



Contactless Vital Signs Monitoring

Guest Editors:

Dr. Gerard De Haan

Philips Research, Department of
Electrical Engineering, Technical
University Eindhoven, Eindhoven,
The Netherlands

Dr. Wim Verkruysse

Philips Research, Department of
Electrical Engineering, Technical
University Eindhoven, Eindhoven,
The Netherlands

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Message from the Guest Editors

Dear Colleagues,

We are excited to invite contributions to our Special Issue on the contactless monitoring of vital signs. Cameras have changed our world in many ways, as billions of images are being sent across the world every day. Their decreasing cost and increasing quality may also revolutionize health care, as ever-more vital signs can be monitored without contacting the subject. While significant steps have been made already, contactless health monitoring is still a young field in which many fundamental and practical questions remain to be answered.

The main focus of this Special Issue will be on the traditional vital signs (i.e., respiration, heart rate, oxygen saturation, blood pressure, core temperature), but we also welcome contributions on adjacent health parameters measured unobtrusively, ranging from tissue perfusion and hydration to actigraphy and sleep-staging. While thermal sensing is included in the scope, radar, THz, and multi-spectral imaging (DC spectroscopy) are excluded. We emphasize that the sensor need not be a camera, as long as the measurement is fundamentally contactless.

Dr. Gerard De Haan
Dr. Wim Verkruysse
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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Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
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