

Editorial

Since the advent of room temperature laser diodes and low loss optical fibers, photonics research, driven by the rational design of optical confinement and heterogeneous material structures, as well as by the ever expanding use of quantum effects and of functional integration on the same chip, has leveraged the expertise of diverse science and engineering disciplines. The resultant integration of disciplinary expertise has since matured into a practical vision for subwavelength scale applications and the attendant proliferation of new specialty fields of research, such as biophotonics, photonic crystals, metamaterials, plasmonics and terahertz optics, among others.

Welcome to the inaugural issue of *Nanophotonics*, a new interdisciplinary journal dedicated to following the ongoing scholarship on light-matter interaction at the nanoscale among a rapidly evolving international optics community. Under the leadership of Prof. Federico Capasso (Head of the Editorial Board) and an international Scientific Editorial Board comprised of leading authorities and pioneers, the mandate of *Nanophotonics* is to offer an authoritative and critical new voice for evaluating transformative discoveries in fundamental nanomaterial properties and device applications. The scientific strategy of this new journal is to enhance the quality of the peer review process, by adhering (beginning with the second issue) to

- **a double blind referee process**, wherein authors have the option to submit their article without revealing their name or affiliation to the scientific editor or referees; and

- **an increased level of quality control and scientific standard** by listing the scientific editor who has been in charge of the review process.

Articles in *Nanophotonics* will appear in three distinctive formats:

- (i) **review articles**, offering *authoritative* assessment of past studies;
- (ii) **research articles** and **letters**, offering *timely*, rapid-referee evaluation of leading edge discoveries; and
- (iii) **opinion articles**, offering critical consideration on recent advances and new research directions.

Guided by an editorial board of renowned leaders, *Nanophotonics'* commitment to publish a high impact factor collection of reviews, research and opinion articles will serve to both broaden the dialog and accelerate the interaction among today's multi-disciplinary photonics researchers.

In its first year, *Nanophotonics* will be produced on a quarterly basis, with one of the issues devoted to a special topic. Welcome to the launch of this highly anticipated new publication. We invite you to embrace its unique format as a forum for your own impactful work.

The Editors