



The **Fifty-Fourth Annual Allerton Conference on Communication, Control, and Computing** will kick off with Opening Tutorials being held on Tuesday, September 27, 2016 at the Coordinated Science Laboratory. The conference sessions will start on Wednesday, September 28, 2016 through Friday, September 30, 2016, at the Allerton Park and Retreat 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 broad areas of control, communication and computing, including but not limited to biological information systems; coding techniques and applications; coding theory; data storage; information theory; multiuser detection and estimation; network information theory; sensor networks in communications; wireless communication systems; intrusion/anomaly detection and diagnosis; network coding; network games and algorithms; performance analysis; pricing and congestion control; reliability, security and trust; decentralized control systems; robust and nonlinear control; adaptive control and automation; robotics; distributed and large-scale systems; complex networked systems; optimization; dynamic games; machine learning and learning theory; signal models and representations; signal acquisition, coding, and retrieval; detection and estimation; learning and inference; statistical signal processing; sensor networks; and data analytics.

Final versions of papers to be presented at the conference are required to be submitted electronically

Conference Co-Chairs: Minh Do and Naira Hovakimyan

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**COORDINATED SCIENCE LABORATORY AND THE
DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
University of Illinois at Urbana-Champaign**

FIFTY-FOURTH ANNUAL ALLERTON CONFERENCE

ON COMMUNICATION, CONTROL, AND COMPUTING

September 27, 2016 – Opening Tutorials

September 28 - 30, 2016 – Conference Sessions

CALL FOR PAPERS

by October 2, 2016 in order to appear in the Conference Proceedings and IEEE Xplore.

PLENARY LECTURE: Professor **Naomi Leonard** from the Mechanical and Aerospace Engineering, Princeton University, will deliver this year's plenary lecture. It is scheduled for Friday, September 30, 2016 at the Allerton Park and Retreat Center.

OPENING TUTORIAL LECTURES: Professor **Panagiotis Tsiotras**, Georgia Institute of Technology, and Professor **Emmanuel Abbe**, Princeton University, will both present tutorial lectures on Tuesday, September 27, 2016 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 8, 2016** with the submission deadline of July 8th being firm. Please follow the instructions at the Conference website: <http://www.csl.illinois.edu/allerton/>.

Authors will be notified of acceptance via e-mail by August 8, 2016, at which time they will also be sent detailed instructions for the preparation of their papers for the Proceedings.