



WINTER SCHOOL ON EMERGING NANOTECHNOLOGIES

Organised by Grenoble Ecole de Management,

In collaboration with IEP - Grenoble, ESIEE-Univ Paris Est-LAST and FRIDA partners

Supported by ANR-France

March, 28th – April, 1st, 2011

Autrans, near Grenoble, FRANCE

Rationales

Nanotechnology is a growing multidisciplinary field of interest for social scientists. Recognizing the tremendous scientific and economic potential of nanoscale science and technology, public authorities and firms are investing in the development of nanotechnologies. At the same time, nanotechnologies raise many societal, managerial and economic questions including how nanotechnology differs from prior technologies, the role of public policies in driving the development of nanotechnologies, the emergence of clusters and networking in nanotechnologies, and the wider implications of nanotechnology for social and economic development.

The aim of the winter school is to explore issues related to nanotechnologies so as to better understand possible trajectories of development of nanotechnologies in different areas: To what extent do nanotechnologies exemplify a new regime of development? To what extent social scientists may focus on nanotechnologies to renew scientific approaches in sociology, economics and management of innovation? To what extent can we transfer strategies and recommendations from biotechnology and information technologies to nanotechnologies?

The progress of research in innovation and emerging technologies relies upon the commitment and creativity of advanced PhD students, post doctoral fellows and junior



scholars who explore new questions and advance both theoretical and empirical work. They play an essential role in the development our field.

The partners of the different projects put particular emphasis on supporting the academic development of younger scholars and their integration in the academic community(ies). The purpose of this workshop is to stimulate interactions amongst social scientists who are exploring nanotech related issues. It aims at reinforcing the dialogue within the community of scholars studying nanotechnologies from different perspectives.

In particular, the workshop seeks to:

- *Facilitate the academic socialisation of junior scholars* by offering sessions and in-depth discussion about forefront research studying the evolution of nanotechnologies.
- *Emphasise the importance and offer support in improving junior scholars' publication capabilities* as a means to strengthen their publication record and contribute to the advancement of the scientific community. The workshop is a forum of exchange and dialogue between senior and junior scholars on scholarly writing and reviewing.
- Provide an arena for explorations of issues on the cutting edge of research in areas, such as interdisciplinary studies, and methodological issues.

Content

The Workshop is a five-day event (beginning on Monday and finishing on Friday afternoon) in a mountain location usually sunny at that period (Autrans <http://www.autrans.com/en/summer/index.html>). The programme is organised around five sets of new questions:

1. Management of nanotechnologies, Business models, managing converging technologies, etc.
2. New ethical questions around nanotechnologies and risk governance, from risk safety to public debates
3. Scientific and technological dynamics in nanotechnologies, institutional arrangement, individual logics, role of regulation, role of platforms, clusterisation and networks, etc.
4. Geography of nanotechnologies, governance of clusters and networks, institutional transformations
5. Economics of nanotechnologies: Lessons from previous high tech in the hype, respective roles of incumbents and start-ups, etc.

Expected participants

- 25 junior scholars in social sciences who are studying nanotechnologies: PhDs, post docs and junior faculties in social sciences (economics, sociology, political science and management).
- 10-12 senior scholars and facilitators who are enthusiastic to engage a dialogue with junior faculties.

Faculties

- Philip Shapira has been working on nanotechnology research and commercialization since 2005, examining emerging markets, the geography of innovation, and knowledge exchange in nanotechnology development. He is professor at the University of Manchester and Georgia Institute of Technology.
- Steve Grover is a professor of management and deputy dean at the University of Otago in Dunedin, New Zealand. He studies leader integrity, and ethics. He has been serving as a member of the EGOS board from 2005-8.
- Andrew Parker, PhD at Stanford University, did extensive works on networks. He has been co-authoring two books on networks with R. Cross and L. Sasson. He is Associate Professor at Grenoble Ecole de Management
- Gianni Lorenzoni, University of Bologna, is Professor of strategic management, coordinator of the FRIDA program, President of PNI Cube - the Italian organizer of 50 K competition for new firms. The main areas of research are industrial clusters, network organizational form, strategic network, technological entrepreneurship
- Barthelemy Chollet is associate professor at Grenoble Ecole de Management. He did extensive analysis of the role of personal networks on the innovation dynamics.
- Daniella Baglieri is Associate Professor in Management at the University of Messina (Italy). She received a Master of Science in “Management of Innovation” from Sant’Anna School of Advances Studies, in Pisa (Italy) and her Ph.D. in Management from the University of Catania (Italy). Her research interests include technology entrepreneurship (mostly in biotech and nanotech industries), high tech clusters dynamics, and co-opetition strategy for knowledge creation and rent appropriation.
- Giovanni Battista DAGNINO is Deputy Chair and Professor in the Department of Business Economics and Management of the University of Catania, Italy. He is also faculty member of the European Institute for Advanced Studies in Management

(EIASM) in Brussels. He serves in the Group Scientific Advisory Committee of Grenoble Ecole de Management and is the lead investigator of FRIDA Catania unit, which studies the emergence and development of regional nanotech clusters rooted in anchor firms and network strategies. His research also focuses on entrepreneurial governance and cooperation strategy dynamics.

- Caroline Gauthier is Associate professor at Grenoble Ecole de management. Her research stands at the intersection of Management and Marketing of Innovation and Sustainable Development. She published more than 10 papers published in journals like International Journal of Environmental and Technological Management, Ecological Economics, Journal of Business Ethics, Decision Marketing and Expansion Management Review.
- Severine Louvel is associate professor in sociology at Grenoble Institute for Political Studies and researcher at the PACTE department. Her current research interests include academic careers, politics of research evaluation in Europe, and the institutionalization of higher education in nanosciences and nanotechnologies.
- Professor Philippe Laredo, University Paris Est (IFRIS) and University of Manchester.
- Vincent Mangematin is Professor of Strategic Management of Innovation at Grenoble Ecole de Management. He studies nascent markets and the emerging forms of innovations, focusing mostly on high tech sectors and creative industries. He has been serving as a member of the EGOS board from 2004-10.
- Professor Philippe Robert has a PhD

Format and programme

The programme consists of four modules:

- Presentations from leading academics
- Thematic sessions :
 - Mapping networks (Parker/Chollet)
 - Tools to map business models (Dagnino/Mangematin)
 - Individual trajectories (Louvel/Stephan)
 - Discussing Ethics (Grover/Gauthier)
 - Cluster and networks (Baglieri/Shapira)
 - Qualitative research (Grover, Mangematin)
 - Dealing with patents and publications in nanotechnologies
- Writing for scholarly publication

- Interaction with scientists in nanotechnologies

Programme

	9h00-11h00	11h30-13h00	13h30-15h30	16h00-18h00	Late session
Monday 28 th	Travel by bus from Grenoble to Autrans	Presentation of the workshop, round table	Session 1. Ph Shapira	Work by sub-group on papers (1)	Writing for leading journals Gianni Lorenzoni
Tuesday 29 th	Session 2. Andrew Parker	Parallel thematic sessions (1)	Session 3. Steve Grover	Work by sub-group on papers (2)	
Wednesday 30 th	Parallel thematic sessions (2)	Session 4. Gianni Lorenzoni and/or Giambatista	Meet with nanoscientists. P. Robert		Parallel thematic sessions (3)
Thursday 31 st	Session 5. V. Mangematin	Work by sub-group on papers (3)	Ski or Visit of Choranche Caves		Parallel thematic sessions (4)
Friday 1 st	Session 6. Ph Laredo	Work by sub-group on papers (4)	Wrap up and Travel by bus to Grenoble		

Application and practical issues

To be considered for participation in the Workshop, participants have to submit a single document of application that includes:

- (1) A letter of application containing full details of name, affiliation, address (mail, phone, fax and email), as well as a statement of why the applicant considers valuable to attend the Workshop + curriculum vitae;
- (2) An extended abstract (10 pages) or full paper. The whole paper will be discussed during the workshop. It has to circulate early March
- (3) Short description (one page) of the data that you are manipulating

To make the workshop as useful and lively as possible, you will be asked to circulate the paper before March 1st, 2011.

Fees: The workshop is subsidized by the French Research Agency (ANR). Participants will be charged 400 euros to cover part of the accommodation cost

A bus will be leaving from Grenoble railroad station at 10h00 on the March 28th, 2011 and will be returning to Grenoble Railroad station at 16h30 on April, 1st, 2011.

Submission by January 10th, 2011 to Christelle Robin (christelle.robin@grenoble-em.com) for any additional questions, please contact Vincent Mangematin (Vincent.mangematin@grenoble-em.com)