

The 301st MANA Special Seminar



Soluble carbon nanotubes -fundamental and advanced materials design-

Chair: Dr. Takashi Nakanishi (Organic Materials Group)

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One of the key issues in the utilization of carbon nanotubes (CNTs) for basic researches together with their potential applications in many areas is to develop a methodology to solubilize/disperse them in solvents. After brief introduction about the strategy to solubilize CNTs in solution, I present our recent study on the following five topics.

- i) Determination of precise electronic states of individually dissolved (n,m) single-walled carbon nanotubes
- ii) SWNT chirality recognition/extraction by polymers and its application
- iii) High conductive transparent SWNT ultrathin films
- iv) CNTs/polymers and their application
- v) Electrocatalyst for fuel cell using soluble

Venue: Auditorium, 1F, WPI - MANA Bldg.

Namiki site

Date: December 14th, Friday Time: 10:30am-11:15am

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