



## FIFTY-THIRD ANNUAL ALLERTON CONFERENCE ON COMMUNICATION, CONTROL, AND COMPUTING

September 29 2015 – Opening Tutorials  
September 30-October 2, 2015  
– Conference Sessions

### CALL FOR PAPERS

The Fifty-Third Annual Allerton Conference on Communication, Control, and Computing will kick off with two Opening Tutorials being held on Tuesday, September 29, 2015 at the Coordinated Science Laboratory. The Conference sessions will start on Wednesday, September 30, 2015 through Friday, October 2, 2015, 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.

**PLENARY LECTURE:** Professor **Martin Vetterli** of the School of Computer and Communication Sciences, Ecole Polytechnique Fédérale de Lausanne, will deliver this year's plenary lecture. It is scheduled for Friday, October 2, 2015 at the Allerton Park and Retreat Center.

**OPENING TUTORIAL LECTURES:** Professor **Andrea Montanari**, Stanford University, and Professor **Francis Bach**, Laboratoire d'Informatique de l'Ecole Normale Supérieure, will both present a tutorial lecture on Tuesday, September 29, 2015 at the Coordinated Science Laboratory, University of Illinois at Urbana-Champaign.

**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 15-July 6, 2015** with the submission deadline of July 6 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 7, 2015, at which time they will also be sent detailed instructions for the preparation of their papers for the Proceedings.

**Final versions of papers to be presented at the conference are required to be submitted electronically by October 4, 2015 in order to appear in the Conference Proceedings and IEEE Xplore.**

Conference Co-Chairs: Angelia Nedich and Minh Do

Email: [allerton-conf@illinois.edu](mailto:allerton-conf@illinois.edu) URL: [www.csl.illinois.edu/allerton/](http://www.csl.illinois.edu/allerton/)

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