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Fabrication of 3D carbon nanotube structures for sensors and energy storage applications

Professor Michael De Volder

Department of Engineering, University of Cambridge

Date: Wednesday, 5, December. 2018, 13:30-15:00

Venue: Room 232, 3F Faculty of Engineering Bldg. 2

Abstract:

This talk will focus on the development of new techniques to control the microscale organisation of carbon nanotube assemblies. Different fabrication processes to control the organisation of carbon nanotubes will be introduced, along with strategies to control their surface chemistry. This combined microscale and nanoscale control of carbon nanotubes allows for the targetted design of new devices. This presentation will focus on sensors and energy storage devices.

Biography:

Michael De Volder conducted his PhD research at the University of Leuven. He subsequently worked in the field of nanotechnology at MIT and Harvard, as well as for the semiconductor industry at imec before taking up a faculty position at the University of Cambridge. He is currently an Associate Professor (Reader) and is leading the NanoManufacturing group, which is focusing on the scalable processing of controlled nanoparticle structures.

主催: 東京大学大学院工学系研究科専攻間横断型教育プログラム 機械システム・イノベーション（GMSI）
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