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**Jean-Emmanuel Broquin
Christoph M. Greiner**
Editors

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Introduction

Since the concept of Integrated Optics was introduced by Miller in 1969, this field of research has kept evolving year after year, renewing itself constantly and, sometimes, surprisingly. Indeed, though the telecom bubble exploded, Integrated Optics kept on moving, finding applications in sensors and bio-chips but also in fields that may appear unlikely upon first glance, such as Astronomy.

This wealth of Integrated Optics applications is accompanied by a great breadth of technological and design approaches. From the well-known "Silica-on silicon" based waveguides to new plasmonic devices, from microresonators to diffractive devices, the conference Integrated Optics: Devices, Materials, and Technologies has been trying to reflect the vitality and the diversity of this field. In these proceedings, the reader will therefore see new advanced work on diamond waveguides and mid-infrared waveguides, as well as the "re-invention" of Lithium Niobate devices thanks to the use of ion-slicing.

The reader will find articles written by students, who quite often gave their first international talk at this conference, together with papers from renowned scientists of the field. It is indeed because today's students are tomorrow's scientific leaders that our conference has a long-standing tradition of promoting their participation and will keep on doing so, enabled by the generous SPIE student grant policy.

If Integrated Optics: Devices, Materials, and Technologies is now one of the oldest conferences of the SPIE Optoelectronics symposium, it is, on one hand, due to the high quality of the scientific work that has been presented throughout the years, and, on the other hand, it is also due to the dedication of its program committee members who willingly spend part of their summertime building the conference and finding the exciting invited talks that we see every year. To them, to the speakers and authors, and to the SPIE staff that makes the logistics run so smoothly, we would like to express our gratitude. We are looking forward to seeing you next year!

Jean-Emmanuel Broquin
Christoph M. Greiner