
Mentorship for Young Scientists: Developing Scientific Survival Skills

Speaker: Prof Federico Rosei
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Venue: Blk S13, Level M, Room 11, Physics Conference Room,
Department of Physics, Faculty of Science, NUS

Date: 12th July 2007 (Thursday)

Time: 3.00pm – 4.00pm

Abstract:

In this lecture, I will try to convey a feeling for our course on “Survival Skills for Scientists”. This is a graduate course in my department, in which we give basic advice and offer mentorship to our graduate students and post-docs.

The central theme of the panel discussion is that succeeding in Science requires skills beyond those needed for Science.

The discussion panel is aimed at giving basic advice and mentorship to young scientists (typically first year graduate students).

Topics for discussion include:

- the job market for science graduates,
- comparing different environments such as industry, government labs and academia;
- planning your career;
- ‘playing chess’;
- finding a mentor;
- the peer review system;
- communicating your Science;
- funding your Science;
- Ethics in Science.

Profile:

Federico Rosei received a Laurea degree (1996) and a PhD (2001) in Physics from the University of Rome “La Sapienza”. He worked as a Post-Doctoral Research Associate and Marie Curie Fellow at the Center for Atomic Scale Materials Physics in Aarhus (Denmark) from the end of 2000 until April 2002. He then joined the faculty at INRS- Energie, Matériaux et Télécommunications, Université du Québec as Assistant Professor in May 2002. Only two years later, he was promoted to Associate Professor, with tenure. He is recipient of a Strategic FQRNT Fellowship for New Professors from the Province of Quebec and holds the Canada Research Chair in Nanostructured Organic and Inorganic Materials.

Dr. Rosei’s research interests focus on the properties of nanostructured materials, and on how to control their size, shape, composition, stability and positioning when grown on suitable substrates. He has extensive experience in fabricating, processing and characterizing inorganic, organic and biocompatible nanomaterials.

He has co-authored about 50 articles in prestigious international journals (including *Science*, *Physical Review Letters*, *J. Am. Chem. Soc.*, *Angewandte Chemie*, *Nanoletters*, *Small*, *Phys. Rev. B* and *Applied Physics Letters*) and has given about 60 Invited, Keynote and Plenary Talks at international conferences and over 80 seminars at Universities, Government and Industrial Laboratories since 2000.

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