Special Issue

Strain in III–V Materials and Devices: Methods for Estimation and Effects

Message from the Guest Editor

The goal of this Special Issue is to collect articles on methods for the estimation of strain in III–V materials and devices, and on the effects of strain on these materials and devices. The intent is to provide, in one issue, information on the performance and limitations of the various methods to estimate strain, to demonstrate the measurement techniques, and to illustrate the effects of strain on III–V devices and materials. Submissions that discuss and demonstrate new methods for the estimation or measurement of strain are encouraged. These new methods could include machine-assisted learning or finite element method (FEM) simulations coupled with optical measurements of some type. In addition, submissions that report original measurements of the effects on strain on III–V devices are encouraged. The strain in these original measurements could be caused by die attach, wafter bonding, diffusion, dielectrics, metallization, geometry, or any of the many fabrication steps required to make a device.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2023)

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Optics (ISSN 2673-3269) aims at establishing *Optics* as a leading journal for publishing high impact fundamental research and applications in optics field with a fast processing time and high quality service. The journal particularly welcomes both theoretical (simulation) and experimental research within our journal's scope. We encourage scientists to publish their experimental and theoretical results in as much detail as possible. So, there is no restriction on the length or pages of the papers. The full experimental details must be provided so that the results can be reproduced. Electronic files and software regarding the full details of the calculation or experimental procedure, if unable to be published in a normal way, can be deposited as supplementary electronic material.

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