



FIFTY-SECOND ANNUAL ALLERTON CONFERENCE ON COMMUNICATION, CONTROL, AND COMPUTING

**September 30, 2014 – Opening Tutorials
October 1-3, 2014 – Conference Sessions**

CALL FOR PAPERS

The Fifty-Second Annual Allerton Conference on Communication, Control, and Computing will kick off with two Opening Tutorials being held on Tuesday, September 30, 2014 at the Coordinated Science Laboratory. The Conference sessions will start on Wednesday, October 1, 2014 through Friday, October 3, 2014, at the Allerton Park and Conference Center. The Allerton House is located twenty-six miles southwest of the Urbana-Champaign campus of the University of Illinois 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. 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 theory, information theory, error control coding, source coding and data compression, network algorithms, control systems, robust and nonlinear control, adaptive control, optimization, dynamic games, multi-agent systems, large-scale systems, robotics and automation, manufacturing systems, discrete event systems, multivariable control, computer vision-based control, learning theory, cyber-physical systems, security and resilience in networks, VLSI architectures for communications and signal processing, and intelligent transportation systems.

Final versions of papers to be presented at the conference are required to be submitted electronically by October 5, 2014 in order to appear in the Conference Proceedings and IEEE Xplore.

PLENARY LECTURE: **Jon Kleinberg**, Tisch University Professor of the Department of Computer Science, Cornell University, will deliver this year's plenary lecture. It is scheduled for Friday, October 3, 2014 at the Allerton Park and Retreat Center.

OPENING TUTORIAL LECTURES: **Lior Pachter**, University of California at Berkeley and **Lieven De Lathauwer**, KU Leuven, will both present a tutorial lecture on Tuesday, September 30, 2014 at the Coordinated Science Laboratory, University of Illinois.

INFORMATION FOR AUTHORS: Regular papers suitable for presentation in twenty minutes are solicited. Regular papers will be published in full (subject to a maximum length of eight 8.5" x 11" pages, in two column format) in the Conference Proceedings. Only papers that are actually presented at the conference and uploaded as final manuscripts can be included in the proceedings, which will be available after the conference on IEEE Xplore.

For reviewing purposes of papers, a title and a five to ten page extended abstract, including references and sufficient detail to permit careful reviewing, are required.

Manuscripts can be submitted during **June 16 - July 7, 2014** with the submission deadline of July 7 being firm. Please follow the instructions at the Conference website: <http://www.csl.uiuc.edu/allerton/>.

Authors will be notified of acceptance via e-mail by August 6, 2014, at which time they will also be sent detailed instructions for the preparation of their papers for the Proceedings.

Conference Co-Chairs: Olgica Milenkovic and Angelia Nedich
Email: allerton-conf@illinois.edu URL: www.csl.illinois.edu/allerton/

**COORDINATED SCIENCE LABORATORY AND THE
DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING**

University of Illinois at Urbana-Champaign