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Announcing an Issue of the IEEE

JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS on
Emerging Areas in Integrated Photonics

Submission Deadline: February 1, 2018

Hard Copy Publication: November/December 2018

The IEEE Journal of Selected Topics in Quantum Electronics (JSTQE) invites manuscript submissions in **Emerging Areas in Integrated Photonics**. Over the years, integrated photonics has been advancing in performance and functionality. New materials, new integration platforms, processes, devices, and architectures are being explored for ever-increasing application domains, spanning from traditional computing/communication to data centers, cyber-physical systems, and the Internet of Things. The purpose of this issue of JSTQE is to present the state-of-the-art in this field through a collection of original and invited papers ranging from fundamental physics to applications. This special issue will be solely devoted to the most recent developments in integrated photonics over the last few years and will serve as a universal resource for future development. The scope of the issue covers all aspects of theoretical and experimental integrated photonics research including:

- Energy efficient optical interconnects
- Integrated quantum optics and computing
- UV and visible integrated photonics
- Mid-infrared photonics
- Nonlinear integrated photonics
- Integration architectures for neuromorphic computing

The Primary Guest Editor for this issue is **Weidong Zhou**, University of Texas at Arlington, USA. The Guest Editors are **Gunther Roelkens**, Ghent University-IMAC, Belgium; **S. J. Ben Yoo**, University of California, Davis, USA; **Michael Gerhold**, Army Research Office, USA; **Lan Fu**, Australian National University, Australia; and **Juejun Hu**, Massachusetts Institute of Technology, USA.

The deadline for submission of manuscripts is **February 1, 2018**. Hardcopy publication of the issue is scheduled for **November/December 2018**.

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For inquiries, please contact:

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The following documents are required during the mandatory online submission at: <http://mc.manuscriptcentral.com/jstqe-pho>.

1) PDF or MS Word manuscript (double column format, up to 12 pages for an invited paper, up to 8 pages for a contributed paper). Manuscripts over the standard page limit will have an overlength charge of \$220.00 per page imposed. Biographies of all authors are mandatory, photographs are optional. See the Tools for Authors link: www.ieee.org/web/publications/authors/transjnl/index.html.

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