

Special Issue

3D Printed Sensors: Innovations and Applications

Message from the Guest Editor

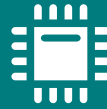
The Special Issue on "3D Printed Sensors: Innovations and Applications" highlights the use of additive manufacturing (AM) techniques for the fabrication of various types of sensors across a wide range of applications. By leveraging the precision and flexibility of AM, sensors such as pressure, temperature, chemical, optical, and biosensors can be custom-designed and manufactured with complex geometries, miniaturization, and multi-material integration. This enables the creation of sensors that are highly tailored to specific requirements in industries like healthcare, automotive, aerospace, and environmental monitoring. The issue will explore how AM enhances the rapid prototyping and scalable production of sensors while offering opportunities for embedding sensors directly into structures or devices during the manufacturing process. Additionally, it will cover advances in materials, printing technologies, and post-processing techniques that improve sensor performance, durability, and functionality. The potential of additive manufacturing to push the boundaries of sensor design for applications such as wearables, smart devices, and IoT networks will also be examined.

Guest Editor

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Deadline for manuscript submissions

closed (31 May 2025)



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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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