Special Issue

Sensors in Fusion of Lifeforms

Message from the Guest Editor

The "fusion of lifeforms" is a concept that has recently emerged. Its core feature is the deep symbiosis of organic lives and inorganic devices/systems in one physical body. Therefore, the “fusion of lifeforms” transcends the traditional category of "human–machine integration" (such as a variety of prosthetics and brain–computer interfaces). It aims to enhance biological capabilities, the combination of multiple lifeforms, the integration of human intelligence and artificial intelligence, and so on. In the long term, this kind of fusion has the potential to create composite life entities with novel perceptions, unique metabolism forms, and superior cognitive capability. This Special Issue invites the submission of research papers focused on various types of in vivo and in vitro sensors related to the "fusion of lifeforms", including implanted sensors and devices, brain–computer interfaces, human–machine interfaces, artificial skins and organs, and other novel sensors and devices/systems/concepts.

- fusion of lifeforms
- biosensors
- brain–computer interface
- human–machine interface
- artificial skin
- artificial organs

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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