Call for Papers

Special Section on
Fabrication technologies supporting the Photonic/Nanostructure Devices

The IEICE (Institute of Electronics, Information and Communication Engineers) Transactions on Electronics announces a forthcoming special section entitled “Fabrication technologies supporting the Photonic/Nanostructure Devices” to be published in February 2017.

Optical devices are now broadly utilized in our life, for example; for internet network, projection technologies, traffic signals, and non-radiative medical sensing technologies. The devices are taking the latest technologies in to their structures; ex) Nano fabrication technologies, Si-photonics technologies, and are growing toward various applications. This special section will focus on epitaxial growth technologies, material processing technologies, and their equipment from basic to the latest, which are used to fabricate semiconductor lasers, light emitting diodes, Nano-structure optical devices, optical integrated circuits, and so on. The objective of this special section is to introduce the fabrication technologies, and promote the optical devices’ industry, research, and development.

1. Scope
The major topics of interest include the fabrication technologies for optical devices (but not limited to):
- Epitaxial growth, Material processing (ex. dry etching, wet etching, wafer bonding, methods for forming electrodes, and so on) and Characterization, for the optical devices
- Packaging technology for the optical devices, Optoelectronics packaging technology
* The above described technologies are for; Semiconductor lasers, Light emitting diodes, Optical waveguides, Photonic crystal, Nano photonics, Optical semiconductor amplifiers, Optical sensors, Optical Recording (or Optical Memory, Optical Storage), Optical receivers, Medical photonics, Optical modulators, and so on.

2. Submission Instructions
The deadline for submission is extended to June 17, 2016. This special section will accept only PAPERS (Full Papers) and BRIEF PAPERS. The standard number of pages is eight for PAPER, and four for Brief Paper. Manuscripts should be prepared according to the guideline in the “Information for Authors”. The latest version is available at the web site, http://www.ieice.org/eng/shiori/mokuji_es.html. The page charges are considerably higher for extra pages. The term for revising the manuscript after acknowledgement of conditional acceptance for this special section could be shorter than that for regular issues (60 days) because of the tight review schedule.

This special section will accept only papers by electronic submission. Prospective authors are requested to follow carefully the submission process described below.

Submit a manuscript and electronic source files (TeX/Word files, figures, authors’ photos and biography) via the IEICE Web site https://review.ieice.org/regist/regist_baseinfo_e.aspx. Authors should choose the [Special-PN] Special Section on Fabrication technologies supporting the Photonic/Nanostructure Devices as a “Journal/Section” on the online screen. Do not choose [Regular-EC].

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