



Call for Papers

Announcing a Special Issue of the
IEEE Journal of Selected Topics in Quantum Electronics on
Flexible Optoelectronics

Submission Deadline: **August 1, 2023**

Hard Copy Publication: May/June 2024

The *IEEE Journal of Selected Topics in Quantum Electronics* (JSTQE) invites manuscript submissions in flexible optoelectronics. The field of flexible optoelectronics is broad and multi-disciplinary, and draws upon knowledge in fields ranging from, amongst others, optics and photonics; organic or inorganic materials; device physics/engineering; nanoscience and nanoengineering; mechanics; neuroscience; signal processing; computing; and bioscience. Research focuses on advancing fundamental knowledge and techniques, as well as applications in diverse areas from communications/displays to biological engineering. The purpose of this issue is to provide an overview of ongoing progress and trends in advancing the knowledge, understanding, and novel applications of flexible optoelectronics. Areas of interest include (but are not limited to):

- Flexible light emitting diodes (LEDs)
- Flexible laser diodes (LDs)
- LEDs/LDs with new materials (QDs, perovskites, etc.)
- LEDs/LDs with nanostructures (0D, 1D, 2D)
- Flexible optical modulators/waveguides
- Optical communications in flexible forms
- Flexible displays
- Flexible color filters and/or reflective displays
- Stretchable forms of optoelectronic devices/systems
- Flexible photodetectors (PDs)
- Flexible photovoltaics (PVs)
- PDs/PVs with new materials (QDs, perovskites, etc.)
- PDs/PVs with nanostructures (0D, 1D, 2D)
- Flexible image sensors
- Bio-inspired photonic devices/systems
- Bio-integrated photonic devices/systems
- Neuromorphic photonic devices in flexible forms
- UV, visible, near-, mid-, and far-IR regions

Primary Guest Editor: Young Min Song, Gwangju Institute of Science and Technology, Republic of Korea

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Website submissions: ScholarOne Manuscripts: <http://mc.manuscriptcentral.com/jstqe-pho>

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The following documents are required: 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