



Photonic Microsystems

Guest Editor:

Prof. Dr. Christophe Gorecki

Physical Optics and Biophotonics
Group, Institute of Physical
Chemistry, Polish Academy of
Sciences, Warsaw, Poland

Deadline for manuscript
submissions:

closed (30 November 2020)

Message from the Guest Editor

The present Special Issue on « Photonic Microsystems » will be a forum for scientists, who are harnessing light, or photons, and control its propagation phenomena via interaction with produced structures at the micro- and nano-scale. This leads to diverse applications in technology fields such as imaging, communication, sensing, and instrumentation, as well as sciences such as biology and medicine, chemistry, and fundamental physics. This Special Issue will cover a broad range of topics from the field, including but not limited to the following :

- Free-space and guided-wave micro-optics
- The optical scanners and micromirrors
- Adaptative optics
- Micro-optical systems for imaging
- Microactuators for photonic devices
- Adaptative and tunable micro-photonics
- Telecom devices
- Spatial light modulators
- Optofluidics
- Microspectrometers
- MOEMs sensors
- Cavity optomechanics
- Nanophotonics including nanoplasmonics, metamaterials, and metasurfaces
- Micro- and nano-photonic displays
- Silicon photonics
- Nanoscale sources and emitters
- Photonic crystals

