

## Special Issue

# Emerging Techniques in Imaging, Modelling and Visualization for Cardiovascular Diagnosis and Therapy

### Message from the Guest Editors

The goal of this Special Issue is to disseminate emerging techniques and innovative solutions that comprehensively address unmet needs in cardiovascular disease and can be rapidly translated into the clinical arena in order to significantly improve diagnostic accuracy and precision in treatment delivery, as well as to enhance therapy guidance and procedural success. We invite research contributions from cross-disciplinary scientists and professionals who work in the cardiovascular field at the interface of basic and translational research, medical (bio)physics, engineering, and computer science. Specifically, we welcome papers focused on the development of: advanced techniques in cardiovascular imaging (MRI, CT, ECGI, ultrasound, optics) to investigate structure-function interaction and image analysis (e.g. registration, segmentation, visualization). Submitted manuscripts should not have been published previously, nor be under consideration for publication elsewhere (except for conference proceedings papers, **for which a similarity index less than 40% is imposed**). Dr. Cristian Linte  
Guest editors

### Guest Editors

Dr. Mihaela Pop

Schulich Heart Research Program, Sunnybrook Research Institute, Toronto, ON, Canada

Dr. Cristian A. Linte

Department of Biomedical Engineering, School of Mathematical Sciences, Rochester Institute of Technology, New York, NY, USA

### Deadline for manuscript submissions

closed (30 June 2022)



## Applied Sciences

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*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls@mdpi.com](mailto:appls@mdpi.com)

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

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