



Preliminary Call for Papers

Announcing an Issue of the IEEE
JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS on

Programmable Photonics

Submission Deadline: December 1, 2019
Hard Copy Publication: September/October 2020

The **IEEE Journal of Selected Topics in Quantum Electronics** (JSTQE) invites manuscript submissions in the area of **Programmable Photonics (PP)** featuring state-of-the-art reconfigurable optical devices

- Programmable photonic circuits
- Integrated microwave photonic circuits
- Phase-change photonic devices
- Optomechanically tunable components
- Low-temperature programmable optics
- Reconfigurable electro-optical devices
- Heterogeneous integration with active materials
- Tunable quantum photonic systems
- Adaptive 2D-3D photonic components
- All-optical programmable photonic circuits
- Erasable integrated optic components
- Programmable photonics for quantum technologies
- Reconfigurable metasurfaces
- Thermo-optic devices and materials
- Piezoelectric tunable devices
- Acousto-optic tunable devices
- Reconfigurable waveguide arrays
- Multipurpose optical circuits
- Field-programmable photonic devices
- Microwave and optical oscillators
- Machine learning photonics
- Training of photonic neural network
- Wavefront shaping
- Programmable multimode devices
- Energy efficient tunable devices
- Large-scale photonic circuits
- MEMS-based tunable circuits
- Topological photonics

Related topics not included in the list above are also welcomed. The Primary Guest Editor for this issue is **David Marpaung**, University of Twente, the Netherlands. The Guest Editors of the issue are **Radan Slavik**, ORC Southampton, UK, **Leimeng Zhuang**, IMEC, USA, and **Wolfram Pernice**, University of Muenster, Germany.

Unedited preprints of accepted manuscripts are normally posted online on IEEE Xplore within 1 week of the final files being uploaded by the author(s) on ScholarOne Manuscripts. Posted preprints have digital object identifiers (DOIs) assigned to them and are fully citable. Once available, the preprints are replaced by final copy-edited and XML-tagged versions of manuscripts on IEEE Xplore. This usually occurs well before the hardcopy publication date. These final versions have article numbers assigned to them to accelerate the online publication; the same article numbers are used for the print versions of JSTQE.

For inquiries, please contact:

IEEE Photonics Society JSTQE Editorial Office - Chin Tan Lutz (Phone: 732-465-5813, Email: c.tanlutz@ieee.org)

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/transinl/index.html.

2) MS Word document with full contact information for all authors as indicated below:

Last name (Family name), First name, Suffix (Dr./Prof./Ms./Mr.), Affiliation, Department, Address, Telephone, Facsimile, Email.

JSTQE uses the iThenticate software to detect instances of overlapping and similar text in submitted manuscripts and previously published papers. Authors should ensure that relevant previously published papers are cited and that instances of similarity are justified by clearly stating the distinction between a submitted paper and previous publications.