



# 55th Allerton Conference

## Call for Papers: Due July 10, 2017

Manuscripts can be submitted during June 16-July 10, 2017 with the submission deadline of July 10th being firm. Please follow the instructions at [allerton.csl.illinois.edu](http://allerton.csl.illinois.edu).

**CONFERENCE CO-CHAIRS:** Naira Hovakimyan & Negar Kiyavash

**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.

**PAPERS PRESENTING ORIGINAL RESEARCH ARE SOLICITED IN THE AREAS OF:**

- Biological information systems
- Coding techniques & applications
- Coding theory
- Data storage
- Information theory
- Multiuser detection & estimation
- Network information theory
- Sensor networks in communications
- Wireless communication systems
- Intrusion/anomaly detection & diagnosis
- Network coding
- Network games & algorithms
- Performance analysis
- Pricing & congestion control
- Reliability, security & trust
- Decentralized control systems
- Robust & nonlinear control
- Adaptive control & automation
- Robotics
- Distributed & large-scale systems
- Complex networked systems
- Optimization
- Dynamic games
- Machine learning & learning theory
- Signal models & representations
- Signal acquisition, coding, & retrieval
- Detection & estimation
- Learning & inference
- Statistical signal processing
- Sensor networks
- Data analytics

### IMPORTANT DATES - 2017

**JULY 10** – Submission Deadline

**AUGUST 7** – Acceptance Date *Authors will be notified of acceptance via e-mail by August 7, 2017, at which time they will also be sent detailed instructions for the preparation of their papers for the Conference Proceedings.*

**AFTER AUGUST 7** – Registration Opens

**OCTOBER 3-6** – Conference Dates

OCTOBER 3 – Opening Tutorial Lectures

**Coordinated Science Lab, University of Illinois at Urbana-Champaign**

OCTOBER 4-6 – Conference Sessions [Plenary Lecture October 6]

**University of Illinois Allerton Park & 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.

**OCTOBER 8** – Final Paper Deadline *Final versions of papers that are presented at the conference must be submitted electronically in order to appear in the Conference Proceedings and IEEE Xplore.*

All speaker information will be added when confirmed.

WEBSITE | [allerton.csl.illinois.edu](http://allerton.csl.illinois.edu)

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**ECE ILLINOIS**  
Department of Electrical  
and Computer Engineering



**CSL** : COORDINATED  
SCIENCE LAB

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

