

JOM Call for papers

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Manuscript Deadline: *March 1, 2023*

Recent Advancements in Optoelectronics & Photonics

Significant advancements in optoelectronics and photonics encompass new materials including 2D materials, active and passive devices, circuits & systems and methods of integration. From a materials perspective, there has been a better understanding of the processes, role of defects and dislocations, stresses and scaling. The mature, reliable, scalable and cost-effective approach to silicon technology is slowly and steadily making its way to silicon photonics. The significant advancements in silicon and non-silicon based optical filters, transceivers, modulators, waveguides, photodetectors, sensors, solar cells, LIDARs, spectrometers and other related devices are just a few examples of the growth in photonics and optoelectronics. This special topic is anticipated to bring together results from research that is being performed in academia, industry and national labs.

Original research papers should be 3,000-9,000 words with up to 12 figures maximum; review papers should be 6,000-11,000 words with up to 20 figures maximum.

Detailed author instructions are available at:
<http://www.tms.org/AuthorTools/>

Keywords for this topic: *Advanced Processing; Characterization; Electronic Materials; Nanotechnology; Thin Films and Interfaces; Silicon Photonics; Optoelectronics; Multifunction; Integrated Circuits; Interconnects; Devices; Circuits; Systems*

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If you are interested in submitting a paper, upload your manuscript at
<https://www.editorialmanager.com/jomj/>

Please note that all submissions will be subject to peer review. Submission does not guarantee acceptance.

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