The Internet of Things (IoT) in the Laboratory

By Guest Editors Jay Gill, Ph.D. (consultant) and Erik Werner (SLAS Graduate Fellow and University of California, Irvine)

SLAS Technology invites the submission of abstracts on topics related to the technologies behind the Internet of Things (IoT) for publication in a 2018 special issue. Manuscript proposals (abstracts) will be used to select and invite papers for review and publication consideration.

SLAS Technology is looking for high-quality, short or full-length original research, reviews and perspectives. Areas of interest include but are not limited to:
- The use of low cost microcontrollers to control laboratory apparatus
- Development of laboratory equipment using microcontrollers and inexpensive sensor technology
- Novel experiments made possible by the use of IoT technology
- Cloud-based laboratory data analysis
- Applications related to monitoring laboratory process and equipment
- Uses of systems like Arduino or Raspberry Pi
- Development of software for IoT technology
- Combined use of IoT and 3-D printing technologies to enable rapid prototyping in the laboratory

Submit your abstract before Oct. 14, 2017

1. Submit a title and abstract (up to 500 words) as an MSWord document/attachment to nhallock@slas.org. Please refer to the SLAS Technology Instructions for Authors at www.slas.org/publications/scientific-journals/author-instructions.

2. Include SLAS Technology Special Issue / IoT in the subject line of your e-mail.

3. Include your name, affiliation and contact info in the text of the e-mail and in your MSWord document.

Invited authors will be notified by Oct. 18, 2017. Final manuscripts and related materials will need to be completed and submitted by Feb. 16, 2018. All submitted articles will be subject to peer-review to ensure scientific rigor, clarity of expression and integration with other contributions in the SLAS Technology Special Issue. Submissions from SLAS members and non-members are welcome.

Questions? Please e-mail nhallock@slas.org or call +1.630.256.7527, ext. 106.

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