



Special Issue on Optics and Photonics at Politecnico di Milano

Submission Deadline: 30 April 2024

- **Illustration**

This featured issue is cooperated with Politecnico di Milano and journal Light: Science & Applications. It aims to highlight the most fascinating research works in optics and photonics performed recently at Politecnico di Milano, including basic, applied and engineering research and applications.

- **Brief introduction of Politecnico di Milano:**

Founded in 1863, Politecnico di Milano is the largest school of engineering, architecture and design in Italy, with two main campuses located in Milan and five more branches around the Lombardy region. Politecnico di Milano includes 12 academic departments and is organized into 6 schools, which count nearly 50000 enrolled students and about 1.900 PhD students. It is ranked among the most prestigious universities in the world, being in the top 20 universities for Engineering&Technology, and in the top 10 for Art&Design and Architecture (2023 QS World University Rankings). Politecnico di Milano has educated a wide range of notable alumni, among them Achille Castiglioni, Gio Ponti, Gae Aulenti, Renzo Piano and Aldo Rossi, both Pritzker Prize in 1990 and 1998 respectively, and Giulio Natta, Nobel Prize in Chemistry in 1963.

- **The types of invited papers**

Research Article /Review/Perspective

● Topics

The particular interest within the Featured Issue's scope include, but are not limited to, those listed below:

- Biophotonics and Medical Optics
- Optical Imaging and Display
- Optical Materials, Metamaterials and Photonic Crystals
- Optical Communications and Fiber Optics
- Quantum Optics and Quantum Information
- Optoelectronics Devices and Photodetectors
- Lasers and Laser Optics
- Micro, Nano and Integrated Photonics
- Nonlinear Optics
- Ultrafast Optics and Femtosecond/Attosecond Spectroscopy

● Guest Editors-in-Chief



Professor **Francesco Morichetti**, Politecnico di Milano

Francesco Morichetti is Associate Professor at Department of Electronics, Information and Bioengineering (DEIB) of Politecnico di Milano, where he is also Head of the Photonic Devices Lab (<https://photonics.deib.polimi.it/>). He carries out research in the field of integrated photonics for applications in fiber and free-space optical communications and photonic computing, with particular focus on advanced techniques for diagnostics, monitoring and automated control of programmable photonic integrated circuits. He is a member of the scientific panel of Spotlight on Optics (Optica), he serves as Specialty Chief Editor of Frontiers in Photonics, and he is in the technical committee of several international and national conferences. He is the author of more than 100 papers in peer-reviewed journals, more than 200 international conference proceedings and he holds 8 international patents.



Professor **Giulio Cerullo**. Politecnico di Milano

Giulio Cerullo is a Full Professor at the Physics Department, Politecnico di Milano, where he leads the Ultrafast Optical Spectroscopy laboratory. His research activity focuses on the generation of tunable few-optical-cycle light pulses and on their application to the study of primary photoinduced processes in molecules, nanostructures and two-dimensional materials. He has published more than 500 papers which have received over 30000 citations (H-index 86, Scopus). He is a Fellow of the Optical Society of America, of the European Physical Society, a member of the Accademia dei Lincei and past Chair of the Quantum Electronics and Optics Division of the European Physical Society. He has been General Chair of the conferences CLEO/Europe 2017, Ultrafast Phenomena 2018 and International Conference on Raman Spectroscopy 2022. He is the 2023 recipient of the EPS-QEOD Quantum Electronics Prize. He holds 10 patents and is the cofounder of two spin-off companies.