



GLOBELICS '13

11TH GLOBELICS INTERNATIONAL CONFERENCE
11-13 SEPTEMBER METU - ANKARA

CONFERENCE PROGRAM

Organized by:

TEKPOL, Middle East Technical University
REKMER, Yıldırım Beyazıt University
GLOBELICS
Ankara Development Agency





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11TH GLOBELICS INTERNATIONAL CONFERENCE
SEPTEMBER 11-13, METU - ANKARA

ORGANIZATION COMMITTEE

Erkan Erdil (METU)
Metin Durgut (METU)
Onur Yıldırım (METU)
Teoman Pamukçu (METU)
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Erdal Akdeve (Yıldırım Beyazıt University)
Asım Balcı (Ankara Development Agency)
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Dilek Çetindamar (Sabancı University)
Bahar Çelikkol Erbaş (TOBB-ETÜ)
Ali Fıkırkoca (Ankara University)
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Emek Kepenek (METU-TECH)
Yılmaz Kılıçaslan (Anadolu University)
Aykut Lenger (Ege University)
Erol Sayın (Karabük University)
Yeşim Üçdoğruk (Dokuz Eylül University)
Hakan Yetkiner (İzmir University of Economics)



SCIENTIFIC COMMITTEE

Jose E. Cassiolato, Brazil
Susan Cozzens, USA
Abdelkader Djeflat, Algeria
Shulin Gu, China
Joanna Chataway, UK
K.J. Joseph, India
David Kaplan, South Africa
Erkki Kaukonen, Finland
Edward Lorenz, France
Bengt-Åke Lundvall, Denmark
Maureen McKelvey, Sweden
Mammo Muchie, Denmark
Richard Nelson, USA
Jorge Niosi, Canada
Rajah Rasiah, Malaysia
Luc Soete, Netherlands
Judith Sutz, Uruguay
Gabriela Dutrenit, Mexico
Sunil Mani, India
Alexandre O. Vera-Cruz, Mexico and Cape Verde
Diana Suárez, Argentina
Michiko Iizuka, Japan
Charles Edquist, Sweden
Jacques Mairesse, Netherlands
Pierre Mohnen, Netherlands
Erol Taymaz, Turkey



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CONFERENCE SECRETERAT



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CORRESPONDENCE



TEKPOL

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SPONSORS

The Organization Committee gratefully acknowledges financial support from the following institutions:

TEKPOL, Science and Technology Policies Research Center, Middle East Technical University

REKMER, Competitiveness Research Center, Yıldırım Beyazıt University

GLOBELICS, The Global Network for the Economics of Learning, Innovation, and Competence Building Systems

METU - Middle East Technical University



YBU – Yıldırım Beyazıt University
Ankara Development Agency
SIDA, Swedish International Development Cooperation Agency
CBRT, Central Bank Republic of Turkey
TUBITAK, The Scientific and Technological Research Center of Turkey
Turkish Competition Authority
METUTECH Technology Park
YNR, Your Network Resource
Springer
Oxford University Publishing
İİF, İktisat İşletme ve Finans Dergisi
Kuru Kahveci Mehmet Efendi
Klasmat

DATES & VENUE

DATES

Wednesday, 11 September - Friday, 13 September 2013

VENUE

Middle East Technical University-Faculty of Economics and
Administrative Sciences (FEAS) Building-B,

REGISTRATION

The registration desk will be located at the conference venue during the conference.

The desk is open at the following times:

Wednesday, 11 th of September	08:30-17:00
Thursday, 12 th of September	08:30-16:00
Friday, 13 th of September	08:30-17:00



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BADGE

Participants should kindly wear personal named badges at all times during the conference. Name badges will be provided in participants' conference bags at the Registration Desk

SESSIONS

Sessions are moderated by conveners. Each participant has maximum 20 minutes to present his/her work. There will be a discussant in each session who discuss all the three paper presented in the session. The discussant has 5 minutes for each presentation. The discussion then continues with questions from the participants. Each session is 90 minutes.

LUNCHES

The lunches are served at the FEAS, Building B. Participants will be provided lunch vouchers in the conference bags.

CONFERENCE DINNER

The conference dinner will be organized in the Ankara Palas. Ankara Palas is a historical building initially designed as the Ministry of Health building, it was used as a hotel for the members of the Grand National Assembly of Turkey following the completion of its construction in 1928. Ankara Palas is located in Ulus district across the historical building of the first Grand National Assembly (today War of Independence Museum). The symmetrical two-story, pitched-roof building with a domed central entrance way flanked by twin towers demonstrates characteristics of the First Turkish national architectural movement. The building was completely restored in 1983 as a 60-room state guesthouse with reception, dining room, banquet hall and



tea lounge. Participants will be provided vouchers for the conference dinner in the conference bags. It is important that participants bring these vouchers together with them and wear their name badges.

CAPPODOCIA VISIT

The conference is followed by an optional trip to Cappadocia. Participants who are registered to this 2-day trip can get more information at: <http://globelics2013.org/optional-cappadocia-tour/>

GLOBELICS 2014

Globelics 2014 conference will be organized in Ethiopia. We wish all the best luck to our colleagues in organizing next year's event. There will be a short introduction of the local organizing committee of Globelics 2014 in the closing session of the conference on Friday, 13th of September, 2013.



The 11th GLOBELICS International Conference Program at a Glance



GLOBELICS '13

11TH GLOBELICS INTERNATIONAL CONFERENCE
SEPTEMBER 11-13, METU - ANKARA

WEDNESDAY, SEPTEMBER 11, 2013

TIME	ACTIVITY
08:00 – 09:30	Registration and Breakfast
09:30 – 11:00	Opening session
11:00 – 11:30	Coffee Break
11:30 – 12:30	Freeman Lecture
12:30 – 14:00	Lunch
14:00 – 15:30	Special Sessions A, B and C
15:30 – 16:00	Coffee Break
16:00 – 17:45	Parallel Sessions W1.1-W1.10
18:00 – 20:00	Welcome Reception

THURSDAY, SEPTEMBER 12, 2013

TIME	ACTIVITY
08:30 – 09:30	Registration and Breakfast
09:30 – 11:00	Special Session D, E and F
11:00 – 11:30	Coffee Break
11:30 – 13:00	Parallel Session T2.1-T2.10 / IRAMOT WORKSHOP
13:00 – 14:30	Lunch
14:30 – 16:00	Parallel Session T3.1-T3.10
16:30 - 22:00	Excursion / cultural event + Conference Dinner

FRIDAY, SEPTEMBER 13, 2013

TIME	ACTIVITY
08:00 – 09:00	Registration and Breakfast
09:00 – 10:30	Panel on Millennium Development Goals
10:30 – 11:00	Coffee Break
11:00 – 12:30	Parallel Session F4.1-F4.10



- 12:30 – 14:00 LUNCH
14:00 – 15:30 Parallel Session F5.1-F5.7
15:30 – 16:00 Coffee Break
16:00 – 17:00 Book presentations
17:00 – 17:30 Closing session

PLENARY SESSIONS / SPECIAL TOPIC SESSIONS

WEDNESDAY, 11TH OF SEPTEMBER 11:30-12:30



FREEMAN LECTURE

FEAS B - G110

Chair: Bengt-Ake Lundvall, Aalborg University, Denmark

Innovation, Technological Unemployment and Shifting Wealth

Luc Soete, Maastricht University, Netherlands

WEDNESDAY, 11TH OF SEPTEMBER 14:00-15:30



SPECIAL SESSION A: ENTREPRENEURSHIP AND INNOVATION FINANCE

FEAS B - G104

Chair: Semih Akçomak, METU-TEKPOL, Turkey

Anthony Bartzokas, EBRD, UK

Vedat Sinan Tandogan, TUBITAK, Turkey

Kazım Yalçınoğlu, METU-Entrepreneurship and Innovation Platform, Turkey



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🚩 SPECIAL SESSION B: SUCCESSIVE CATCH-UP CYCLES

FEAS B - G106

Chair: M.Teoman Pamukçu, METU-TEKPOL, Turkey

Franco Malerba, Universita Bocconi, Italy

Keun Lee, Seoul National University, South Korea

Roberta Rabellotti, Universita di Pavia, Italy

Fabio Landini, Universita Bocconi, Italy

🚩 SPECIAL SESSION C: ROUND TABLE DISCUSSION ON INNOVATION, LEARNING AND LOW CARBON DEVELOPMENT

FEAS B - G108

Chair: Rainer Walz, Fraunhofer-ISI, Germany

Rasigan Maharajh, IERI, Tshwane University of Technology, South Africa

Padmashree Gehl Sampath, UNCTAD, Switzerland

Rene Kemp, UNU-MERIT, Netherlands

Rasmus Lema, Aalborg University, Denmark

Bahar Çelikkol Erbaş, TOBB-ETÜ, Turkey

THURSDAY, 12TH OF SEPTEMBER 09:30-11:00

🚩 SPECIAL SESSION D: INNOVATION AND REGIONAL DEVELOPMENT

FEAS B - G104

Chair: Erkan Erdil, METU-TEKPOL, Turkey

Bjørn Asheim, CIRCLE, Lund University, Sweden

José Eduardo Cassiolato, RedeSist-IE-UFRJ, Brazil

İbrahim Erkan, Ankara Development Agency, Turkey

Yaşar Tekdemir, Turkish Competition Authority, Turkey



► SPECIAL SESSION E: ROUND TABLE DISCUSSION ON INCLUSIVE INNOVATION

FEAS B - G106

Chair: Rebecca Hanlin, Open University, UK

Ann Kingiri, Africa Centre for Technology Studies, South Africa - “An example of inclusive innovation in Energy”

Rebecca Hanlin, Open University, UK – “An example of inclusive innovation in health”

Round table discussants

Susan Cozzens, Georgia Institute of Technology, US

Joanna Chataway, Open University, UK

Judith Sutz, Universidad de la Republica, Uruguay

► SPECIAL SESSION F: ROUND TABLE DISCUSSION ON SCIENCE, TECHNOLOGY AND INNOVATION AND INDUSTRIAL POLICY: A GLOBAL REGIONS COMPARISON

FEAS B - G108

Chair: Bart Verspagen, UNU-MERIT, The Netherlands

Jorge Niosi, University of Quebec, Canada

Jorge Katz, University of Chile, Chile

Rajah Rasiah, University of Malaya, Malaysia

Abdelkader Djeflat, University of Lille, France

THURSDAY, 12TH OF SEPTEMBER 11:30-13:00

📌 IRAMOT WORKSHOP –IRANIAN ASSOCIATION FOR MANAGEMENT OF TECHNOLOGY

FEAS B - G206

Promoting International collaboration in Management of Technology and Innovation Society

Chair: Dr. Seyed Habibollah Tabatabaeian, Iran



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FRIDAY, 13TH OF SEPTEMBER 09:00- 10:30



PANEL: TECHNOLOGY, INNOVATION AND EQUITABLE DEVELOPMENT IN THE POST-2015 AGENDA

FEAS B - G110

Panel Chair: Padmashree Gehl Sampath, UNCTAD, Switzerland

Banji Oyeyinka, UN-HABITAT, Kenya

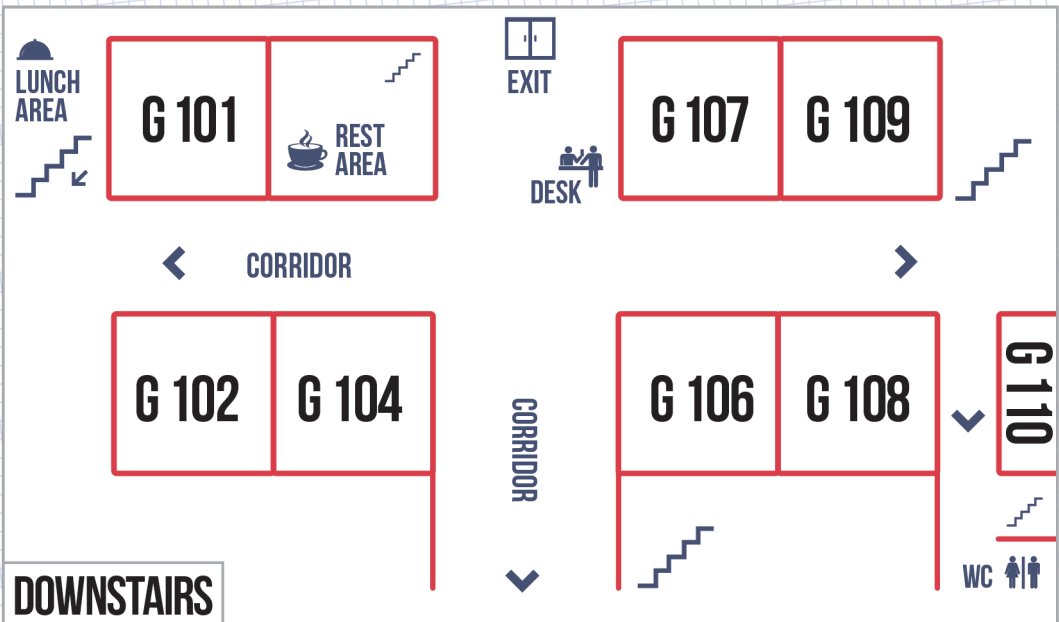
Gabriela Dutrenit, Universidad Autonoma Metropolitana, Mexico

Bengt-Ake Lundvall, Aalborg University, Denmark

Joseph K. Joseph, Center for Development Studies, India



FLOOR PLAN





The 11th GLOBELICS
International
Conference Program
in Detail



WEDNESDAY,
11th of September 2013



OPENING SESSION

WEDNESDAY, SEPTEMBER 11, 2013 / 9:30-11:00

FEAS B - G110

Erkan Erdil, METU-TEKPOL
Jose Eduardo Cassiolato, GLOBELICS
Ahmet Acar, President of METU
Metin Doğan, President of Yıldırım Beyazıt University
Arif Şayık, Ankara Development Agency
Yücel Altunbaşak, President of TUBITAK



FREEMAN LECTURE

WEDNESDAY, SEPTEMBER 11, 2013 / 11:30-12:30

FEAS B - G110

Chair: Bengt-Ake Lundvall, Aalborg University, Denmark

Innovation, Technological Unemployment and Shifting Wealth

Luc Soete, Maastricht University, Netherlands



SPECIAL SESSION A

WEDNESDAY, SEPTEMBER 11, 2013 / 14:00-15:30

ENTREPRENEURSHIP AND INNOVATION FINANCE

FEAS B - G104

Chair: Semih Akçomak, METU-TEKPOL, Turkey

Anthony Bartzokas, EBRD, UK

Vedat Sinan Tandogan, TUBITAK, Turkey

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🚩 SPECIAL SESSION B

WEDNESDAY, SEPTEMBER 11, 2013 / 14:00-15:30

SUCCESSIVE CATCH-UP CYCLES

FEAS B - G106

Chair: M.Teoman Pamukçu, METU-TEKPOL, Turkey

Franco Malerba, Universita Bocconi, Italy

Keun Lee, Seoul National University, South Korea

Roberta Rabelotti, Universita di Pavia, Italy

Fabio Landini, Universita Bocconi, Italy

🚩 SPECIAL SESSION C

WEDNESDAY, SEPTEMBER 11, 2013 / 14:00-15:30

**ROUND TABLE DISCUSSION ON INNOVATION, LEARNING AND LOW CARBON
DEVELOPMENT**

FEAS B - G108

Chair: Rainer Walz, Fraunhofer-ISI, Germany

Rasigan Maharajh, IERI, Tshwane University of Technology, South Africa

Padmashree Gehl Sampath, UNCTAD, Switzerland

Rene Kemp, UNU-MERIT, Netherlands

Rasmus Lema, Aalborg University, Denmark

Bahar Çelikkol Erbaş, TOBB-ETU, Turkey



SESSION W.1-1

WEDNESDAY, SEPTEMBER 11, 2013 / 16:00-17:45

THE ENTREPRENEURIAL SYSTEM IN DEVELOPING COUNTRIES

FEAS B - G101

Chair: Tunç Medeni, Yıldırım Beyazıt University, Turkey

Discussant: Ana Urraca-Ruiz, Departamento de Economia, Universidade Federal Fluminense, Brazil

How do ICT firms in Turkey manage innovation? Diversity in expertise versus diversity in markets

Semih Akçomak, METU-TEKPOL, Turkey; Erdal Akdeve, Yıldırım Beyazıt University, Turkey; Derya Fındık, METU-TEKPOL, Turkey

Entrepreneurial Orientation, Business Model Innovation and Firm Performance: Evidence from India *Rakesh Kumar Pati, Indian Institute of Management Kozhikode, India.*

Strategies for Knowledge-Based Entrepreneurship in Central and East European Economies

Slavo Radosevic, SSEES, University College London, United Kingdom; Esin Yörük, SSEES, University College London, United Kingdom.

SESSION W.1-2

WEDNESDAY, SEPTEMBER 11, 2013 / 16:00-17:45

IPR AND ECONOMIC OUTCOMES

FEAS B - G102

Chair: Uğur Yalçın, METU-TEKPOL, Turkey

Discussant: Abdelkader Djeflat, University of Lille, France

When an Importer's Protection of IPR Interacts with an Exporter's level of Technology: Comparing the Impacts on the Exports of the North and South

Wonkyu Shin, Seoul National University, South Korea; Keun Lee, Seoul National University, South Korea; Walter G. Park, American University, United States.



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Patents and other appropriability methods: An Overview of Brazilian Industry

Graziela Zucoloto, IPEA, Brazil.

Do Intellectual Property Rights Encourage Productivity Growth? Evidences from Agriculture

Mercedes Campi, LEM - Sant'Anna School of Advanced Studies, Italy.

SESSION W. 1-3

WEDNESDAY, SEPTEMBER 11, 2013 / 16:00-17:45

**INNOVATION POLICIES: NATIONAL AND GLOBAL CHALLENGES
FEAS B - G206**

Chair: Rolando Campusano, Banco Central de Chile, Chile

Discussant: Mammo Muchie, Tshwane University of Technology, South Africa

The Legislation of Public Procurement Policy for Innovation in China

Chunzi Cheng, Zhejiang University, China.

National Innovation Policies Going Global: Taxonomy and the Case of Finland

Mika Kautonen, TaSTI, University of Tampere, Finland; Mika Raunio, TaSTI, University of Tampere, Finland.

Sectorial Funds Experience in Argentina and Brazil

Florencia Kohon, Ministry of Science, Technology and Productive Innovation, Argentina; Silvina Mochi, Ministry of Science, Technology and Productive Innovation, Argentina.

Knowledge Sharing, Innovation Policies and Inclusive Development in the Oil and Gas Industry in Nigeria

Oluseye Oladayo Jegede, National Centre for Technology Management, Nigeria.

SESSION W. 1-4

WEDNESDAY, SEPTEMBER 11, 2013 / 16:00-17:45

**INCLUSIVE INNOVATION AND INCLUSIVE GROWTH
FEAS B - G207**

Chair: Isabel Bortagaray, TPAC, Uruguay

Discussant: Susan Cozzens, Georgia Institute of Technology, US



Institutional innovation and inclusive growth: lessons from the coffee and palm oil sectors in Costa Rica

Jeffrey Orozco, CINPE-UNA, Costa Rica

Understanding Grassroots Innovation: Patterns and Sources of Contribution of Honeybee Network

Dinesh Kumar Abrol, Centre for Development Studies, India

Inclusive Innovation - An Architecture for Policy Development

Raphael Kaplinsky, Open University, United Kingdom; Rebecca Hanlin, Open University, United Kingdom; Joanna Chataway, Open University/ RAND Europe, United Kingdom.

Innovation for the base of the pyramid: developing a framework for policy experimentation

Yevgeny Kuznetsov, Skolkovo Institute of Technology, Russia; Carl Dahlman, Georgetown University, USA

SESSION W. 1-5

WEDNESDAY, SEPTEMBER 11, 2013 / 16:00-17:45

**INNOVATION IN TRADITIONAL SECTORS: AGRICULTURE
FEAS B - G208**

Chair: Julius Ecuru, Makerere University, Uganda

Discussant: José Eduardo Cassiolato, RedeSist-IE-UFRJ, Brazil

Technology adoption in small scale oil palm fruit processing in Southwestern Nigeria: A sectoral analysis

Adejuwon Olawale, African Institute of Science Policy and Innovation / Obafemi Awolowo University, Nigeria.

Globalization, rise of biotechnology and knowledge dynamics in agricultural innovation the case of Bt technology in India

V S Ajay Thutupalli, UNU-MERIT, The Netherlands; Michiko Iizuka, UNU-MERIT, The Netherlands

Appropriate Versus Advanced Technology: A Case Study on Choice of Technology by Sericulture Farmers of Karnataka, India

Rajesh GK, Gandhigram Rural Institute, Deemed University, India; S.Ramaswamy, Gandhigram Rural Institute, Deemed University, India.



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SESSION W. 1-6

WEDNESDAY, SEPTEMBER 11, 2013 / 16:00-17:45

MICROECONOMICS OF TECHNOLOGY AND PRODUCTIVITY

FEAS B - G109

Chair: Jose Miguel Natera, Universidad Complutense de Madrid, Spain

Discussant: Gabriela Dutrenit, Universidad Autonoma Metropolitana, Mexico

Technological and Non-technological Innovation and Productivity in Services vis a vis Manufacturing

Diego Aboal, CINVE, Uruguay; Paula Garda, CINVE, Uruguay.

Technology Import and Manufacturing Productivity in India: Evidence from Firm Level Data

Rijesh R., CITD/SIS, Jawaharlal Nehru University, India.

R&D Activities Dispersion and Innovation: Implications for Firms of High-Tech Industries in the Transition Economy of China

Ying Ying, Zhejiang University, China; Yang Liu, Zhejiang University, China; Jiang Wei, Zhejiang University, China.

Innovative Performance in Brazilian Cosmetics industry

Denise Barbieux, Federal University of Rio Grande do Sul, Brazil; Paulo Antonio Zawislak, Federal University of Rio Grande do Sul, Brasil; Fernanda Reichert, Federal University of Rio Grande do Sul, Brasil.

SESSION W. 1-7

WEDNESDAY, SEPTEMBER 11, 2013 / 16:00-17:45

KNOWLEDGE, COLLABORATION AND INNOVATION SYSTEMS

FEAS B - G104

Chair: Mauricio Uriona Maldonado, Federal University of Santa Catarina, Brazil

Discussant: Rajah Rasiah, University of Malaya, Malaysia

The relationship between regional context and firm heterogeneity on the innovation performance of firms. A Multilevel analysis

Julio Cesar Zuluaga, Universidad de los Andes, Colombia.



The new co-innovation system in China: functions and different patterns of national collaborative innovation centers

Jia Zhou, RCSTEP, Zhejiang University, China; Jin Chen, Tsinghua University, China; Wei Yao, Zhejiang University, China.

On structural change, power relations and democratic knowledge policies

Rodrigo Arocena, Universidad de la Republica, Uruguay; Judith Sutz, Universidad de la Republica, Uruguay.

Exploring the Effectiveness of Local Content Requirements in Promoting Solar PV Manufacturing in India

Oliver Johnson, Stockholm Environment Institute Africa Centre, Kenya.

SESSION W.1-8

WEDNESDAY, SEPTEMBER 11, 2013 / 16:00-17:45

MICROECONOMIC DYNAMICS AND INNOVATION

FEAS B - G107

Chair: Naresh Kumar, National Institute of Science, Technology and Development Studies, India

Discussant: Jorge Niosi, University of Quebec, Canada

Influence of research, technology and HR management drivers on SMEs innovation: Case of Belarus

Natalja Apanasovich, Belarusian State University, Belarus

Crossroads: when path-dependence turns into path-creation. Innovative strategies in the Argentinean manufacturing sector

Diana Suarez, Universidad Nacional de General Sarmiento, Argentina.

Knowledge Creation in Different Industry Regimes: The Role of Economies of Scope

Muge Ozman, Telecom Ecole de Management, France; Altay Özeygen, Telecom Ecole de Management, France.



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SESSION W. 1-9

WEDNESDAY, SEPTEMBER 11, 2013 / 16:00-17:45

R&D AND INNOVATION IN TIME AND GEOGRAPHY

FEAS B - G106

Chair: Dilek Cetin, Suleyman Demirel University, Turkey

Discussant: Franco Malerba, Universita Bocconi, Italy

Innovation policies in the Mediterranean Area: building a Mediterranean System of Innovation

Roberto Mavilia, MEDALics - Reggio Calabria, Italy; Massimiliano Ferrara, Mediterranean University of Reggio Calabria, Italy

Have R&D Lag and Knowledge Depreciation Varied Over Time?

Jun Suzuki, National Graduate Institute for Policy Studies, Japan; Akira Goto, National Graduate Institute for Policy Studies, Japan.

How Do Proximities Matter to MNCs Global Innovation Networks: A Geographical-Organisational Perspective

Ju Liu, CIRCLE, Lund University, Sweden.

Measuring informal innovations: Study of grassroots innovation of Kashmir

Saradindu Bhaduri, Jawaharlal Nehru University, India; Fayaz Ahmad Sheikh, Jawaharlal Nehru University, India

SESSION W. 1-10

WEDNESDAY, SEPTEMBER 11, 2013 / 16:00-17:45

INNOVATION AND ECONOMIC DEVELOPMENT

FEAS B - G108

Chair: Nina Kazakova, Saratov State Technical University, Russia

Discussant: Joanna Chataway, Innovation and Technology Policy/RAND Europe, UK

Innovative Waves in the development of Socio-Economic Systems

Pavel Gureev, State University of Management, Russia; Mishail S. Moki, State University of Management, Russia.



Stylized Facts of Governance, Institutions and Economic Development. Exploring the Institutional Profiles Database

Bart Verspagen, UNU-MERIT, Netherlands.

Innovation and Development in India: Changing Paradigms and Trajectories

K J Joseph, Centre for Development Studies (India); Kiran Kumar

Higher Education, Technological Change and Local Development. Experiences and Challenges in Cuban Context

Jorge Núñez Jover, Universidad de La Habana, Cuba; Galia Figueroa Alfonso, Universidad de La Habana, Cuba; Isvielys Armas Marrero, Universidad de La Habana, Cuba; Lic. Ariamnis Alcázar Quiñones, Universidad de La Habana, Cuba.

 **RECEPTION**

WEDNESDAY, SEPTEMBER 11, 2013 / 18:00-20:00

FEAS B-BACKYARD GARDEN



THURSDAY,
12th of September, 2013



🚩 SPECIAL SESSION D

THURSDAY, SEPTEMBER 12, 2013 / 9:30-11:00

**INNOVATION AND REGIONAL DEVELOPMENT
FEAS B - G104**

Chair: Erkan Erdil, METU-TEKPOL, Turkey

Bjørn Asheim, CIRCLE, Lund University, Sweden

José Eduardo Cassiolato, RedeSist-IE-UFRJ, Brazil

İbrahim Erkan, Ankara Development Agency, Turkey

Yaşar Tekdemir, Turkish Competition Authority, Turkey

🚩 SPECIAL SESSION E

THURSDAY, SEPTEMBER 12, 2013 / 9:30-11:00

**ROUND TABLE DISCUSSION ON INCLUSIVE INNOVATION
FEAS B - G106**

Chair: Rebecca Hanlin, Open University, UK

Ann Kingiri, Africa Centre for Technology Studies, South Africa - “An example of inclusive innovation in Energy”

Rebecca Hanlin, Open University, UK - “An example of inclusive innovation in Health”

Round table discussants

Susan Cozzens, Georgia Institute of Technology, US

Joanna Chataway, Open University, UK

Judith Sutz, Universidad de la Republica, Uruguay



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🚩 SPECIAL SESSION F

THURSDAY, SEPTEMBER 12, 2013 / 9:30-11:00

**ROUND TABLE DISCUSSION ON SCIENCE, TECHNOLOGY AND INNOVATION AND
INDUSTRIAL POLICY: A GLOBAL REGIONS COMPARISON**

FEAS B - G108

Chair: Bart Verspagen, UNU-MERIT, The Netherlands

Jorge Niosi, University of Quebec, Canada

Jorge Katz, University of Chile, Chile

Rajah Rasiah, University of Malaya, Malaysia

Abdelkader Djeflat, University of Lille, France

SESSION T.2-1

THURSDAY, SEPTEMBER 12, 2013 / 11:30-13:00

INNOVATION IN HIGH-TECH SECTORS IN DEVELOPING COUNTRIES

FEAS B - G102

Chair: Graciela Gutman, CONICET, Argentina

Discussant: Keun Lee, Seoul National University, South Korea

Functionality of the Turkish Biotechnology System

Dilek Çetindamar, Sabancı University, Turkey; Annika Rickne, Institute of Innovation and Entrepreneurship, Sweden.

The Telecommunications System of Innovation in Brazil Ten Years After

Marina Szapiro, Economics Institute, Federal University of Rio de Janeiro, Brazil; Jose Eduardo Cassiolato, RedeSist-IE-UFRJ, Brazil.

Technology Intensive Manufacturing and Innovation in South Africa: A Comparison with the BRIC Countries and an Empirical Examination of Technology Based Firms

David Kaplan, University of Cape Town, South Africa.



SESSION T.2-2

THURSDAY, SEPTEMBER 12, 2013 / 11:30-13:00

THE ECONOMIC IMPLICATIONS OF FDI IN EMERGING ECONOMIES

FEAS B - G101

Chair: Mika Raunio, University of Tampere, Finland

Discussant: Vedat Sinan Tandogan, TUBITAK, Turkey

Transnational Corruption and Innovation in Transition Economies

Alexis Habiyaemye, Antalya International University, Turkey; Wladimir Raymond, STATEC, Luxembourg

The Impact of FDI through Backward Linkages on the Employment Growth and Technological Innovations of Local Firms in Emerging Economies

Martin Falk, Austrian Institute of Economic Research, WIFO, Austria.

Outward Foreign Direct Investment and Reverse Technology Spillovers: The Effect on Total Factor Productivity

Swati Virmani, University of Manchester, UK.

SESSION T.2-3

THURSDAY, SEPTEMBER 12, 2013 / 11:30-13:00

INNOVATION AND ECONOMIC GROWTH

FEAS B - G104

Chair: Yakup Kepenek, METU, Turkey

Discussant: Roberta Rabellotti, Universita di Pavia, Italy

Innovation, Absorptive Capacity and Growth Heterogeneity: Development Paths in Latin America 1970 to 2010

Fulvio Castellacci, Norwegian Institute of International Affairs (NUPI), Norway; Jose Miguel Natera, Universidad Complutense de Madrid, Spain.

Economic Growth, Innovation and Inequality in Latin America: Improvements, Setbacks and Pending Issues Post Washington Consensus

Martin Puchet Anyul, Universidad Nacional Autonoma de Mexico, Mexico; Gabriela Dutrénit, Universidad Autónoma Metropolitana, Mexico; Juan Carlos Moreno-Brid, ECLAC, Mexico.

Strengthening Regional Integration with the Neighbourhood System of Innovation Conceptual Framework

Baskaran Angathevar, Middlesex University Business School, United Kingdom; Mammo Muchie, Tshwane University of Technology, South Africa.



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11TH GLOBELICS INTERNATIONAL CONFERENCE
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SESSION T.2-4

THURSDAY, SEPTEMBER 12, 2013 / 11:30-13:00

HIGHER EDUCATION, SKILLS AND INNOVATION IN DEVELOPING COUNTRIES

FEAS B - G207

Chair: Emek Kepenek, METUTECH Technology Park, Turkey

Discussant: Fabio Landini, Universita Bocconi, Italy

Determinants of Employment Probabilities and Expected Earnings of Engineering Graduates: An Empirical Study in Delhi, India

Pradeep Kumar Choudhury, Institute For Studies in Industrial Development, India.

Measuring Skills in Europe

Zilvinas Martinaitis, Kaunas University of Technology, Lithuania.

The Changing Structure and Behavior of Latin American University Markets

Jorge Katz, University of Chile, Chile.

SESSION T.2-5

THURSDAY, SEPTEMBER 12, 2013 / 11:30-13:00

DETERMINANTS OF ENTREPRENEURSHIP IN DEVELOPING COUNTRIES

FEAS B - G209

Chair: Mingfeng Tang, Southwestern University of Finance and Economics, China

Discussant: Rasmus Lema, Aalborg University, Denmark

How Social Capital and Cognitive Factors Influence the Entrepreneurial Intentions: A Study of Two Emerging Economies

Haroon Muzaffar, Yildirim Beyazıt University, Turkey.

Antecedents of Entrepreneurial Intentions and Entrepreneurial Behavior: The Role of Entrepreneurial Education and Contextual Factors

Tariq Ahmad, University of Malaya, Malaysia; VGR Chandran, University of Malaya, Malaysia.

Formal and Informal Social Capital as Determinants of Male and Female Entrepreneurship in Europe

Ana Fernandez-Zubieta, CSIC, Spain; Dilek Çetin, Suleyman Demirel University, Turkey;

Fulvio Mulatero, Economics Unit of the Regional Statistical Office of Canton Ticino (Ustat), Switzerland.



SESSION T.2-6

THURSDAY, SEPTEMBER 12, 2013 / 11:30-13:00

INCLUSIVE INNOVATION AND TECHNOLOGY

FEAS B - G208

Chair: Christian Binz, Swiss Federal Institute of Aquatic Science and Technology, Switzerland

Discussant: Bart Verspagen, UNU-MERIT, Netherlands

Science, Technology and Innovation Policies for Inclusive Development: Shifting Trends in South America

Isabel Bortagaray, TPAC, Uruguay; Natalia Gras

Strategies and Governance of the Mexican National Innovation System: Challenges for an Inclusive Development

Alexandre Vera-Cruz, Universidad Autonoma Metropolitana, Mexico; Rosalba Casas, Universidad Nacional Autónoma de México, Mexico; Claudia de Fuentes, Saint Mary's University; Arturo Torres, Universidad Autonoma Metropolitana, Mexico.

Gender Differences in Information Technology Use and Implications for Inclusive Innovation in Public Transportation

Nilay Yavuz, Middle East Technical University, Turkey; Eric W. Welch, University of Illinois at Chicago, United States.

SESSION T.2-7

THURSDAY, SEPTEMBER 12, 2013 / 11:30-13:00

INNOVATION IN THE HEALTH SECTOR IN DEVELOPING COUNTRIES

FEAS B - G106

Chair: Galia Figueroa Alfonso, Universidad de La Havana, Cuba

Discussant: Padmashree Gehl Sampath, UNCTAD, Switzerland

Social Mission of the University: A Case Study in the Health Sector in Mexico

Arturo Torres, Universidad Autónoma Metropolitana, Mexico; Betsabé Castellanos, Universidad Autónoma Metropolitana, Mexico.



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Innovation Systems and Social Inclusion: Preliminary Evidences Based on Empirical Work on Health Local Systems

Maria Clara Couto Soares, RedeSist, Federal University of Rio de Janeiro, Brazil; José Eduardo Cassiolato, RedeSist, Federal University of Rio de Janeiro, Brazil.

Rural Health Systems in South Africa: The Role of Local Innovation in Social Inclusion

Erika Kraemer-Mbula, IERI, Tshwane University of Technology, South Africa; Lindile Ndabeni, IERI, Tshwane University of Technology, South Africa; Rasigan Maharajh, IERI, Tshwane University of Technology, South Africa.

SESSION T.2-8

THURSDAY, SEPTEMBER 12, 2013 / 11:30-13:00

INNOVATION, ENVIRONMENT AND SUSTAINABILITY

FEAS B - G107

Chair: Allan Dahl Andersen, TIK, Norway

Discussant: Rene Kemp, UNU-MERIT, Netherlands

Innovation as If People Mattered: Designing Institutions for Land-Based Economic Development

John Bryden, Norwegian Agricultural Economics Research Institute, Norway; Stig S. Gezelius, Norwegian Agricultural Economics Research Institute, Norway.

Environmental Protection and Innovation in Developing Countries: Evidence from Turkey

Pelin Demirel, University of Nottingham, United Kingdom; Huseyin Senturk, Turkish Statistical Institute, Turkey.

How do LCD innovation differ: specificities of low carbon technologies and energy systems

Rainer Walz, Fraunhofer Institut Systems and Innovation Research, Germany.



SESSION T.2-9

THURSDAY, SEPTEMBER 12, 2013 / 11:30-13:00

MEASURING INNOVATION

FEAS B - G108

Chair: Guillermo Sanchez, INTA, CEUR-CONICET, Moron University, Buenos Aires, Argentina

Discussant: Diego Aboal, CINVE, Uruguay

National diversity of inventive groups: An index based on patent data

Roberto Mavilia, MEDAlics, Italy; Leonardo Siligato, MEDAlics, Italy.

User-Producer Interaction and the Degree of Novelty of Innovations: A Global Perspective

Gouya Harirchi, Copenhagen Business School, Denmark; Cristina Chaminade, CIRCLE, Lund University, Sweden.

Radically incremental of incrementally radical? A contribution to the discussion on the degree of novelty of innovations and its impact on organization design for innovation

Adriana Marotti de Mello, University of Sao Paulo, Sao Paulo, Brazil; Roberto Marx, University of Sao Paulo, Brazil.

SESSION T.2-10

THURSDAY, SEPTEMBER 12, 2013 / 11:30-13:00

CATCHING-UP AND MICROECONOMICS OF INNOVATION AND TECHNOLOGY

FEAS B - G109

Chair: Martin Falk, Austrian Institute of Economic Research (WIFO), Austria

Discussant: Jorge Katz, University of Chile, Chile

Catching-Up Unequal Access to ICT: A Case of Rural Urban Telecom Divide in India

Naresh Kumar, National Institute of Science, Technology and Development Studies, India;

Shailaja Rego Narsee Monjee, Institute of Management Studies, India.

Technological Opportunity, Cumulativeness, Catching-Up and the Evolution of Technological Specialization Patterns In Asia and Latin America

Ana Urraca-Ruiz, Departamento de Economia, Universidade Federal Fluminense, Brazil.



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Firm innovativeness in emerging economies: Evidence from R&D initiatives in Turkish Firms

Solmaz Filiz Karabag, Department of Management and Economics, Linköping University, Sweden; Christian Berggren, Department of Management and Economics, Linköping University, Sweden.



IRAMOT WORKSHOP –IRANIAN ASSOCIATION FOR MANAGEMENT OF TECHNOLOGY

THURSDAY, SEPTEMBER 12, 2013 / 11:30-13:00

FEAS B - G206

Promoting International collaboration in Management of Technology and Innovation Society

Chair: Dr. Seyed Habibollah Tabatabaeian, Iran

SESSION T.3- 1

THURSDAY, SEPTEMBER 12, 2013 / 14:30-16:00

INNOVATION IN HIGH-TECH SECTORS IN DEVELOPING COUNTRIES

FEAS B - G101

Chair: Chunzi Cheng, Zhejiang University, China

Discussant: Rainer Walz, Fraunhofer-ISI, Germany

Capabilities, Linkages, and Performance: The Recent Dynamic of the Argentine Software and IT Services Sector.

Florencia Barletta, Universidad Nacional de General Sarmiento, Argentina; Gabriel Yoguel Universidad Nacional de General Sarmiento, Argentina; Mariano Pereira Universidad Nacional de General Sarmiento, Argentina.

Sticky Spots on Slippery Slopes: Technological Upgrading in the Integrated Circuits Industry in Emerging East Asia

Rajah Rasiah, University of Malaya, Malaysia; Yap Xiao Shan, University of Malaya, Malaysia.



Organizational Slack, TMT Characteristics and Innovation Performance: An Empirical Study of Chinese High-Tech Listed Companies

Qiuyue Pan, Zhejiang University, China; Jiang Wei, Zhejiang University, China.

SESSION T.3-2

THURSDAY, SEPTEMBER 12, 2013 / 14:30-16:00

RENEWABLE ENERGY AND INNOVATION DYNAMICS

FEAS B - G102

Chair: Bahar Çelikkol Erbaş, TOBB-ETU, Turkey

Discussant: Rasigan Maharajh, IERI, Tshwane University of Technology, South Africa.

Feito No Brasil? Made in South Africa? Boosting Technological Development through Local Content Requirements in the Wind Energy Industry

Britta Rennkamp, University of Cape Town, South Africa; Fernanda Fortes Westin, Federal University of Rio de Janeiro, Brazil.

Catching Up in Using and Producing Renewable Energy Technologies in the BRICS

Isabel Bodas Freitas, Grenoble Ecole de Management, France; E. Dantas; M. Iizuka; UNU-MERIT, The Netherlands.

Low Carbon Energy Innovations Systems in Natural Resource Rich Developing Countries: The Case of Brazil

Andre Furtado, University of Campinas, Brazil.

SESSION T.3-3

THURSDAY, SEPTEMBER 12, 2013 / 14:30-16:00

INNOVATION SYSTEMS IN DEVELOPING COUNTRIES

FEAS B - G104

Chair: Şirin Elçi, Technopolis, Turkey

Discussant: Alexandre Vera-Cruz, Universidad Autonoma Metropolitana, Mexico.

Promoting Low-Budget Innovation Agendas for SMEs: A Mexican Case

Jose Luis Solleiro, National University of Mexico, Mexico; Rosario Castanon, National University of Mexico, Mexico; Claudia Gaona, Consejo Nacional de Ciencia y Tecnología, Mexico.



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Regional Systems of Innovation in the Arab Region

Samia Mohamed Nour, Khartoum University, Sudan.

The Development of the Russian Innovation System and the Monopolism as Its Disrupting Factor

Nina Kazakova, Saratov State Technical University, Russia; Alexandr Semenov, Saratov State Technical University, Russia; Eugenia Mangusheva, Russian State Trade and Economic University, Russia.

SESSION T.3-4

THURSDAY, SEPTEMBER 12, 2013 / 14:30-16:00

ICT AND INNOVATION

FEAS B - G107

Chair: Jia Zhou, RCSTEP, Zhejiang University, China

Discussant: Solmaz Filiz Karabag, Linkoping University, Sweden.

Resources on the Stage: A Firm Level Analysis of the ICT Adoption in Turkey

Derya Findik, Middle East Technical University, Turkey; Aysit Tansel, Middle East Technical University, Turkey.

Technological Paradigms and Agriculture: Lessons from the Diffusion of Information and Communication Technologies (ICT) In Commercial Farms in Argentina

Graciela Gutman, CONICET, Argentina; Veronica Robert, Universidad Nacional de General Sarmiento, Argentina.

ICT Usage and Employment Growth in Ugandan Manufacturing Firms

Aggrey Niringiye, Makerere University, Uganda; Hisali Eria, Makerere University, Uganda.

SESSION T.3-5

THURSDAY, SEPTEMBER 12, 2013 / 14:30-16:00

LEARNING AND INNOVATION SYSTEMS IN THE TRADITIONAL AND NEW ENERGY SECTORS

FEAS B - G106

Chair: Hiromi Saito, Chiba University, Chiba, Japan.

Discussant: Raphael Kaplinsky, Open University, UK.

Cluster Development in Low Resource Settings: The Case of Bioethanol and Fruit Processing Clusters in Uganda

Julius Ecuru, Makerere University, Uganda; Lena Trojer, Blekinge Institute of Technology,



Sweden; Peter O. Lating, Makerere University, Uganda; Yasin N. Ziraba, Makerere University, Uganda.

Introducing a Transition Model for Iran's Petroleum Industry: Towards Formation of a Sectoral Learning System

Sepehr Ghazinoory, Tarbiat Modares University, Iran; Mojdeh Mirimoghaddam, Tarbiat Modares University, Iran.

Innovation-System Building and Economic Development: The Evolution of the Sugarcane and Biofuel Industry in Brazil

Allan Dahl Andersen, TIK, Norway.

SESSION T.3-6

THURSDAY, SEPTEMBER 12, 2013 / 14:30-16:00

MICROECONOMIC DYNAMICS AND INNOVATION

FEAS B - G108

Chair: Arturo Torres Vargas, Metropolitan Autonomous University, Mexico

Discussant: Judith Sutz, Universidad de la Republica, Uruguay

Technical Efficiency in the Manufacturing Sector in India: Stochastic Frontier Approach

Swati Mehta, Punjab School of Economics, Guru Nanak Dev University, India.

Learning from Nanotechnological Systems of Innovation: Developing Indicators to Support Nanotechnology Innovation Policy in Brazil

Flavio Peixoto, Federal University of Rio de Janeiro (UFRJ), Brazil.

Technological Learning in MNC Subsidiaries Operating in Regional Integration Processes: A Case Study on an Automotive Company in the MERCOSUR

Martin Obaya, Monash University, Australia.

SESSION T.3-7

THURSDAY, SEPTEMBER 12, 2013 / 14:30-16:00

INNOVATION IN SMALL FIRMS

FEAS B - G109

Chair: Erdal Akdeve, Yıldırım Beyazıt University, Turkey

Discussant: Pelin Demirel, University of Nottingham, UK.



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Corporate Social Responsibility among Small and Medium Size Enterprises in Cameroon: Entrenching Environmental Conservation within Small Business

Joel Sotamenou, University of Yaounde II, Cameroon.

Small is Beautiful: An Analysis of Innovative Performance of Small Firms

Mauro Oddo Nogueira, Institute of Applied Economic Research (IPEA), Brazil; Graziela Ferrero Zucoloto, Institute of Applied Economic Research (IPEA), Brazil.

An Innovation System for Rural Enterprises in India

Seema Kumar, Centre for Technology and Development, India; Rajeswari S. Raina; D. Raghunandan.

SESSION T.3-8

THURSDAY, SEPTEMBER 12, 2013 / 14:30-16:00

INNOVATION POLICY IN DEVELOPING COUNTRIES

FEAS B - G206

Chair: Roberto Marx, University of Sao Paulo, Brazil

Discussant: Esin Yoruk, University College London, UK.

Innovation for Development: Whither Zimbabwe?

Chipo Mukonza, Tshwane University of Technology, South Africa.

Developing a Framework for the Analysis of Innovation Policy in a Weaker Region

Rhiannon Pugh, Cardiff University, UK.

Effective Governance of University-Industry Knowledge Transfer in Kazakhstan: A Study of Telecommunications Sector

Yelena Smirnova, Suleyman Demirel University, Kazakhstan.

SESSION T.3-9

THURSDAY, SEPTEMBER 12, 2013 / 14:30-16:00

FIRM AND SECTOR DYNAMICS AND INNOVATION SYSTEMS

FEAS B - G209

Chair: Oscar F. Contreras, El Colegio de la Frontera Norte, Mexico.

Discussant: Cristina Chaminade, CIRCLE, Lund University, Sweden.

Structural Innovations in Maturing Innovation Systems: The Emergence and Functioning of Innovation Intermediaries in Chile



Laurens Klerkx, Wageningen University, Netherlands; Roberto Alvarez, University of Chile, Chile; Rolando Campusano. Banco Central de Chile, Chile.

A Comparative Study of Technology Business Incubators in China and in India in National Innovation System Perspective

Mingfeng Tang, Southwestern University of Finance and Economics, China; Angathevar Baskaran, Middlesex University Business School, UK; Jatin Pancholi; Yong LU.

Heterogeneity and Divergence in Local Innovation Systems. Some Empirical Evidence from Argentinean SMEs

Veronica Robert, IdeI-UNGS, Argentina.

SESSION T.3-10

THURSDAY, SEPTEMBER 12, 2013 / 14:30-16:00

INNOVATION IN HIGH-TECH SECTOR

FEAS B - G208

Chair: Mika Kautonen, University of Tampere, Finland

Discussant: Joseph K. Joseph, Center for Development Studies, India.

Regulation Quagmire, Inclusive Innovations and Arrested Development: Evidence from the Indian Medical Device Industry

Dinar Kale, Development Policy and Practice, The Open University, Milton Keynes, India.

The Internationalization of Chinese and Indian Pharmaceutical Companies

Jorge Niosi, University of Quebec at Montreal, Montreal, Canada; Susan Reid, Bishop's University, Canada; JingYuan Zhao, University of Quebec, Canada.

Managerial Cognition in Innovation and R&D processes within Indian Hi-Tech Firms

Niharika Garud, IIM Bangalore, India.



SOCIAL ACTIVITY AND CONFERENCE DINNER

THURSDAY, SEPTEMBER 12, 2013 / 16:30-22:00



FRIDAY,
13th of September, 2013



PANEL

FRIDAY, SEPTEMBER 13, 2013 / 09:00-10:30

MILLENNIUM DEVELOPMENT GOALS: TECHNOLOGY, INNOVATION AND EQUITABLE DEVELOPMENT IN THE POST-2015 AGENDA

FEAS B - G110

Panel Chair: Padmashree Gehl Sampath, UNCTAD, Switzerland

Banji Oyeyinka, UN-HABITAT, Kenya

Gabriela Dutrenit, Universidad Autonoma Metropolitana, Mexico

Bengt-Ake Lundvall, Aalborg University, Denmark

Joseph K. Joseph, Center for Development Studies, India

SESSION F.4- 1

FRIDAY, SEPTEMBER 13, 2013 / 11:00-12:30

INNOVATION, ENVIRONMENT AND SUSTAINABILITY

FEAS B - G101

Chair: Maria Clara Couto Soares, RedeSist/IE – Federal University of Rio de Janeiro, Brasil

Discussant: Derya Findik, Middle East Technical University, Turkey.

Emerging Innovation system and Environmental Innovation: the case of mitigation techniques and CCS.

Xavier Galieue, University of Orleans, France.

Emergence of controversy in Technology Transitions, Green Revolution and Bt cotton in India

V S Ajay Thutupalli, UNU-MERIT, Netherlands; Shyama V Ramani.

Which Firm Characteristics Matter? Identifying the Drivers for Eco-Innovation

Serdal Özüsağlam, University of Strasbourg, France.



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SESSION F.4-2

FRIDAY, SEPTEMBER 13, 2013 / 11:00-12:30

INNOVATION IN HIGH-TECH SECTORS IN DEVELOPING COUNTRIES

FEAS B - G102

Chair: Muge Ozman, Telecom Ecole de Management, France

Discussant: Ann Kingiri, Africa Centre for Technology Studies, South Africa.

Trust and Innovation within Global Value Chains: Metal Mechanic and Information Technologies SMEs in Northern Mexico

Oscar F. Contreras, El Colegio de la Frontera Norte, Mexico; Alejandro Valenzuela.

The Role of Innovation Policy Incentives on the Reproduction of Asymmetries within Nanotechnology Knowledge Networks in Mexico

Marcela Suarez, Freie Universitat Berlin, Germany; Gabriela Dutrenit, Universidad Autónoma Metropolitana, Mexico.

Lead Market for Membrane Bio-Reactor (MBR) Technology. China Second-Mover Strategy for the Development and Exploitation of Its Lead Market Potential

Rainer Walz, Fraunhofer ISI, Karlsruhe, Germany; Christian Sartorius, Fraunhofer ISI, Germany; Robert Orzanna, Fraunhofer ISI, Germany.

SESSION F.4-3

FRIDAY, SEPTEMBER 13, 2013 / / 11:00-12:30

INNOVATION AND REGIONAL CHALLENGES

FEAS B - G104

Chair: Jeffrey Orozco, CINPE-UNA, Costa Rica

Discussant: Bjørn Asheim, CIRCLE, Lund University, Sweden.

Opening the Doors to Innovation in Central America: Empowering the Most Marginalized to Address Their Development Challenges Through Participatory Research

Joanna Kocsis, International Development Research Centre, Canada.

Towards Regional Innovation Factories Evolving platforms for policies and innovation communities



Mika Raunio, University of Tampere, Finland; Mika Kautonen, University of Tampere, Finland.

Global shifts in world science base? A comparative analysis of Central and Eastern Europe with the world's regions

Slavo Radosevic, University College London, UK; Esin Yoruk, University College London, UK.

SESSION F.4-4

FRIDAY, SEPTEMBER 13, 2013 / 11:00-12:30

**CAPABILITIES, CAPACITIES AND INNOVATION
FEAS B - G107**

Chair: Jun Suzuki, National Graduate Institute for Policy Studies, Japan

Discussant: Roberto Mavilia, MEDALics, Italy.

Impacts of Environmental, Structural Factors on Knowledge Absorptive Capacity, Organizational Innovation and Performance Testing Multiple Contingency Models

Murad Ali, Inha University, South Korea; Kichan Park, Inha University, South Korea.

Open Innovation as a Dynamic Relational Capability: A Reference to the Sanofi Group

Geoffroy Labrousse, University of Toulouse I Capitole, France; Med Kechidi, Univesity of Toulouse II Le Mirail, France.

Strengthening Innovation Capabilities for Inclusive Territorial Development in El Salvador, Central America

Andrew Roberts Cummings, Central American University José Simeón Cañas, El Salvador.

SESSION F.4-5

FRIDAY, SEPTEMBER 13, 2013 / 11:00-12:30

**IMPORTANCE OF LEARNING AND SOCIAL CAPITAL IN INNOVATION
FEAS B - G106**

Chair: Zilvinas Martinaitis, Kaunas University of Technology, Lithuania

Discussant: Tansug OK, UNCTAD, Switzerland.

The Impact of ICT Based Social Capital on Organizational Learning



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Serkan Gürsoy, Beykoz Vocational School of Logistics, Turkey.

Interactive Learning Spaces for Small Producers in Latin America

Guillermo Sanchez, INTA, CEUR-CONICET, Moron University, Buenos Aires, Argentina;
Claudia Bastida-Mercado, Universidad Autónoma del Estado de México, México; Anastacio
García-Martínez, Universidad Autónoma del Estado de México, México.

Access to Critical Medicines: When are Compulsory Licenses Effective in Price Negotiations?

Shyama V. Ramani, UNU-MERIT, Netherlands; Eduardo Urias, UNU-MERIT, Netherlands.

Innovation dynamics in natural-resource based industries: Where the geese don't fly

Allan Dahl Andersen, TIK, Norway; Olav Wicken, University of Oslo, Norway

SESSION F.4-6

FRIDAY, SEPTEMBER 13, 2013 / 11:00-12:30

**UNIVERSITY-INDUSTRY RELATIONS AND INNOVATION
FEAS B - G108**

Chair: Noe Becerra-Rodriguez, Metropolitan Autonomous University, Mexico

Discussant: Diana Suarez, Universidad Nacional de General Sarmiento, Argentina

Effects of Academic Research Groups' Perceptions on University-Firms Linkages: Benefits, Results and Obstacles

Suelene Mascarini, Polytechnic School of University of Sao Paulo, Brazil; Renato Garcia, Polytechnic School of University of Sao Paulo, Brazil; Veneziano Araujo, Polytechnic School of University of Sao Paulo, Brazil; Emerson Gomes dos Santos, Polytechnic School of University of Sao Paulo, Brazil; Ariana Costa, Polytechnic School of University of São Paulo, Brazil.

Empirical Analysis of the Relationship between Industrial-Academic Joint Research and Company Size, Test of U-shape Hypothesis

Hiromi Saito, Chiba University, Chiba, Japan.



SESSION F.4-7

FRIDAY, SEPTEMBER 13, 2013 / 11:00-12:30

THE IMPACT FIRM AND SECTOR DYNAMICS IN EXPLAINING FIRM OUTCOMES FEAS B - G109

Chair: Mercedes Campi, LEM - Sant'Anna School of Advanced Studies, Italy

Discussant: Dinar Kale, The Open University, UK.

Drivers of Firm Growth: Micro-evidence from Indian Manufacturing

Nanditha Mathew, University of Pisa, Italy.

The Roles of Intermediaries and Their Capabilities Development in Sectoral Innovation Systems: A Case Study of Thailand

Patarapong Intarakumnerd, National Graduate Institute for Policy Studies, Japan; Peera Charoenporn, Thammasat University, Thailand.

A Resource-Based and Dynamic Capability Perspective on Branding Capability and Firm Performance: Evidence from the Stock Market

Tingting Ye, Tongji University, China; Xinghui Lei, Tongji University, China.

SESSION F.4-8

FRIDAY, SEPTEMBER 13, 2013 / 11:00-12:30

INNOVATION IN THE ENERGY SECTOR FEAS B - G206

Chair: Pelin Demirel, University of Nottingham, United Kingdom

Discussant: Rebecca Hanlin, Open University, UK.

Barriers for Born Globals and Open Innovation in Catching-Up Economies: Evidence from Estonia's Clean Technology Developers

Kaija Valdmaa, Ragnar Nurkse School of Innovation and Governance, Tallinn University, Estonia.

Futures of Electrical Power Technology in India: A Delphi Study

Deepak Singh, Jawaharlal Nehru University, India; Pranav N. Desai, Jawaharlal Nehru University, India.



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SESSION F.4-9

FRIDAY, SEPTEMBER 13, 2013 / 11:00-12:30

INNOVATION IN HIGH-TECH SECTORS IN AMERICAS

FEAS B - G207

Chair: Andrew Roberts Cummings, Central American University José Simeón Cañas, El Salvador

Discussant: Alexis Habiyaremye, Antalya International University, Turkey.

Cultural Industries, Innovation and Organizational Forms in a Semi-Industrialized Country: The Case of Audiovisual Production in Argentina

Jose Borello, Universidad Nacional de General Sarmiento, Argentina; Leandro Gonzalez, Universidad Nacional de General Sarmiento, Argentina .

Innovation in the Software Sector: A Comparative Study between Argentina and Brazil

Carina Borrastero, CONICET, Argentina; Hernan Morero, Universidad Nacional de Cordoba, Argentina; Mauricio Uriona Maldonado, Federal University of Santa Catarina, Brazil

Different Learning Styles in Argentinean and Mexican Software and Information Services Firms

Mariano Pereira, Universidad Nacional de General Sarmiento, Argentina; Veronica Robert IDEI – UNGS, Argentina, Yoguel Gabriele, IDEI – UNGS, Argentina l; Barletta Florencia, IDEI – UNGS, Argentina.

SESSION F.4-10

FRIDAY, SEPTEMBER 13, 2013 / 11:00-12:30

LOW-CARBON, INNOVATION SYSTEMS AND SUSTAINABILITY

FEAS B - G208

Chair: Dinesh Kumar Abrol, Centre for Development Studies, India

Discussant: Ali Fıkrkoca, Ankara University, Turkey.

Low-Carbon Infrastructures and Systems of Innovation. No transition without Transmission?

Allan Dahl Andersen, TIK, Norway; Olav Wicken, University of Oslo, Norway.



Is There a Path To Inclusive and Low Carbon Growth?

Clovis Freire, UNESCAP, Thailand.

Can Renewable Energy Solve the Problem? Preliminary Remarks on Basic Problems in Turkish Energy Sector and Suggestions for Solution

Yelda Erden, METU-TEKPOL, Turkey.

SESSION F.5-1

FRIDAY, SEPTEMBER 13, 2013 / 14:00-15:30

**MICROECONOMICS, FIRM ORGANIZATION AND INNOVATION
FEAS B - G101**

Chair: Julio Cesar Zuluaga, Universidad de los Andes, Colombia

Discussant: Serkan Gürsoy, Beykoz Vocational School of Logistics, Turkey

An Innovation at the Management Mindset of Organisations: Cobit-5

Ahmet Efe, Ankara Kalkınma Ajansı, Turkey.

What Hinders Learning and Innovation of Services Firms in Mexico? An Exploration

Fernando Santiago, IDRC, Canada; Claudia de Fuentes, Saint Mary's University, Canada; Gabriela Dutrenit, Universidad Autónoma Metropolitana, Mexico; Natalia Gras, Universidad Autónoma Metropolitana, Mexico.

Health and Innovation in the Territorial Sphere: Evidences from Brazilian Local Production and Innovation Systems

Marcelo Pessoa de Matos, RedeSist/IE – Federal University of Rio de Janeiro, Brasil; Maria Clara Couto Soares, RedeSist/IE – Federal University of Rio de Janeiro, Brasil; José Eduardo Cassiolato, RedeSist/IE – Federal University of Rio de Janeiro, Brasil; Julia Queiroz, Funbio – Fundo Brasileiro para a Biodiversidade, Brasil.



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SEPTEMBER 11-13, METU - ANKARA

SESSION F.5-2

FRIDAY, SEPTEMBER 13, 2013 / 14:00-15:30

EVOLUTIONARY APPROACH AND INNOVATION

FEAS B - G102

Chair: Veronica Robert, Universidad Nacional de General Sarmiento, Argentina

Discussant: Haroon Muzaffar, Yildirim Beyazit University, Turkey.

A 'More Evolutionary' Approach to Economics: The Homo Sapiens Oeconomicus and the Utility Maximizing Meme

Michael P. Schlaile, University of Hohenheim, Germany.

The Approach of Complexity and Evolutionary Economics of Innovation

Gabriel Yoguel, University of General Sarmiento, Argentina; Verónica Robert, Universidad Nacional de General Sarmiento, Argentina.

Localization, Internationalization and Innovative Success: An Assessment of European Regions

Osman Gürçan Ozan, TEKPOL, METU, Turkey; Osman Oguz Yapar, TEKPOL, METU, Turkey.

SESSION F.5-3

FRIDAY, SEPTEMBER 13, 2013 / 14:00-15:30

UNIVERSITY-INDUSTRY RELATIONS AND INNOVATION IN BRICS

FEAS B - G104

Chair: Serkan Gürsoy, Beykoz Vocational School of Logistics, Turkey

Discussant: Nilay Yavuz, Middle East Technical University, Turkey.

Funding University-Industry Interactions: Evidences From a Brazilian University Survey.

Tulio Chiarini, INT and UNICAMP, Brazil; Marcia Siqueira Rapini, Federal University of Minas Gerais, Brazil; Pablo Felipe Bittencourt, Federal University of Santa Catarina, Brazil.

Exploring the Impact of University-Industry Linkages on Industrial Innovation: Empirical Evidence from Mexican Firms

Noe Becerra-Rodriguez, Metropolitan Autonomous University, Mexico; Arturo Torres



Vargas, Metropolitan Autonomous University, Mexico; Gabriela Dutrenit, Metropolitan Autonomous University, Mexico.

How does University-Industry Collaboration Influence Industry Upgrading in Regional Level: Evidence from China

Wei Yao, Zhejiang University, China; Wei Jue Hu, Zhejiang University, China.

SESSION F.5-4

FRIDAY, SEPTEMBER 13, 2013 / 14:00-15:30

**NATIONAL AND SUPRANATIONAL INNOVATION POLICY
FEAS B - G106**

Chair: Samia Mohamed Nour, Khartoum University, Sudan

Discussant: Annika Rickne, Institute of Innovation and Entrepreneurship, Sweden

The Effect of Public Support to Firms Innovative Activity on Firm Growth: The Case of Brazil

Carlos Frederico Rocha, Universidade Federal do Rio de Janeiro, Brazil; Jorge Britto, Universidade Federal Fluminense, Brazil.

The BNDES Innovation Policy and Ideas on Financing of Innovation: A Critical Investigation

Joao Marcos Hausmann Tavares, UFRJ, Brazil.

Wedded to Trade, Divorced from Innovation: An analysis of the outcomes of Information Technology Agreement of WTO

K J Joseph, Centre for Development Studies, India.

SESSION F.5-5

FRIDAY, SEPTEMBER 13, 2013 / 14:00-15:30

**SECTORAL CHALLENGES TO INNOVATION
FEAS B - G107**

Chair: Britta Rennkamp, University of Cape Town, South Africa

Discussant: Erdal Akdeve, Yıldırım Beyazıt University, Turkey.

Mapping the Organizational Design for Innovation in Brazilian Petrochemical Industry Using Social Network Analysis



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Adriana Marotti de Mello, School of Economics, Business and Accounting (FEA/SP) - University of São Paulo, Brasil; Roberto Marx, Polytechnic School - University of São Paulo, Brasil.

A multi-level analytical framework for institutionalization of learning: Case study of Petroleum Industry of Iran

Mojdeh Mirimoghadam, Tarbiat Modares University, Iran.

Technological regimes, firms' vertical boundaries, and industry s innovation patterns: The evolution of the IC industry

Xiao-Shan Yap, University of Malaya, Malaysia; Rajah Rasiah, University of Malaya, Malaysia.

SESSION F.5-6

FRIDAY, SEPTEMBER 13, 2013 / 14:00-15:30

INNOVATION, SUSTAINABILITY AND ECONOMIC DEVELOPMENT

FEAS B - G108

Chair: Kiran Kumar

Discussant: Serdar Türkeli, UNU-MERIT, The Netherland

Technology Frontier on bio-energy: Analysis of two networks of innovation

Maria Ester Dal-Poz, University of Campinas, Brazil; Silveira, J.M. and Masago, F.K.

Macro and micro issues related to natural resource based economic growth.

Jorge Katz, University of Chile, Chile.

A Portrait of Eco-innovative Activities in Brazilian Firms: their main determinants, processes and results.

Paulo Savaget, Fundação Dom Cabral (FDC), Brazil; Flavia Carvalho, Fundação Dom

Cabral (FDC), Brazil; Carlos Arruda, Fundação Dom Cabral (FDC); Brazil



SESSION F.5-7

FRIDAY, SEPTEMBER 13, 2013 / 14:00-15:30

SECTORAL CHALLENGES IN INNOVATION

FEAS B - G109

Chair: Jose Borello, Universidad Nacional de General Sarmiento, Argentina

Discussant: Banji Oyelaran-Oyeyinka, UNU-MERIT, The Netherlands.

African Solutions for African Problems South African Nanotechnology Research for African Development

Hailemichael Demissie, Tshwane University of Technology, South Africa; Mammo Muchie, Tshwane University of Technology, South Africa.

Technological Interfaces of the Brazilian Naval and Offshore Industry

Andre Cherubini Alves, Federal University of Rio Grande do Sul, Brazil; Paulo Antonio Zawislak, Federal University of Rio Grande do Sul, Brazil.

Systemic anchoring of global innovation processes and new industry formation: The emergence of on-site water recycling in China

Christian Binz, Swiss Federal Institute of Aquatic Science and Technology, Switzerland; Bernhard Truffer, Swiss Federal Institute of Aquatic Science and Technology, Switzerland; Lars Coenen, CIRCLE, Lund University, Sweden.



BOOK PRESENTATIONS

FRIDAY, SEPTEMBER 13, 2013 / 16:00-17:00

FEAS B - G110



CLOSING SESSION

FRIDAY, SEPTEMBER 13, 2013 / 17:00-17:30

FEAS B - G110