

# Call for Papers

**Preliminary**

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

## **High Power Fiber Lasers**

**Submission Deadline: September 1, 2008**

*IEEE Journal of Selected Topics in Quantum Electronics* invites manuscript submissions in the area of solid state photonics. The purpose of this issue of JSTQE is to document recent advances in the areas of high power fiber laser technology. Broad technical areas include (but are not limited to):

- ▶ Fiber design, fabrication and properties; components
  - design, fabrication and characterization techniques for novel fibers, fiber materials and dopants
  - photodarkening
  - large-mode-area and dispersion-tailored fibers in glass-air or all-glass geometries
  - distributed filtering
  - polarization preservation
  - fiber and volume Bragg gratings and other components
- ▶ Fiber lasers and amplifiers
  - modeling and realization of fiber lasers and amplifiers for all wavelengths, linewidths, and temporal regimes
  - beam propagation control and pulse shaping
  - thermal management
  - pump coupling, and all aspects of packaging and integration
- ▶ Fiber nonlinearities
  - management and application of fiber nonlinearities (FWM, SPM, SRS, SBS, etc.)
  - spatial Kerr effects

The Guest Editors for this issue are **Johan Nilsson**, University of Southampton – Optoelectronics Research Center, Southampton, UK; **Siddharth Ramachandran**, OFS Labs, Somerset, NJ, USA, **Thomas Shay**, Air Force Research Labs – DELO, Kirtland AFB, Albuquerque, NM, USA, and **Akira Shirakawa**, University of Electro-Communications – Institute for Laser Science, Tokyo, Japan

The deadline for submission of manuscripts is **September 1, 2008**; publication is scheduled for January/February of **2009**.

Online Submission is Mandatory at: <http://mc.manuscriptcentral.com/leos-ieee> Please select the Journal of Selected Topics Of Quantum Electronics Journal from the drop down menu. Contributed papers should be up to eight pages in length, and invited up to 12 pages. Beyond that, a charge of \$220 per page apply. All submissions will be reviewed in accordance with the normal procedures of the Journal. You may find the Tools for Authors link useful: <http://www.ieee.org/web/publications/authors/transjnl/index.html>.

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Contact [c.tan-yan@ieee.org](mailto:c.tan-yan@ieee.org) for any questions about this issue. For all papers published in *JSTQE*, there are voluntary page charges of \$110.00 per page for each page up to eight pages. Invited papers can be twelve pages and Contributed papers should be 8 pages in length before overlength page charges of \$220.00 per page are levied. The length of each paper is estimated when it is received. Authors of papers that appear to be overlength are notified and given the option to shorten the paper. Additional charges will apply if color figures are required.

The following supporting documents are required during manuscript submission:

1) .doc manuscript (double columned, 12 pages for an Invited Paper. Contributed paper should be double columned, 8 pages in length.) Bios of ALL authors are mandatory, photos are optional. You may find the Tools for Authors link useful:

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4) .doc list of ALL Authors FULL Contact information as stated below:

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