



Carbon Nanotubes: Fabrication, Properties and Applications

Guest Editor:

Dr. Filippo Giubileo

Superconducting and Other
Innovative Materials and Devices
Institute—National Research
Council (SPIN-CNR), Via Giovanni
Paolo II, 132, 84084 Fisciano, Italy

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Message from the Guest Editor

Since their discovery on 1991, carbon nanotubes (CNTs) have attracted enormous attention due to their extraordinary electronic properties, high surface-to-volume ratio, and excellent mechanical properties. The development of CNT-based sensors is also necessarily based on fundamental knowledge of the structure/property relationship. However, a wide range of sensors can be developed.

The aim of this Special Issue is to collect recent activities about the fabrication, characterization, and modelling of CNTs-based sensors and actuators. Potential topics include but are not limited to the following:

- Synthesis of high-quality CNTs for sensing applications;
- Design, fabrication, and characterization of CNT-based sensors;
- CNT field effect transistors;
- Metal contacts on CNTs;
- Composite materials;
- Electrochemical sensors;
- Biosensors and chemical sensors;
- Gas sensors;
- Strain and pressure sensors;
- Flow sensors;
- Mass sensors and pH sensors.





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Editor-in-Chief

Prof. Dr. Nicole Jaffrezic-Renault

Institute of Analytical Sciences,
UMR CNRS 5280, Department
LSA, 5 Rue de La Doua, 69100
Villeurbanne, France

Message from the Editor-in-Chief

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Chemosensors Editorial Office
MDPI, St. Alban-Anlage 66
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