Special Issue

LiDAR and Time-of-flight Imaging

Message from the Guest Editors

Time-of-flight and lidar imaging are currently one 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 inclment 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. Royo;

Guest Editors

Dr. Santiago Royo

1. Centre for Sensors, Instrumentation and Systems (CD6), Universitat Politènnica 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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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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