

## Special Issue

# Advances on Dielectric Photonic Devices and Systems beyond Visible

### Message from the Guest Editors

The recent technological advances in the field of dielectric photonics, integrated optics, and optical fiber-based systems have paved the way for novel application areas based on the employment of optical beams as a feasible alternative to radio frequencies or microwave signals. Further improvement of sensor performances can be obtained by covering dielectric structure with thin metal layer exploiting plasmon propagation or resonance. Moreover, surprising applications have been originated from the progresses in the field of optical amplification, fluorescent probes, luminescent labels, optical converters, switches, detectors, etc. More details, please see: <http://d-photon.fbk.eu/>. This Special Issue collects both original contributions and review papers on the optical devices and systems beyond visible, covering an extremely wide area of interest which ranges from telecommunication to optical remote sensing and earth atmosphere monitoring, from medical diagnosis and therapy to material processing, and from aerospace to security.

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### Guest Editors

Prof. Dr. Francesco Prudenzeno

Prof. Dr. Antonella D'Orazio

Dr. Maurizio Ferrari

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### Deadline for manuscript submissions

closed (10 July 2020)



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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