Call for Papers

The First Workshop on the Age of Information (AoI Workshop)

Honolulu, HI, USA April 16, 2018

https://www.eng.auburn.edu/AoIWorkshop/

The Age of Information is a new concept that can serve as a performance metric for characterizing the freshness of information, as a means for fundamental research, and as a tool in numerous applications. Recent research advances on the Age of Information suggest that many well-known design principles (e.g., for providing high throughput and low delay) that lead to the success of traditional data networks are inappropriate and need to be re-examined for enhancing information freshness in the rapidly emerging real-time applications.

The **1st Workshop on the Age of Information (AoI Workshop)** will be held in Honolulu on April 16, 2018, jointly organized with the IEEE INFOCOM Conference 2018. Topics of interest include, but are not limited to:

- Age of Information Analysis and Optimization
- Age-based Source and Channel Coding
- Age of Information and Information Theory
- Real-time Signal Tracking and Estimation
- Age of Channel State Information
- Age of Information in Robotics and Control Systems
- Age of Information and Security
- Age of Information and Networking
- Age of Information and Game Theory
- Data Freshness in Caches and Databases
- Fresh Big Data
- Fresh Data for Online Learning
- Applications of Age of Information

The AoI Workshop calls for original and unpublished papers no longer than **6 pages**. The reviews will be single blind. The manuscripts should be formatted in standard IEEE camera-ready format (double-column, 10-pt font) and be submitted as PDF files (formatted for 8.5x11 inch paper). Manuscripts should be submitted as PDF files through the EDAS website: https://edas.info/N24226. A number of **Student Travel Grants** are available for student authors.

Important Dates

Submission Deadline: ~~30 December 2017~~, 6 January 2017 (11:59 pm EST)
Notification of Acceptance: 7 February 2018
Camera-ready Deadline: 28 February 2018

Workshop Organizers

Yin Sun
Anthony Ephremides

Technical Program Co-chairs

Yin Sun
Anthony Ephremides
Bo Bai