



LiDAR and Time-of-flight Imaging

Guest Editors:

Dr. Santiago Royo

1. Centre for Sensors,
Instrumentation and Systems
(CD6), Universitat Politècnica de
Catalunya (UPC), Rambla Sant
Nebridi 10 E08222 Terrassa,
Barcelona, Spain
2. Beamagine S.L., C/Bellesguard
16 E08755 Castellbisbal,
Barcelona, Spain

Dr. Jan-Erik Kallhammer

Director of Visual Enhancement
and Cognitive Systems, Veoneer,
Inc. SE-103 02 Stockholm,
Sweden

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Message from the Guest Editors

Dear Colleagues,

Time-of-flight and lidar imaging are currently one of the main drivers of the applied development in optomechanics and electronics. There is a compelling need to develop robust and cost-effective lidar sensors for the autonomous vehicle industry, and in particular for automotives. This has resulted in a number of different radiometric modelling approaches, and in intense activity in the development of novel components, including sources, detectors, and optics. Advances in lidar, however, also need progress in the behavior of lidar imaging units in inclement weather, or on the software side, as in strategies for the management of dense point-clouds in real time, or in miniaturization for mobile phone applications. Progress beyond the state of the art in such a number of different fields of applied science activities is required to bring lidar imagers closer to become the next step in optical imaging and to change our perception of the world.

Prof. Dr. Santiago Royo Royo;

Dr. Jan-Erik Kallhammer

Guest Editors





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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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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