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Frontiers in Nano Communications

Guest Editors:

Prof. Dr. Stefan Fischer

Director of Institute of Telematics, University of Luebeck, 23562 Lübeck, Germany

Dr. Florian-Lennert Lau

Institute of Telematics, University of Luebeck, 23562 Lübeck, Germany

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Message from the Guest Editors

In recent years, the research community has made enormous progress in conceptualizing the fundamental communication mechanism of nanonetworks. Among those are electromagnetic communication, acoustic molecular communication. and communication Electromagnetic communication is limited to the Terahertz band, as antennas are small. This type of communication works for already existing wireless sensor networks. However, it is unclear if there is enough available energy at the nanoscale. Thus, molecular communication has been proposed as an alternative form of communication. One of the most promising materials for the construction of nanodevices and nanonetworks is graphene. Another frequently suggested building material is DNA.

Over the years, researchers suggested many potential applications in medicine, synthetic biology, or material sciences. This Special Issue intends to provide an overview of the current state of the art of tiny sensor and actuator networks. The main areas of interest are papers on nanocommunication paradigms, network architectures, communication protocols, simulation tools, wet-lab experiments, and other applications.

Specialsue



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Editor-in-Chief

Prof. Dr. Lei Shu

 College of Artificial Intelligence, Nanjing Agricultural University, Nanjing 210095, China
School of Engineering, College of Science, University of Lincoln, Lincoln LN6 7TS, UK

Message from the Editor-in-Chief

I encourage you to contribute research and comprehensive review articles for publication in Journal of Sensors and Actuator Networks (JSAN), an international, open access journal which provides an advanced forum for research findings in areas of sensors and actuators. The journal publishes original research articles, reviews, conference reviewed full proceedings (peer articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sensors and actuators and fostering applications of sensor-based measurements and effective actuator incorporation.

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