

INSTRUMENTATION DIVISION

The **INSTRUMENTATION DIVISION** of **ASEE** seeks abstracts on all instrumentation related activities. The committee is interested in papers which present the results of a research, educational activities, innovative applications, and state-of-the-art instrumentation solution on any topic falling within the broad scope of **industrial, laboratory, research, Instrumentation and controls**.

Topics include, but are not limited to:

- Instrumentation in Laboratory for educational activities
- Instrumentation for research activities
- Instrumentation aspects of industrial control applications
- Data acquisition and processing instrumentations
- Computer-based measurements and controls
- Computer-based direct control applications
- Internet-based and online measurements and controls
- Applications of virtual instrumentation for laboratory, research and developments activities
- Embedded control and related instrumentation
- Applications of software tools for industrial controls
- Innovative education usage of laboratory instrumentation
- Industrial process control instrumentation systems
- Wireless control instrumentation
- Industrial networking and controlling instrumentation and control buses
- Instrumentation in packaging and machinery industry especially for high speed applications
- Applications of Mechatronics systems in controls
- Remote monitoring and controlling of industrial processes
- Human Machine Interface (HMI) and its applications in industry
- Programmable Logic Controllers (PLCs) and its applications in industry
- Instrumentation-related technologies for educational institutions
- Modeling and simulation of mechatronics devices and systems
- High speed camera vision systems and their industrial applications



Important Deadlines

September 3rd, 2019	Abstract Submission Open
October 14th, 2019	Abstract Submission Deadline
February 3rd, 2020	Draft Paper Submission Deadline

Note: for more details on important deadlines please visit: <https://www.asee.org/annual-conference/2020/paper-management/important-deadlines>

Abstracts of 200-300 words should be submitted via the ASEE web site. Submission deadlines and details are available and updated regularly on the ASEE Web site (<http://www.asee.org>). **At least one author for each paper is expected to register for and present at the conference.**

The **Instrumentation Division** sponsors a **Best Paper Award** consisting of an instrument from a sponsor and a cash prize. All presented papers submitted to the division are considered for the award. Individuals interested in participating in the peer-review process should contact the program chair (e-mail is preferred).

In 2020 our division is also planning to hold a panel discussion session involving industry representative, authors and other pertaining people that represent the division

Please direct questions to the **Instrumentation Division Program Chair:**

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