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# Carbon Nanotubes: Fabrication, Properties and Applications

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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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