, numerical methods for signals and systems, learning theory, neural networks, combinatorial and geometric algorithms, parallel and distributed computation, computational complexity, VLSI design algorithms, VLSI architectures for communications and signal processing, and automated highway systems. **Also solicited are organized sessions for the Conference; prospective organizers should discuss their plans with the Conference co-chairmen before sending a formal proposal.**

This year the plenary lecture entitled, "[Proportional fairness, resource pricing and the evolution of congestion control.](#)" will be delivered by [Prof. Frank Kelly](#) of Cambridge University.

Information for authors: Regular papers, suitable for presentation in twenty minutes, as well as short papers, suitable for presentation in ten minutes, are solicited. The purpose of the short paper category is to encourage authors to present preliminary results of their work. Regular papers will be published in full (subject to a maximum length of ten 8.5 x 11 in. pages) in the Conference Proceedings, while short papers will be limited to two-page summaries in the Proceedings.

For regular papers, a title and a five-to-ten page extended abstract, including references and sufficient detail to permit careful reviewing, are required. For short papers, a title and a three-to-five page summary are required. Manuscripts that are submitted as regular papers but cannot be accommodated in that category will be considered in the short paper category, unless the authors indicate otherwise.

Three copies of the manuscript should be mailed to **37th Annual Allerton Conference, University of Illinois at Urbana-Champaign, Coordinated Science Laboratory, 1308 West Main Street, Urbana, Illinois 61801-2307, USA** in time to be received by **July 14, 1999**. Submissions by e-mail or fax **will not** be accepted.

Submissions should specify the name, e-mail address, and postal address of the author who is to receive all subsequent correspondence. Authors will be notified of acceptance by August 14, 1999, at which time they will also receive detailed instructions for the preparation of their papers for the Proceedings. Full camera-ready versions of accepted papers will be due the last day of the Conference

Conference Co-Chairmen: [Bruce Hajek](#) and [R.S. Sreenivas](#)

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url: <http://www.comm.csl.uiuc.edu/allerton/>

COORDINATED SCIENCE LABORATORY

AND THE DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN