Program
43rd Congress of the European Regional Science Association
University of Jyväskylä, Finland
27th - 30th August 2003
WORDS OF WELCOME

On behalf of the Local Organizing Committee, I am honoured to have the opportunity to welcome you to Jyväskylä for the 43rd European Congress of the Regional Science Association. The congress is hosted by the School of Business and Economics at the University of Jyväskylä and the Nordic Section of ERSA.

The phrase 'periphery-centre' in the congress main theme “Peripheries, Centres and Spatial Development in the New Europe” reminds us of the traditional confrontation in regional science. The main theme also reflects the integration process and its spatial effects in Europe. In addition, we are reminded of the geographical position of the congress host country at the edge of Europe. Finland’s spatial development is strongly linked with Europe’s development.

The annual ERSA congress is now for the first time held in Finland. I am especially delighted that the congress takes place in Jyväskylä. University of Jyväskylä has a strong tradition in regional science and regional research. The School of Business and Economics at University of Jyväskylä is one of Finland’s leading research institutions within the field of regional economics. This is also demonstrated by the three EPAINOS prizes awarded to our doctoral students in previous ERSA congresses.

I am pleased that the regional science community widely accepted our invitation to come to Jyväskylä. The number of received abstracts, papers and delegates is extremely high. Our aim is to provide a high quality and most stimulating programme in this congress. The scientific programme includes both interesting plenary and parallel sessions. As a new feature, the Jyväskylä-congress introduces sessions based on papers which have been accepted after a review process (R-sessions). Jyväskylä has also the honour to be site in which the first European Prizes in Regional Science are awarded.

The Local Organizing Committee wishes to express its appreciation for all those who have contributed to the success of this congress. Particularly the management of ERSA and NS-RSA, the Scientific Committee, referees, session organizers and key note speakers all deserve our token of gratitude for their excellent work.

I wish you all a successful meeting!

Hannu Tervo
Chairman, Local Organizing Committee
WELCOME TO JYVÄSKYLÄ

In 1999 Jyväskylä was estimated to be the best business developer and in 2000 the best image developer in Finland. The city of more than 80,000 inhabitants now has over 20,000 students at the university and in the polytechnic.

The success is due to the urban policy started in the mid 1990's. Joining in the European Union in 1995 activated the development of the cities based on programmes. This was successful for Jyväskylä. The good reputation was mainly created by a new policy of partnership, leading to remarkable common projects by the city, the urban region, the university and the businesses.

Our common dream to offer jobs for 10,000 experts in the middle of the city by a lake is already coming true. Jyväskylä is Finland's second most popular place to move to and the region is interesting both as a living and working environment.

In Jyväskylä the economic scarcity and the small population have been acknowledged as lacks. Nevertheless, acting wisely these obstacles have been able to overcome. Results started arising after financial means and actors were successfully raised together, according to the city's strategic plan.

The limited financial resources can only be surpassed by social capital. Our newest innovation, built over a year, is the network city, where ten municipalities and with their 165,000 inhabitants are consciously crossing the boundaries of the municipalities, private and public sector as well as the civil society. The aim is to be able to strengthen the vitality of the region and to improve the quality of services.

Welcome to Jyväskylä - the city of experts, beautiful nature and modern architecture.

Pekka Kettunen
Mayor
PATRONAGE

Mrs. Tarja Halonen, President of the Republic Finland, acts as the Patron of the Congress.

SPONSORS

We gratefully acknowledge the financial support provided by the following institutions and private companies:

- Academy of Finland
- City of Jyväskylä
- Finnish Cultural Foundation
- Jyväskylä Kauppalaisseura Foundation
- Jyväskylä Regional Development Company Jykes Ltd.
- Metso Paper
- Ministry of Education
- University of Jyväskylä
- Ministry of the Interior
- Regional Council of Central Finland
- Yrjö Jahnsson Foundation

MAP OF JYVÄSKYLÄ

[Map of Jyväskylä showing locations such as Agora Building, Travel Centre, Harbour, Paviljonki, etc.]

GENERAL INFORMATION

Congress Office
The ERSA 2003 Congress Office and Information Desk is located in the foyer of the Agora Building. The service point is open daily from 8 a.m. till closing of the sessions. The Congress Office telephone number is +358 (0)14 339 8157.

Name Badges
The name badge that was given to you upon registration entitles you to enter all session rooms and to enjoy the coffee services arranged for the participants. We kindly ask you to wear the badge at all Congress events.

Daily Programme and Session Halls
The Opening Ceremonies and Plenary Sessions will take place in the Main Auditorium of the Agora Building. Parallel sessions will be run in several neighbouring buildings which are Agora, MaA, MaB, MaC and MaD – all session halls will be posted with ERSA 2003 posters.

Information for the Presenters
The speakers are kindly asked to contact the Congress Office concerning the technical arrangements latest the day prior to their presentation. In order to minimise technical problems, the presentations (on CD-Roms or discs) will be copied into the intranet of the congress venue; personal laptops may be used in exceptional cases only and the use of MacIntosh is not allowed during sessions. Assistants have been assigned to session rooms to help the speakers in technical matters.

Congress Assistants
There are a number of Congress Assistants ready to help the delegates and assist the presenters in session halls. You will recognise the Staff Members by their ERSA 2003 shirt.

E-mail and Internet
There are specially designed rooms with e-mail and Internet facilities on the ground floor / Agora. Each participant will be given a personal ID upon registration on-site for free access to the services.

Messages and Changes in the Programme
Changes and Updates to the programme will be displayed on the Notice Board located by the Registration Desk. All messages for participants will be placed on this Notice Board, too.
Meals and Coffee
Lunches are provided by the two student restaurants on the Congress site: Piato in the Agora Building and Wilhelmiina in the MaA - Building. The lunch tickets (3), valid Thu-Fri-Sat, are attached to your name badge. Coffee / tea will be served in the Agora lobby during the breaks. The restaurants are happy to serve you at other times.

Evening Programme for Registered Delegates and Accompanying Persons
- Wednesday
  - Welcoming Reception hosted by the City of Jyväskylä
    20:30 - 22:00, Agora Building
    All welcome!
- Thursday
  - Technical Excursion – Cruise on a Lake and Dinner at Savutuvan Apaja
    17:00 departure by boat from the city harbour
    21:00 and 22:00 return transportation by busses to the city
    Pre-booking required (entry ticket for a nominal fee 25 €);
- Saturday
  - Congress Dinner, 20:00 – Midnight, Paviljonki Restaurant
    Booking for the dinner on the basis of pre-registrations.
    Please check with the Congress Office for possible vacancies.

Smoking Policy
In Finland smoking is always prohibited in public spaces and public transportation; please take notice of the signs TUPAKOINTI KIELLETTY (No Smoking).

Transportation
As all locations are within a walking distance, there is no transportation provided between the hotels and the congress venue.

We wish you a successful congress and an enjoyable stay in Jyväskylä!
COMMITTEES

ERSA 2003 congress has an organizing committee, an executive committee and a scientific committee.

Organizing Committee

Chairman
Hannu Tervo, University of Jyväskylä

Congress secretariat
Kirsi Mukkala, University of Jyväskylä
Taru-Maija Heilala-Rasimov, Jyväskylä Congresses

I Program
Heikki Eskelinen, University of Joensuu (vice-chairman of the LOC, program coordinator)
Sari Pekkala, Government Institute for Economic Research (program secretary)
Heikki Loikkanen, University of Helsinki (organizer of plenary session)
Paavo Okko, Turku School of Economics and Business Administration
Andreas Cornett, NS-RSA, Syddansk Universitet
Aki Kangasharju, Government Institute for Economic Research
Ilkka Susiluoto, City of Helsinki Urban Facts, research

II Finance
Tuomo Nenonen, University of Jyväskylä (finance coordinator)
Jaakko Pehkonen, University of Jyväskylä
Olli Kultalahti, University of Tampere

III Marketing, web-sites
Jari Ritsilä, University of Jyväskylä (coordinator)
Mika Haapanen, University of Jyväskylä
Elli Heikkilä, Institute of Migration, Turku

IV Technical excursions, social program, exhibitions etc.
Hannu Niittykangas, University of Jyväskylä (coordinator)
Taru-Maija Heilala-Rasimov, Jyväskylä Congresses

The executive committee (working team) consists of the chairman, congress secretary and four coordinators.

Hotel reservations, registration, money transfer, transportation within Jyväskylä and excursions are handled by the PCO office Jyväskylä Congresses.
Scientific Committee

- Heikki Eskelinen (chairman)
  Karelian Institute, University of Joensuu, Finland
- Hannu Tervo
  School of Business and Economics, University of Jyväskylä, Finland
- Sari Pekkala
  Government Institute for Economic Research, Finland

Members

- Jorgen Ole Baerenholdt
  Department Geography and International Development Studies, University of Roskilde, Denmark
- Johannes Bröcker
  Institute for Regional Research, University of Kiel, Germany
- Roberta Capello
  Department of Economics and Production, Politecnico di Milano, Italy
- Riccardo Cappellin
  Faculty of Economics, University of Rome, Italy
- Harry Cocossis
  Department of Planning and Regional Development, University of Thessaly, Greece
- Andreas Cornett
  University of Southern Denmark, Denmark
- Graham Crampton
  Faculty of Urban and Regional Studies, University of Reading, UK
- Mike Danson
  Economics, University of Paisley, UK
- Jouke van Dijk
  Faculty of Spatial Sciences, University of Groningen, The Netherlands
- Thiemo Eser
  University of Trier, Germany
- Manfred Fischer
  Department of Geography & Geoinformatics, Vienna University of Economics and Business Administration, Austria
- Henk Folmer
  Department of Economics, Agricultural University, The Netherlands
- Zlatan Froehlich
  Ekonomski Institut-Zagreb, Croatia
- Elli Heikkilä
  Institute of Migration, Finland
- Ivan Illes
  Hungary
- Charlie Karlsson
  Jönköping International Business School, Sweden
- Heikki Loikkanen
  University of Helsinki, Finland
- Enrique Lopez-Bazo
  Department of Econometrics, Statistics and Spanish Economy, University of Barcelona, Spain
- Philip McCann
  Faculty of Urban and Regional Studies, University of Reading, UK
• Kevin McNamara
  Department of Agricultural Economics, Purdue University, USA

• Annekatrin Niebuhr
  Hamburg Institute of World Economics, Germany

• Hannu Niittykangas
  School of Business and Economics, University of Jyväskylä, Finland

• Jan-Evert Nilsson
  Centre for Regional Development Planning, Sweden

• Jan Oosterhaven
  Department of Economics, University of Groningen, The Netherlands

• Adriaan Perrels
  Government Institute for Economic Research, Finland

• Garri Raagma
  Institute of Geography, University of Tartu, Estonia

• Aura Reggiani
  Department of Economics, University of Bologna, Italy

• Piet Rietveld
  Faculty of Economics, Free University of Amsterdam, The Netherlands

• Jari Ritsilä
  University of Jyväskylä, Finland

• Angelo Rossi
  Institute for National, Regional and Local Planning, Switzerland

• Laurie Schintler
  School of Public Policy, Virginia, USA

• Michael Sonis
  Department of Geography, University of Illinois at Urbana-Champaign, USA

• Lasse Stambol
  The Central Bureau of Statistics in Norway, Norway

• Ilkka Susiluoto
  University of Helsinki, Finland

• Markku Tykkyläinen
  Department of Geography, University of Joensuu, Finland

• Erik Verhoef
  Department of Spatial Economics, Free University of Amsterdam, The Netherlands

• Roger Vickerman
  Department of Economics, University of Kent, UK

• Brigitte Waldorf
  Department of Geography and Regional Development, University of Arizona, USA

• Hans Westlund
  Swedish Institute for Growth Policy Studies, Sweden

• Dmitri Zimine
  St. Petersburg Centre for Russian Studies, Russia
PROGRAM STRUCTURE

**Wednesday 27th August**
- 13.00 - 16.00 EOC meeting, on invitation only / Room Lea Pulkkinen
- 14.00 - 19.00 Registration / Agora Hall
- 19.00 - 20.30 Opening ceremony / Ag aud. 1 and 2
- 20.30 - 22.00 Welcome reception hosted by the City of Jyväskylä / Agora Hall

**Thursday 28th August**
- 08.00 - 16:30 Registration continues / Agora Hall
- 09.30 - 11.30 Award Ceremony in European Prize in Regional Science, August-Lösch Lectures / Ag aud.1 and 2
- 11.30 - 13.00 Lunch / Piato and Wilhelmiina
- 13.00 - 14.30 Parallel sessions: young scientists
- 14.30 - 15.00 Coffee break / Agora Hall
- 15.00 - 16.30 Parallel sessions
- 17.00 - 22.00 Technical excursion: a cruise on Lake Päijänne to Savutuvan Apaja / Departure by boat from the city harbour

**Friday 29th August**
- 09.00 - 10.30 Parallel sessions
- 10.30 - 11.00 Coffee break / Agora Hall
- 11.00 - 12.30 Plenary session: *Centres, Peripheries and Spatial Development* / Ag aud.1 and 2
- 12.30 - 14.00 Lunch / Piato and Wilhelmiina
- 14.00 - 16.00 Parallel sessions: R-papers
- 16.00 - 16.30 Coffee break / Agora Hall
- 16.00 - 19.00 ERSAC meeting, on invitation only / Room Lea Pulkkinen
- 16.30 - 18.00 Parallel sessions
- 18.30 - 21.00 Informal soccer tournament / Viitaniemi

**Saturday 30th August**
- 09.00 - 10.30 Parallel sessions
- 10.30 - 11.00 Coffee break / Agora Hall
- 11.00 - 12.30 Parallel sessions
- 12.30 - 14.00 Lunch / Piato and Wilhelmiina
- 14.00 - 16.00 Parallel sessions: R-papers
- 16.00 - 16.30 Coffee break / Agora Hall
- 16.00 - 18.30 RSAI Council meeting, on invitation only / Room Lea Pulkkinen
- 16.30 - 18.30 Parallel sessions
- 20.00 - Congress dinner in Paviljonki, sponsored by Jyväskylä Regional Development Company Jykes Ltd. and Regional Council of Central Finland
PROGRAM

The final programme comprises three types of parallel sessions: R-sessions, O-sessions and P-sessions. The R-sessions are based on refereed papers and O- and P- sessions (ordinary/presentation sessions) on accepted abstracts. To be included into O-sessions presupposed a submission of the full paper. If the paper was not submitted beforehand (but the abstract was accepted) the presentation is included into P-sessions. These sessions include shorter presentations.

All the papers in R- and O-sessions are included into the congress CD-Rom (with minor exceptions).

In general, to be included into the programme presupposed registration and payment of the fees.

The question mark in brackets (?) after the title of the presentation indicates that the presentation is still uncertain. In these presentations, the paper has been submitted, but no one of the authors has registered.

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<tr>
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<td>• Aino Sallinen, Rector, University of Jyväskylä</td>
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<td>• Mauri Pekkarinen, Minister of Trade and Industry, Finnish Government</td>
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<td>• Ditte Stürmer, Head of External Relations, City of Jyväskylä</td>
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<td>• Roberto Camagni, President ERSA</td>
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<td>• Antoine Bailly, President RSAI</td>
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Thursday 28th August

08:00-16:30  | Registration / Agora Hall
09:30-11:30  | Award Ceremony, chaired by Roberto Camagni / Ag aud. 1 and 2

- Intervention on the aims and significance of the European Prize in Regional Science: Roberto Camagni, President ERSA
- Presentation of the awards: Daniel Shefer, President of the Jury
- August-Lösch Lectures:
  - Peter Nijkamp, award winner 2002
  - Jean Paelinck, award winner 2003

11:30-13:00  | Lunch / Piato and Wilhelmiina
13:00-14:30  | Young scientist sessions

**Theme X01: Young scientist session I**

**Time:** Thursday, 28.Aug.2003 13:00-14:30  
**Location:** Ag Alfa  
**Chair:** Juan R. Cuadrado-Roura

- Arzu Basaran, *Determination of Agents and Their Strategies in River Basin according to Game Theory*
- Nelson Duarte, *The existent relation between development and entrepreneurial strategies – a preliminary analysis*

**Theme X02: Young scientist session II**

**Time:** Thursday, 28.Aug.2003 13:00-14:30  
**Location:** Ag Beeta  
**Chair:** Philip McCann

- Johanna Yliskylä-Peuralahti, *Relocation of government activities as a regional policy measure*
- Agita Slara, *Regional strategies in Baltic countries*

**Theme X03: Young scientist session III**

**Time:** Thursday, 28.Aug.2003 13:00-14:30  
**Location:** Ag C231.1  
**Chair:** Thiess Buettner

- Jens Suedekum, *Increasing Returns and Spatial Unemployment Disparities*
- Kirsi Mukkala, *Agglomeration economies in the Finnish manufacturing sector*
Theme X04: Young scientist session IV

Time: Thursday, 28.Aug.2003 13:00-14:30  
Location: Ag Delta  
Chair: Jos Van Ommeren  
- Jaakko Simonen, *Regional Externalities in the Dynamic System of Three Regions*  
- Morten Marott Larsen, *Location of the labour force in an interregional general equilibrium model – an applied case*

Theme X05: Young scientist session V

Time: Thursday, 28.Aug.2003 13:00-14:30  
Location: Ag C232.1  
Chair: Brigitte Waldorf  
- Sanna-Mari Ahtonen, *Spatial autocorrelation in employment-output relation*  
- Krister Sandberg, *On Space-Time Changes of Hedonic Prices for Single Family Homes*

Theme X06: Young scientist session VI

Time: Thursday, 28.Aug.2003 13:00-14:30  
Location: Ag Gamma  
Chair: Ronald William McQuaid  
- Morten Marott Larsen, *Regional wage differentials - does distance matter?*  
- Miyase YeSIM Köksal, *Regional Variation in New Firm Formation in Turkey: Cross-Section and Panel Data Evidence*

Theme X07: Young scientist session VII

Time: Thursday, 28.Aug.2003 13:00-14:30  
Location: Ag C233.1  
Chair: Henri L.F. De Groot  
- Vitor Braga, *Regional growth and local convergence: Evidence for Portugal*  
- Ugo Fratesi, *Innovation Diffusion and the Evolution of Regional Disparities*

Theme X08: Young scientist session VIII

Time: Thursday, 28.Aug.2003 13:00-14:30  
Location: Ag C234.1  
Chair: Raymond Florax  
- Ivana Rasic, *Introduction of Nomenclature of Territorial Units for Statistics in Croatia*  
- Adam Drobnik, *Evaluation of Local Development Strategies and Process of Their Implementation in the Silesia Region (?)*
Theme X09: Young scientist session IX

Time: Thursday, 28.Aug.2003 13:00-14:30
Location: MaD 259
Chair: Paul Cheshire
- Olivier Thomas, Participatory democracy and urban governance in France: Are they still utopian views?
- Luisa Decuir-Viruez, Institutional Factors in the Economic growth of Mexico

Theme X10: Young scientist session X

Time: Thursday, 28.Aug.2003 13:00-14:30
Location: MaD 302
Chair: Peter Batey
- Nuno Caleia Rodrigues, The Economic Activity in Lisbon. Structural axis and squares
- Irena Djokic, Where does success in local development come from?

Theme X11: Young scientist session XI

Time: Thursday, 28.Aug.2003 13:00-14:30
Location: MaA 211
Chair: Jouke Van Dijk
- Nicola D. Coniglio, Francesco Prota, Human Capital Accumulation and Migration in a Peripheral EU Region: the Case of Basilicata
- Satu Nivalainen, Who move to rural areas? Micro Evidence from Finland

Theme X12: Young scientist session XII

Time: Thursday, 28.Aug.2003 13:00-14:30
Location: MaC 102
Chair: Antoine Bailly
- Dirk Drenk, Sustainable business - A way to implement new jobs?
- Maria Kozyreva, Usage of experience of development of territories with similar socio-economic characteristics taken as a whole as an instrument of Kronshtadt sustainable development

Theme X13: Young scientist session XIII

Time: Thursday, 28.Aug.2003 13:00-14:30
Location: MaA 210
Chair: Roger Vickerman
- Michael Dooms, Cathy Macharis, A framework for sustainable port planning in inland ports: a multistakeholder approach
- Antonio Tavares, Can the Market Be Used to Preserve Land? The Case for Transfer of Development Rights

14:30-15:00  Coffee break / Agora Hall
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<td>15:00-16:30</td>
<td><strong>Theme A:</strong> Re-evaluation of the theoretical toolbox of regional science by M. Sonis</td>
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**Central place theory and dynamic input-output analysis**

**Time:** Thursday, 28 Aug. 2003 15:00-16:30  
**Location:** Ag Alfa  
**Chair:** Jan Oosterhaven  
- Michael Sonis, *Critical analysis and reassessment of the methodology of the Central Place Theory*  
  (Discussant: Masahisa Fujita and Roberto Camagni)  
- Geoffrey Hewings, Michael Sonis, *New developments in Input-Output Analysis: Fields of Influence of changes, Temporal Leontief Inverse and the renovation of the classical Key Sector Analysis*  
  (Discussant: Peter Batey)

**Theme B01: Methods and modelling**

**Time:** Thursday, 28 Aug. 2003 15:00-16:30  
**Location:** Ag C232.1  
**Chair:** Giovanni Rabino  
- Gertrudes Saúde Guerreiro, António Caleiro, *Explaining the Election Results in Portugal: A Spatial Econometrics Point of View*  
- Tomas del Barrio, Josep Li Carrion, Enrique Lopez-Bazo, *Evidence on the Purchasing Power Parity in Panel of Cities*  
- Wim Wijnen, Walter Manshanden, Jos Muskens, *Regional economic effects of revitalization of industrial sites: an input-output approach*  
- Francesco Scarlatti, Giovanni Rabino, *The Study of Perception and Project of the Territory Using Brain Storming*

**Theme D: Spatial development and planning in Europe**

**Time:** Thursday, 28 Aug. 2003 15:00-16:30  
**Location:** Ag Beeta  
**Chair:** Thiemo W. Eser  
- Stefano Panebianco, Michael Kiehl, *Suburbanisation, Counterurbanisation, Reurbanisation? An empirical analysis of recent employment and population trends in Western Europe*  
- Javier Alfonso-Gil, *Public Goods and Territory*  
- Christof Abegg, Alain Thierstein, *The liberalization of public services and their impact on the competitiveness of firms: a case study in the Alpine regions of Switzerland*  
- Harry Coccossis, Alex Deffner, Dimitris Economou, *Urban/Regional Co-Operation in Greece: Athens, a Capital City under the Shadow of the State*

**Theme E: Enlargement and beyond**

**Time:** Thursday, 28 Aug. 2003 15:00-16:30  
**Location:** Ag Delta  
**Chair:** Johannes Stephan  
- Daniela Nepote, Sylvie Occelli, *Beyond core-periphery relationship*
ERSA 2003

Theme F: Regional strategies and policies, evaluation

**Time:** Thursday, 28.Aug.2003 15:00-16:30

**Location:** Ag C233.1

**Chair:** Stephen Roper

- Gülden Erkut, Mete Basar Baypinar, *EU Integration and the Change of Spatial Organization in Turkey*
- Michael H. Stierle, Ulrike von Schütz, *Regional specialisation and sectoral concentration: an empirical analysis for the enlarged EU*
- Johannes Stephan, *Industrial Specialisation and Productivity Catch-Up in CEECs - Patterns and Prospects*

Theme L: Environment, tourism, recreation

**Environment I**

**Time:** Thursday, 28.Aug.2003 15:00-16:30

**Location:** Ag Gamma

**Chair:** Caroline Rodenburg

- Alex R. Hoen, Machiel Mulder, *A decomposition analysis of the emission of CO2*
- Matthias Ruth, *Modeling Infrastructure Vulnerabilities and Adaptation to Climate Change in Urban Systems: Methodology and Application to Metropolitan Boston*
- Ulger Suleyman, Higano Yoshiro, *A study on dynamic modeling to examine the impact of reducing water pollution on market condition in the Turkish Black Sea Basin*
- Eveline van Leeuwen, Caroline Rodenburg, Ron Vreeker, *A Framework for Quality of Life Assessment of Urban Green Areas in Europe; An application to District Park Reudnitz Leipzig*

Theme P: Land use, natural assets and sustainability

**Sustainability**

**Time:** Thursday, 28.Aug.2003 15:00-16:30

**Location:** MaA 210

**Chair:** Sylvie Ferrari

- Reyhan Yigiter, Funda Yirmibesoglu, *Local Agenda 21 and Practices in Turkey*
- Aygun Erdogan, *Statistical Approaches in GIS-Based Techniques for Sustainable Planning: Kayaçukuru Case*
- Maurizio Biondi, Giovanna Corridore, Bernardino Romano, Giulio Tamburini, Pierantonio Tetè, *Evaluation and Planning Control of the*
Ecosystem Fragmentation Due to Urban Development

- Sylvie Ferrari, *Land use and agriculture sustainability: does landscape matter?*

**Theme PR1: Presentation session I**

**Time:** Thursday, 28.Aug.2003 15:00-16:30  
**Location:** MaA 211  
**Chair:** Gunther Maier

- Bernd Schuh, Sabine Sedlacek, "New" public policy instruments – new wine in old barrels? The impact of new public policy instruments to implement new regional strategies
- Naoru Koizumi, Philip McCann, *Housing Decisions in Panama: A Log-Linear Analysis*
- Jos Van Ommeren, Commuting, housing and labour markets: the role of market imperfections
- Marco Percoco, *Immigrants and Discrimination in the Cities*
- Leo J.G. Van Wissen, *Geographical variability of Gibrat’s law of firm growth*
- Philipp Kaufmann, Gunther Maier, *Population Migration and Suburbanization in the Vienna (Austria) Region*

**Theme PR2: Presentation session II**

**Time:** Thursday, 28.Aug.2003 15:00-16:30  
**Location:** MaC 102  
**Chair:** Ugo Fratesi

- Bart Jourquin, Chrystelle Lapierre, *Post-deregulation aspects on Belgian Inland Waterways Network Impact on activity chains and modal choice*
- Haim Aviram, Dany Shefer, *Differential Impact of a Large-Scale Transportation Project on Land Values*
- Bjarne Madsen, Chris Jensen-Butler, *Modelling road pricing in an interregional general equilibrium framework. The Danish case*
- Francesca Medda, Peter Nijkamp, Piet Rietveld, *Modelling the Dynamic Effects of Transport Improvement on Urban Shape*
- Reyhan Yigiter, Nazmiye Civan, *Use of Geographical Information Systems in the Urban Park Planning Process*
- Marco Alderighi, Ugo Fratesi, *Trans-national networks, regional infrastructure and the dynamics of competitive advantages*
Theme R: STELLA session: Institutions, regulation and sustainable transport by A. Perrels

**Time:** Thursday, 28.Aug.2003 15:00-16:30  
**Location:** MaD 259  
**Chair:** Adriaan Perrels

- Jasper Willigers, *High-speed railway developments and corporate location decisions. The role of accessibility*
- Roger Vickerman, *The Regional Effects of Experience with the Private Finance of Transport Infrastructure: Some Evidence from the UK*
- Heike Link, *Estimates of marginal infrastructure costs for different modes of transport*
- Jérôme Massiani, *Benefits of travel time savings for freight transportation: beyond the costs*
- Adriaan Perrels, *The basic service quality level of transport infrastructure in peripheral areas*

**Theme U: Social capital**

**Time:** Thursday, 28.Aug.2003 15:00-16:30  
**Location:** Ag C231.1  
**Chair:** Robert Stimson

- Stein Ostbye, Olle Westerlund, *Comparing home-grown fruits: productivity convergence across industries and regions*  
  (Discussant: Ton Van Schaik)
- Esko Lehto, Jukka Oksa, *Local Development and Social Capital: The Case of Sotkamo*  
  (Discussant: Karin Tillberg Mattsson)
- Helmut Schrader, *Social capital, regional governance and economic performance of rural areas - concept and empirical evidence from case studies in East and West Germany*  
  (Discussant: Hans Westlund)
- Robert Stimson, John Western, Scott Baum, Yolanda Van Gellecum, *Measuring Community Strength and Social Capital*  
  (Discussant: Tomi Tura)

**Theme W: Learning and regional development**

**Time:** Thursday, 28.Aug.2003 15:00-16:30  
**Location:** Ag C234.1  
**Chair:** Petri Ruuskanen

- Andra Aldea-Partanen, Heimo Keränen, Susanna Nevalainen, *Aurora Borealis. Project Cycle Management in Regional Development*
- Carla Sa, Raymond Florax, Piet Rietveld, *Does Proximity of Schools Matter? Choice Behavior of High School Leavers Concerning Academic or Professional Training*
- Åge Mariussen, Seija Virkkala, *Regional development and "innovation systems" in the Nordic countries*
- Petri Ruuskanen, *Social capital and knowledge spillovers*
Thursday 28th August

17:00-22:00  **Technical excursion / a cruise on Lake Päijänne to Savutuvan Apaja; departure by boat from the city harbour**

**Friday 29th August**

09:00-10:30  **Parallel sessions**

**Panel: What is happening in peripheral regions, and why?**

**Time:** Friday, 29.Aug.2003 09:00-10:30  
**Location:** Agora aud.2  
**Chair:** Hervé Duff, Economic Development Canada (Canada)  
- Pierre Marcel Desjardins, Université Moncton (Canada)  
- Lars Olof Persson, Nordregio (Sweden)  
- Ronald McQuaid, Napier University (Scotland)  
- James Karlsen, Agder Research and Ministry of Local Administration and Regional Development (Norway)

**Theme B02: STELLA session: Methods and models in transport and telecommunications: New perspectives from Europe and America by A. Reggiani and L. Schintler**

**Time:** Friday, 29.Aug.2003 09:00-10:30  
**Location:** Ag Alfa  
**Chair:** Aura Reggiani  
- David Boyce, Huw Williams, *Urban Travel Forecasting Models in the UK and USA: The State of the Art versus the State of the Practice* (Discussant: Aura Reggiani)  
- Manfred M. Fischer, *GIS and Network Analysis* (Discussant: Tschangho John Kim)  
- Tiina Heikkinen, *A Random Utility Model of Demand for Variety under Spatial Differentiation* (Discussant: Laurie A. Schintler)

**Theme C: Location theory and location of economic activity**

**Time:** Friday, 29.Aug.2003 09:00-10:30  
**Location:** MaA 211  
**Chair:** Folke Snickars  
- Tomokazu Arita, Philip McCann, *A comparative analysis of the location behaviour of the US and European semiconductor manufacturers*  
- Juan Ignacio Dalmau-Porta, Maria del Val Segarra-Oña, *A Methodological Proposal to Evaluate the Sinergical Industry Concentration*  
- Marcus Adolphson, Folke Snickars, *On Analysing Changes in Urban Form – Some Theoretical and Methodological Issues*
Theme F: Regional strategies and policies, evaluation

**Time:** Friday, 29.Aug.2003 09:00-10:30  
**Location:** Ag C234.1  
**Chair:** Martin T. W. Rosenfeld  
- Silke N. Haarich, Jaime del Castillo, *Mediation, Learning, Policy Evolution? – Goal-oriented Evaluation of the Promotion of R&D Activities and Innovation in Spanish Objective 1 Regions*  
- Roland Scherer, Simone Strauf, *How to measure the economic impacts of mega-events – the example of the World Economic Forum in Davos*  
- Marijuana Sumpor, Nenad Starc, *Pro-Active Regional Development Policy - the Croatian Case*  
- Martin T. W. Rosenfeld, *Institutional Aspects of Regional Policy: The Impact of Centralized vs. Decentralized Responsibilities in the Field of Regional Policy on Economic Efficiency and Interregional Cohesion*

Theme G: Urban economy

**Time:** Friday, 29.Aug.2003 09:00-10:30  
**Location:** MaD 259  
**Chair:** Markku Sotarauta  
- Yorgos N. Photis, Panos Manetos, *Simulation of urban system evolution in a synergetic modelling framework. The case of Attica, Greece*  
- Robert B. Noland, Mohammed A. Quddus, *Congestion and Safety: A Spatial Analysis of London*  
- Tom Kristian Alex Petersen, *A propensity score matching method for the link between accessibility and productivity*  
- Markku Sotarauta, *Dynamic Capacities in Promotion of Economic Development of City-regions*

Theme H: Rural and peripheral regions (incl. MOST-subsession: Local development dynamics and potential in peripheral areas)

**Time:** Friday, 29.Aug.2003 09:00-10:30  
**Location:** MaC 102  
**Chair:** Andrew Copus  
- Johannes Lückenkötter, Stefano Panebianco, *Soft location factors – determinants of regional economic growth in peripheral regions?*  
- Barbara Szymoniuk, *Rural Clusters in the Lublin Region (Eastern Poland)- Good Solutions for a Young Democracy*  
- Patrick Commins, Andrew Copus, Timo Lakso, Marsaili MacLeod, Dimitris Skuras, *The geography of transaction linkages in twelve European case study regions*
Theme I: Regional labour and housing markets

**Time:** Friday, 29.Aug.2003 09:00-10:30  
**Location:** Ag C233.1  
**Chair:** Maud Hensen

- Jos Van Ommeren, Wouter Vermeulen, *Commuting and Panel Spatial Interaction Models: Evidence of Variation of the Distance-Effect over Time and Space*
- Amélia Bastos, Graça Leão Fernandes, José Passos, *Estimation of Gender wage Discrimination in the Portuguese labour market*
- Gennadi Kazakevitch, *Once again on Interregional, International and Cross-age Comparison of Unemployment*
- Frank Cörvers, Maud Hensen, *The regionalization of labour markets by modelling commuting behaviour*

Theme K: Transport and communications

**Air transport**

**Time:** Friday, 29.Aug.2003 09:00-10:30  
**Location:** Ag Beeta  
**Chair:** Frank Bruinsma

- Luigi La Franca, Mario Catalano, Giuseppa Luzzio, Daniela Mortelliti, *The Contribution of Air Logistics to the Development of Sicilian Economy*
- Arnab Majumdar, Washington Ochieng, Robert B. Noland, *An Analysis of the Spatio-Temporal Factors Affecting Aircraft Conflicts Based on Simulation Modelling*
- Frank Bruinsma, Piet Rietveld, Ricardo Westra, *Price Discrimination in Aviation: The End of the Loyalty to the National Carrier*

Theme L: Environment, tourism, recreation

**Environment II**

**Time:** Friday, 29.Aug.2003 09:00-10:30  
**Location:** Ag C231.1  
**Chair:** Petri Tapio

- Rimah Melhem, Yoshiro Higano, *A Study for the Necessity of Risk Assessment for Heavy metal Pollution in the Barada Basin, Syria*
- Keiko Hirota, Jacques Poot, *Do policy incentives affect the environmental impact of private car use? Evidence from a sample of large cities*
- Petri Tapio, Jyrki Luukkanen, *Regional patterns of transport CO2 and total CO2 emissions in the EU15 countries*
Theme N: Innovations and technology in space

_Innovation networks_

_Time:_ Friday, 29.Aug.2003 09:00-10:30  
_Location:_ Ag Gamma  
_Chair:_ Heikki Eskelinen

- Bernard Bourelle, Nicole Commerçon, Myriam Normand, _Health networks: an innovation in the territorial offer of medical cares in France_
- Andrea Gebauer, Chang Woon Nam, Rüdiger Parsche, _Regional Technology Policy and Factors Shaping Local Innovation Networks in Small German Cities_
- Jessie Poon, Alan MacPherson, _Technology Acquisition among Asian Firms and Technology Clusters in the United States_
- Heikki Eskelinen, Lauri Frank, Timo Hirvonen, _Fine-grained Patterns of the Digital Divide: Differences of Broadband Access within Finland_

Theme O: Entrepreneurship

_Time:_ Friday, 29.Aug.2003 09:00-10:30  
_Location:_ Ag Delta  
_Chair:_ Aleid E. Brouwer

- Francesco Losurdo, Annamaria Stramaglia, _Effects of Local Specialization of Investment Subsidies in Italy_
- Adli Abouzeedan, _Financing Swedish Small and Medium-Sized Enterprises: Methods, Problems and Impact_
- Aleid E. Brouwer, _An empirical study on the relationship between the spatial environment and the survival of old firms in the Netherlands_

Theme T: External and internal borders

_Time:_ Friday, 29.Aug.2003 09:00-10:30  
_Location:_ MaA 210  
_Chair:_ Dmitry Zimin

- Riitta Kosonen, Tuuli Juurikkala, _Monitoring regional differences in Northwest Russia_
- Felix Fedorovich Rybakov, Sergei Felixovich Sutyrin, Nikita Evgenjevich Lisitsyn, _Administrative and economic dimensions of regionalization: case of Leningrad Province and North-Western Federal District of Russia_
- Pavel Druzhinin, _Economic development of a peripheral region: the case of Karelian timber industry_
- Dmitry Zimin, _Socio-economic development of border municipalities: the cases of Vyborg and Sortavala_

Theme U: Social capital

_Time:_ Friday, 29.Aug.2003 09:00-10:30  
_Location:_ Ag C232.1  
_Chair:_ Hans Westlund

- Tomi Tura, Vesa Harmaakorpi, _Social Capital in Building Regional_
Innovative Capability: A Theoretical and Conceptual Assessment
(Discussant: David O'Brien)

- Ulla Kotonen, Jyrki Ahola, Regional strategies as generators of trust between regional actors Case: South Karelia
  (Discussant: Helmut Schrader)

- Karin Tillberg Mattsson, Susanne Stenbacka, Gendered Social Capital - A Case Study of Sports and Music Associations in Leksand and Rättvik, Sweden
  (Discussant: Ulla Kotonen)

- Hans Westlund, Elin Nilsson, Measuring enterprises’ investments in social capital - a pilot study
  (Discussant: Robert Stimson)

10:30-11:00 Coffee break / Agora Hall

11:00-12:30 Plenary session, chaired by Heikki Loikkanen / Ag aud. 1 and 2

- Centres, Peripheries and Spatial Development
- Key note speakers:
  o Masahisa Fujita (Kyoto University)
  o Åke Andersson (Royal Institute of Technology, Stockholm)

12:30-14:00 Lunch / Piato and Wilhelmiina

14:00-16:00 R-sessions

Theme B01: Methods and modelling

Techniques in regional and urban economics

Time: Friday, 29.Aug.2003 14:00-16:00
Location: MaC 102
Chair: Enrique Lopez-Bazo

- Jorgen Lauridsen, Reinhold Kosfeld, A Test Strategy for Spurious Spatial Regression, Spatial Nonstationarity, and Spatial Cointegration
  (Discussant: Raymond Florax)

- Bart Jourquin, Sabine Limbourg, Assignment techniques on Virtual Networks. Performance considerations on large multi-modal networks
  (Discussant: Bjarne Madsen)

- Isabelle Thomas, Marie-Laurence De Keersmaecker, Pierre Frankhauser, Using fractal dimensions for characterizing intra-urban diversity. The example of Brussels
  (Discussant: Gunther Maier)

- Stephane Hess, John Polak, An alternative method to the scrambled Halton sequence for removing correlation between standard Halton sequences in high dimensions
  (Discussant: Piet Rietveld)
Theme C: Location theory and location of economic activity

Time: Friday, 29.Aug.2003 14:00-16:00
Location: Ag Beeta
Chair: Kevin McNamara
- John A. Cantwell, Lucia Piscitello, The Recent Location of Foreign R&D Activities by Large MNCs in the European Regions. The Role of Different Sources of Spillovers (Discussant: Tomas Nilsson)
- José Cadima Ribeiro, José Freitas Santos, Retail Macro-location Factors: Empirical Evidence from the Portuguese Shopping Centres (Discussant: Tomas Nilsson)
- Marcella Scrimitore, Symmetric and Asymmetric Equilibria in a Spatial Duopoly (Discussant: Börje Johansson)
- Daniel A. Tirado, Jordi Pons, Elisenda Paluzie, Industrial agglomerations and wage gradients: the Spanish economy in the interwar period (?) (Discussant: Petri Böckerman)

Theme F: Regional strategies and policies, evaluation

Time: Friday, 29.Aug.2003 14:00-16:00
Location: Ag Delta
Chair: Mike Danson
- Colin Wren, Jonathan Jones, Re-investment, Survival and the Embeddedness of Foreign-Owned Plants (Discussant: Bernard Weinstein)
- Phil Cooke, The Regional Development Agency in the Knowledge Economy: Boundary Crossing for Innovation Systems (Discussant: Thorsten Bohn)
- Sjef Ederveen, Henri L.F. De Groot, Richard Nahuis, Fertile soil for Structural Funds? A panel data analysis of the conditional effectiveness of European cohesion policy (Discussant: George Pettrakos)

Theme G: Urban economy

Time: Friday, 29.Aug.2003 14:00-16:00
Location: Ag Gamma
Chair: Graham Crampton
- Thiess Buettner, Local Determinants of Crime: Distinguishing Between Resident and Non-resident Offenders (Discussant: Gülden Erkut)
- Boris A Portnov, Spatial Patterns of Crime in Israel: Investigating the Effects of Inter-urban Inequality and Proximity (Discussant: Graham Crampton)
- Juan-Carlos Candeal, Antonio Montañés, Irene Olloqui, Spurious Zipf's Law (Discussant: Manie Geyer)
Theme H: Rural and peripheral regions (incl. MOST-subsession: Local development dynamics and potential in peripheral areas)

**Time:** Friday, 29.Aug.2003 14:00-16:00  
**Location:** Ag C231.1  
**Chair:** Garri Raagmaa

- Simona Iammarino, Paolo Guerrieri, *The Dynamics of Export Specialisation in the Regions of the Italian Mezzogiorno: Persistence and Change*  
  (Discussant: Markku Tykkyläinen)

- Andres Rodríguez-Pose, Ugo Fratesi, *Regional economic cycles and the emergence of sheltered economies in the periphery of the EU*  
  (Discussant: Markku Tykkyläinen)

- Jørgen Ole Bærenholdt, *Coping in Nordic Peripheries - on the Spatial Production of Societies*  
  (Discussant: Seija Virkkala)

- Dimitris Ballas, Thanasis Kalogeresis, Lois Labrianidis, *A comparative study of typologies for rural areas in Europe*  
  (Discussant: Seija Virkkala)

Theme I: Regional labour and housing markets

**Time:** Friday, 29.Aug.2003 14:00-16:00  
**Location:** Ag C232.1  
**Chair:** Jouke Van Dijk

- Michael Beenstock, Daniel Felsenstein, *Decomposing the Dynamics of Regional Earnings Disparities in Israel*  
  (Discussant: Uwe Blien)

- Tomas Hanell, Lars Olof Persson, *Performance of Local Employment Systems*  
  (Discussant: Uwe Blien)

  (Discussant: Reinhold Kosfeld)

- William Collier, *The Impact of Demographic and Individual Heterogeneity on Unemployment Duration: A Regional Study*  
  (Discussant: Ossi Korkeamäki)

Theme K: Transport and communications

**Time:** Friday, 29.Aug.2003 14:00-16:00  
**Location:** Ag C233.1  
**Chair:** Jan Oosterhaven

- Olu Ashiru, John Polak, Robert B. Noland, *Development and Application of an Activity Based Space-Time Accessibility Measure for Individual Activity Schedules*  
  (Discussant: Philip McCann)

- Makoto Tsukai, Makoto Okumura, *Changes in Japan’s inter-regional business linkage structure*  
  (Discussant: Philip McCann)
• Jan Rouwendal, John Pommer, *A model of car ownership and use incorporating quality choice and ownership of multiple cars* (Discussant: Jan Oosterhaven)

• Brigitte Waldorf, David Pitfield, *Aging and Feminization: Implications for Future Travel Demands of the Elderly* (Discussant: Jan Oosterhaven)

**Theme L: Environment, tourism, recreation**

**Time:** Friday, 29.Aug.2003 14:00-16:00  
**Location:** Ag C234.1  
**Chair:** Angelo Rossi  
• John Houtsma, *Municipal Wastewater Treatment: a Comparison of the Performance of Public Sector and Contract Operated Plants* (Discussant: Angelo Rossi)  
• Axel J. Schaffer, *Isn't small beautiful?* (Discussant: Angelo Rossi)  
• Margarita Argüelles, Carmen Benavides, Celia Bilbao, Emma Ramos, *Determining the impact of economic activity in Asturias on greenhouse gas emissions* (Discussant: Henk Folmer)

**Theme M: IT and spatial patterns of economic growth**

**Growth and convergence**  
**Time:** Friday, 29.Aug.2003 14:00-16:00  
**Location:** MaA 211  
**Chair:** Aki Kangasharju  
• George Korres, Theodoros Iosifides, *Technical Change, Productivity and Economic Growth* (Discussant: Juan R. Cuadrado-Roura)  
• Adriana Di Liberto, Roberto Mura, Francesco Pigliaru, *A panel technique for the analysis of technology convergence: The case of the Italian regions* (Discussant: Juan R. Cuadrado-Roura)  
• Heikki Loikkanen, Marja Riihelä, Risto Sullström, *Regional income convergence and inequality in boom and bust. Results from micro data in Finland 1971-2000, and especially during the 1990s* (Discussant: Paul Cheshire)

**Theme N: Innovations and technology in space**

**Time:** Friday, 29.Aug.2003 14:00-16:00  
**Location:** MaA 210  
**Chair:** Charlie Karlsson  
**Discussant:** Roberta Capello  
• Thijs ten Raa, *Debreu’s Coefficient of Resource Utilization, the Solow Residual, and TFP: The Connection by Leontief Preferences*  
• José L. Calvo González, *The Export Activity of Spanish*
Manufacturing Firms: Does Innovation Matter?

- Riccardo Cappellin, *The relationship between needs and instruments of innovation policy in different regions: the Matrix INT* - *Instruments and Needs of Technology*

**Theme O: Entrepreneurship**

**Time:** Friday, 29.Aug.2003 14:00-16:00  
**Location:** MaD 259  
**Chair:** Hannu Niittykangas

- Adli Abouzeedan, Michael Busler, *Size effect on survivability of SMEs based on the survival index value (SIV) model*  
  (Discussant: Leo J.G. Van Wissen)
- Peter W. De Langen, Michiel Nijdam, *Leader Firms in the Dutch Maritime Cluster*  
  (Discussant: Leo J.G. Van Wissen)
- Raquel Ortega, Rosina Moreno, Jordi Surinach, *Ownership Structure and Innovation: Is There a Real Link?*  
  (Discussant: Sierdjan Koster)
- Reinhold Grotz, Udo Brixy, *Regional Patterns and Determinants of the Success of New Firms in Western Germany*  
  (Discussant: Stephen Roper)

**Theme U: Social capital**

**Time:** Friday, 29.Aug.2003 14:00-16:00  
**Location:** MaD 302  
**Chair:** Hans Westlund

  (Discussant: Sjoerd Beugelsdijk)
- Sjoerd Beugelsdijk, Sjak Smulders, *Bridging and Bonding Social Capital: which type is good for economic growth?*  
  (Discussant: Olle Westerlund)
- Sjoerd Beugelsdijk, Ton Van Schaik, *Social capital and regional economic growth*  
  (Discussant: Hans Westlund)

**Theme W: Learning and regional development**

**Time:** Friday, 29.Aug.2003 14:00-16:00  
**Location:** Ag Alfa  
**Chair:** Peter Nijkamp

- Jari Ritsilä, Jukka Haukka, *The Role of Structural Funds in Developing Learning Regions*  
  (Discussant: Michael S. Dahl)
- Giuseppina Passiante, Angelo Corallo, *A knowledge hub to enhance the learning processes of an industrial cluster*  
  (Discussant: Gerben Panne, van der)
- Immacolata Caruso, Tiziana Vitolo, Livia Cocchis, *The innovative role of public utilities: a strategy for local development*  
  (Discussant: Bernard Boureille)
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<td>16:00-16:30</td>
<td><strong>Coffee break</strong> / Agora Hall</td>
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<td>16:00-19:00</td>
<td><strong>ERSAC meeting</strong> on invitation only / Room Lea Pulkkinen</td>
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<td>16:30-18:00</td>
<td><strong>Parallel sessions</strong></td>
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**Theme B01: Methods and modelling**

**Time:** Friday, 29 Aug. 2003 16:30-18:00  
**Location:** Ag C232.1  
**Chair:** Juan Ignacio Dalmau-Porta  
- Esther Velazquez Alonso, *Analyzing Intersectorial Water Relationships by means of Graph Theory*  
- Giovanni Rabino, Francesco Scarlatti, *The Cladistic Technique for Territorial Studies*  
- Aldo Cavezzali, Alberto Girotti, Giovanni Rabino, *Multi-Agents Systems and Territory: Concepts, Methods and Applications*  
- Juan Ignacio Dalmau-Porta, Maria del Val Segarra-Oña, José Luis Hervás-Oliver, *The Importance of Local Aspects in Traditional Industries’ Competitiveness: an Overview of the State of the Art*

**Theme B02: STELLA session: Methods and models in transport and telecommunications: New perspectives from Europe and America by A. Reggiani and L. Schintler**

**Time:** Friday, 29 Aug. 2003 16:30-18:00  
**Location:** Ag C234.1  
**Chair:** Michael Sonis  
- Sandy Dall’erba, Kieran P. Donaghy, Geoffrey Hewings, Marco Percoco, *Convergence in Europe and in USA: Assessing the Impact of Structural Economic Differences* (Discussant: Marco Percoco)

**Theme F: Regional strategies and policies, evaluation**

**Time:** Friday, 29 Aug. 2003 16:30-18:00  
**Location:** Ag C233.1  
**Chair:** Sabine Sedlacek  
- Mark Hart, Helena Lenihan, Stephen Roper, *Evaluating the Net Additionality of Industrial Development Assistance in Ireland*  
- Martin Strele, Manfred Walser, *Quo vadis? How to measure the quality of local and regional development processes?*  
- Jan Mønnesland, Jon Inge Lian, Dag Juvkam, *Evaluation of the geographical scope of the Norwegian regional policy*  
- Veronika Gaube, Sabine Sedlacek, *New challenges in regional development - the role of regional institutions*
Theme I: Regional labour and housing markets

**Time:** Friday, 29.Aug.2003 16:30-18:00  
**Location:** MaA 210  
**Chair:** Uwe Blien
- Leena Kerkelä, Aki Kangasharju, Sari Pekkala, *Factor Price Equalization in Finland*
- Uwe Blien, *Formula allocation: The regional allocation of budgetary funds for measures of active labour market policy in Germany*
- Jos Van Ommeren, Michiel van Leuvensteijn, *New evidence of the effect of transaction costs on residential mobility*
- Uwe Blien, Van Phan, *Regional and occupational disparities in the wages of young blue- and white-collar workers*

Theme K: Transport and communications

*Transport and regional development*

**Time:** Friday, 29.Aug.2003 16:30-18:00  
**Location:** Ag Alfa  
**Chair:** Peter M.J. Pol
- Roger Vickerman, *Transport in an Integrating Europe: Sustainable Development and Cohesion*
- Mark Koetse, Frank Bruinsma, Piet Rietveld, *Costs of Road Infrastructure for Passenger and Freight Transport in The Netherlands*
- Vittorio Ruggiero, Luigi Scrofani, *Transport organization and economic development of an European peripherical region: the case of Sicily*
- Graham Crampton, *Economic Development Impacts of Urban Rail Transport*
- Peter M.J. Pol, *The Economic Impact of the High-Speed Train on Urban Regions*

Theme L: Environment, tourism, recreation

*Tourism I*

**Time:** Friday, 29.Aug.2003 16:30-18:00  
**Location:** Ag C231.1  
**Chair:** Heli Müristaja
- Farré Perdiguer Mariona, Enciso Rodriguez Joan Pere, *Protected areas as a chance for the local development. The National Park of “Aigüestortes i Estany de Sant Maurici” as a dynamising element in its area of influence.*
- Salvo Creaco, Giulio Querini, *The role of tourism in sustainable economic development*
- Eva Isabel González Guerrero, José López-Rubio, *Tourism and productivity: Case study of the hotel and catering industry in the Andalusian region*
- Heli Müristaja, *Development trends and the association of stakeholders in tourism development process in the case of Pärnu County (Estonia)*
Theme M: IT and spatial patterns of economic growth

**ICT and regional growth**

**Time:** Friday, 29.Aug.2003 16:30-18:00  
**Location:** Ag Beeta  
**Chair:** Stephen Roper  
- Simona Iammarino, Cecilia Jona-Lasinio, Susanna Mantegazza, *Regional growth and ICT in Italy: an analysis of SMEs versus large firms*  
- Kimmo Viljamaa, *The technological, economic and institutional aspects behind the development of biotechnology industry in Turku region, Finland*  
- Kenneth Kamwi Matengu, *The Diffusion of Modern technologies in Namibia*  
- Stephen Roper, Seamus Grimes, *Wireless Valley, Silicon Wadi and Digital Island - Helsinki, Tel Aviv and Dublin in the ICT Boom*

Theme N: Innovations and technology in space

**Time:** Friday, 29.Aug.2003 16:30-18:00  
**Location:** MaC 102  
**Chair:** Börje Johansson  
- Sarolta Németh, *Hungary and the Information Society: getting a grip on territorial impacts*  
- Pieter Bruijn, *Spatial dimensions of cooperation aimed at innovation*  
- Olof Ejermo, Börje Johansson, *Process Innovations in a Duopoly with Two Regions*

Theme P: Land use, natural assets and sustainability

**Land use**

**Time:** Friday, 29.Aug.2003 16:30-18:00  
**Location:** MaA 211  
**Chair:** Andrew Narwold  
- Giovanni Rabino, Francesca Sirtori, *Land Use Dynamics: a Cellular Automata*  
- Jian-Ming Zhou, *How to Achieve Efficient Land Use under Private Land Ownership - Overcoming a Global Obstacle Overlooked by Theodore W. Schultz and Albert O. Hirschman (?)*  
- Caroline Rodenburg, *Multifunctional Land Use: An Accessibility Interpretation*  
- Caterina Cirelli, Leonardo Mercatanti, Carmelo Maria Porto, *Sustainable development of Sicily east coast area*  
- Andrew Narwold, *Land Use Modification in an Urban Setting*
Theme PR3: Presentation session III

**Time:** Friday, 29.Aug.2003 16:30-18:00  
**Location:** MaD 259  
**Chair:** Mike Danson

- Thiemo W. Eser, The role of the sub-national level in the national sustainability strategies of the federal states of Austria, Germany and Switzerland
- Carlos Bacha, Adriana SanJuan, The Competitiveness of Brazil in the worldwide market of pulp
- Oe-Chool Choi, Young-Chool Choi, Evaluating the Periphery-Centre Policies in Korea
- Ayse Gedik, Sibel Toybiyik, The Impact of South East Anatolia Project on the Inter-regional Inequalities in Turkey
- Ugo Fratesi, Regional Policies and Their Effects the National Economies
- Mike Danson, Regional Development Agencies: which model for a small country?

Theme PR4: Presentation session IV

**Time:** Friday, 29.Aug.2003 16:30-18:00  
**Location:** MaD 302  
**Chair:** Ron Vreeker

- Jouni Kaipainen, The economic value of Finnish Countryside
- Nina Mustikkamäki, Distribution of Work in the Network Society - Intra-organisational networks and regional development in Finland
- Garri Raagmaa, Kristi Laustam, Public leaders as innovators in sparsely populated rural communities
- Johan Klaesson, Lars Pettersson, Regional Attraction and the Retail Service Industry
- Aku Alanen, Sami Niemeläinen, Hannu Pääkkönen, How to use time for bonding, bridging and linking social capital in Finland?
- Yorgos N. Photis, Konstantia Bessa, Spatiotemporal analysis of demand, supply and interaction patterns for tertiary services: Bank branch locations in the city of Volos, Greece
- Ron Vreeker, Evaluation of multifunctional land use; methodology and application

Theme Q: GIS

**Spatial econometrics and statistics**

**Time:** Friday, 29.Aug.2003 16:30-18:00  
**Location:** Ag Delta  
**Chair:** Manfred M. Fischer

- Claudia Stirboeck, Comparing Sectoral Investment and Employment Specialisation of EU Regions: A Spatial Econometric Analysis
- Giuseppe Arbia, Jean H. P. Paelinck, Border effects, specification
and estimation issues in continuous time regional convergence analysis

**Theme W: Learning and regional development**

**Time:** Friday, 29.Aug.2003 16:30-18:00  
**Location:** Ag Gamma  
**Chair:** Perttu Vartiainen

- Peter Arbo, Heikki Eskelinen, *The Role of Small, Comprehensive Universities in Regional Economic Development: Experiences from Two Nordic cases*
- Kent Nielsen, *University of Aarhus - the stepping stones*
- Michael S. Dahl, Bent Dalum, Håkan Ylinenpää, *The Role of University-Industry Links And Regional Policy: Comparing Three Regions with Comprehensive Technical Universities*
- Ingi Runar Edvardsson, Jan-Evert Nilsson, Åke Uhlin, *The role of Universities in Regional Development: Comparing Three Regions with New Universities (?)*

**18:30-21:00**  
**Informal soccer tournament / Viitaniemi**

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**Saturday 30th August**

**09:00-10:30**  
**Parallel sessions**

**Theme A: Re-evaluation of the theoretical toolbox of regional science by M. Sonis**

*Non-linear socio-economic dynamics*

**Time:** Saturday, 30.Aug.2003 09:00-10:30  
**Location:** Ag Alfa  
**Chair:** Aura Reggiani

- Wolfgang Weidlich, *Urban and Hinterland Evolution under Growing Population Pressure*  
  (Discussant: Michael Sonis)
- Dimitrios S. Dendrinos, Michael Sonis, *Socio-Spatial Dynamics and Discrete Non-linear Probabilistic Chains*  
  (Discussant: Akio Matsumoto)

**Theme B02: STELLA session: Methods and models in transport and telecommunications: New perspectives from Europe and America by A. Reggiani and L. Schintler**

**Time:** Saturday, 30.Aug.2003 09:00-10:30  
**Location:** Ag C234.1  
**Chair:** Laurie A. Schintler

- Kenneth Button, *Can Freight Transport Models be Transferred across the Atlantic?* (Discussant: David Boyce)
- Michel Beuthe, Christophe Bouffioux, Jan De Maeyer, *A multicriteria analysis of stated preferences among freight transport alternatives*
(Discussant: Roger Stough)

  
(Discussant: Michel Beuthe)

**Theme C: Location theory and location of economic activity**

**Time:** Saturday, 30.Aug.2003 09:00-10:30  
**Location:** Ag C231.1  
**Chair:** Martin Andersson

- Aki T. Koponen, *Regional perspectives on office service accessibility in Finnish banking markets: are there differences in service accessibility between the regions?*
- Gerke Hoogstra, Jouke Van Dijk, *Specification issues and sample selection in population-employment interaction models*
- Martin Andersson, *A dynamic approach to the tendency of industries to cluster*

**Theme F: Regional strategies and policies, evaluation**

**Time:** Saturday, 30.Aug.2003 09:00-10:30  
**Location:** Ag C232.1  
**Chair:** Miguel Roig-Alonso

- Igor Arzhenovsky, Natalia Solodkova, *The role of regional networks in regional policy: European experience and perspectives for Russia*
- Immacolata Caruso, Tiziana Vitolo, *Governance through “public utilities” models: a regional social interaction approach*
- Vesa Harmaakorpi, Arto Haikonen, Ilkka Kauranen, *The Shift of Techno-Economic Paradigm and Its Effects on Regional Disparities*
- Miguel Roig-Alonso, *Visibility of Burdens and Benefits of Public Revenue and Expenditure in OECD Countries with Two and Three Levels of Territorial Government*

**Theme J: Migration**

**Time:** Saturday, 30.Aug.2003 09:00-10:30  
**Location:** MaA 211  
**Chair:** Lars Olof Persson

- Johan Fredrik Rye, Arild Blekesaune, *Class and rural-urban migration*
- Wouter Vermeulen, Eugene Verkade, *Interregional migration in The Netherlands: an aggregate analysis*
- Mihails Hazans, *Determinants of Inter-Regional Migration in the Baltic Countries*
Theme L: Environment, tourism, recreation

Tourism II
Time: Saturday, 30.Aug.2003 09:00-10:30
Location: Ag Delta
Chair: Reinhold Grotz
• José Luis Sánchez-Ollero, Carlos Alberto Corró, New technologies and skills requirements in the hospitality sector in Andalusia (Spain) (?)
• Dmitri Piterski, Marina Rattchina, The development of Russian peripheral region. Ecological and geopolitical problems of the region of Caucasian spa resorts (?)
• Giulia Pesaro, Waiting for 2005’s World Skiing Championship: an Experimental Assessment of Tourism Sustainability in Sondrio Province
• Stefanie Foebker, Reinhold Grotz, Leisure-related mobility of elderly people: ways to sustainability

Theme O: Entrepreneurship

Entrepreneurship I
Time: Saturday, 30.Aug.2003 09:00-10:30
Location: MaA 210
Chair: Marina Geenhuizen van
• Tüzin Baycan-Levent, Enno Masurel, Peter Nijkamp, Gender Differences in Ethnic Entrepreneurship
• Sierdjan Koster, Spin-offs and Start-ups in The Netherlands
• Udo Brixy, Michael Niese, The determinants of regional differences in new firm formation in West-Germany
• Marina Geenhuizen van, Fostering Academic Entrepreneurship: New Insights into Incubation from an Evolutionary Perspective

Theme PR5: Presentation session V

Time: Saturday, 30.Aug.2003 09:00-10:30
Location: MaD 259
Chair: T. R. Lakshmanan
• Barry Ubbels, Erik Teodoor Verhoef, Public versus private involvement in road pricing
• Gert-Jan Linders, Henri L.F. De Groot, Raymond Florax, Systematic Variation in the Impact of Distance on International Trade Patterns
• Dany Shefer, Nurit Zakai, Estimating the Socio-Economic Benefits of the Yarkon Park in Tel Aviv
• Raffaele Paci, Ernesto Batteta, Innovation networks and flows across the European regions
• Bernard Weinstein, Has the North American Free Trade Agreement (NAFTA) Fulfilled its Promise? An Assessment after 10 Years
• Thomas De Graaff, Piet Rietveld, On the Trade-off between Teleworking and Commuting Time
• T. R. Lakshmanan, Ake Andersson, Urban Policy in a Global Economy
Theme Q: GIS

**Novel approaches in GIS and spatial modelling**

**Time:** Saturday, 30.Aug.2003 09:00-10:30  
**Location:** Ag C233.1

**Chair:** Manfred M. Fischer

- Jean-Claude Thill, William A. Kretzschmar, *Exploratory Analysis of English Dialect Features in the Middle and South Atlantic U.S. States by Self-Organizing Maps*
- Daniela Wanek, *Fuzzy Spatial Analysis Techniques in a Business GIS Environment*
- Yee Leung, Yong Ge, Jianghong Ma, Jinfeng Wang, *Measurement Errors and their Propagation in the Registration of Remote Sensing Images (?)*

Theme S: Demography and population

**Time:** Saturday, 30.Aug.2003 09:00-10:30  
**Location:** Ag Gamma

**Chair:** Lasse Sigbjørn Stambøl

- Elli Heikkilä, Taru Järvinen, *Country-internal migration and labour market activities of immigrants in Finland*
- Rachel Franklin, *Italian Fertility, 1864 to 1951: An Analysis of Regional Trends*
- Nilgun Ergun, Cengiz Giritlioglu, Funda Yirmibesoglu, *Social Change and Criminality in Istanbul*
- Lasse Sigbjørn Stambøl, *Urban and regional labour mobility performance in Norway*

Theme T: External and internal borders

**Time:** Saturday, 30.Aug.2003 09:00-10:30  
**Location:** Ag Beeta

**Chair:** Silvia Stiller

- Alexander Granberg, Ioulia Zaitseva, *Macroeconomy of the Russian regions – neighboring with the New European Union*
- Vladimir Didyk, *Structural Changes in the Murmansk Region’s Economy: Tendencies and Prospects*
- Dr. Rupert Kawka, *Regional Development along the Former Inner-German Border after Unification*
- Silvia Stiller, *Integration in the German-Polish border region – Status Quo and Current Developments*

Theme W: Learning and regional development

**Time:** Saturday, 30.Aug.2003 09:00-10:30  
**Location:** MaC 102

**Chair:** Giuseppe Pace

- Gunther Maier, *The Market Areas of Austrian Universities*
- Artur Mazurkiewicz, *The Methodology of Evolutionary Sector in the Analysis of Territorial Development Processes (?)*
• Eric, Thor, Olga Panteleeva, *An Assessment of Developing the Human Capital in Supply Chains Across Borders and Cultures in U.S. and Russia and CIS Government Programs* (?)

• Giuseppe Pace, *Intermediate institutions for innovation diffusion in a “governance” model: a theoretical approach*

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<tr>
<td>10:30-11:00</td>
<td><strong>Coffee break</strong> / Agora Hall</td>
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<td>11:00-12:30</td>
<td><strong>Parallel sessions</strong></td>
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**Panel: Policy responses to the decline in the periphery**

**Time:** Saturday, 30.Aug.2003 11:00-12:30  
**Location:** Agora aud.2  
**Chair:** Mario Polèse, INRS-Urbanisation, Culture et Société (Canada)  
- Hervé Duff, Economic Development Canada (Canada)  
- Andrew Copus, Scottish Agricultural College (Scotland)  
- Wade AuCoin, Atlantic Canada Opportunities Agency (Canada) to be confirmed  
- David Meredith, Teagasc (Ireland)

**Theme A: Re-evaluation of the theoretical toolbox of regional science by M. Sonis**

*Neural networks and transportation CGE analysis*

**Time:** Saturday, 30.Aug.2003 11:00-12:30  
**Location:** Ag Alfa  
**Chair:** Michael Sonis  
- Manfred M. Fischer, *Principles of Neural Spatial Interaction Modeling*  
  (Discussant: Laurie A. Schintler)  
- Johannes Bröcker, *Computable General Equilibrium Analysis in Transportation Economics*  
  (Discussant: Piet Rietveld)

**Theme B02: STELLA session: Methods and models in transport and telecommunications: New perspectives from Europe and America by A. Reggiani and L. Schintler**

**Time:** Saturday, 30.Aug.2003 11:00-12:30  
**Location:** Ag C234.1  
**Chair:** Peter Nijkamp  
- Milan Janic, Roger Stough, *Congestion Charging at Airports: Dealing with an Inherent Complexity*  
  (Discussant: Alessandro Cento)  
- Marco Alderighi, Alessandro Cento, *European Airlines Conduct after September 11th* (Discussant: Kenneth Button)  
- Domenico Campisi, Roberta Costa, Carlo Tesauro, *Fixed and Mobile Phoning in Italian Regions* (Discussant: Roger Stough)  
Theme E: Enlargement and beyond

**Time:** Saturday, 30.Aug.2003 11:00-12:30  
**Location:** MaA 211  
**Chair:** Paavo Okko  
- Paavo Okko, *Regional growth and convergence via integration – the case of the large EU*  
- Annekatrin Niebuhr, *Market Potential and Regional Disparities in Europe*  
- Laura Resmini, *Economic integration and regional patterns of industry location in transition countries*  
- Jan Stachowicz, Stanislaw Walukiewicz, *Setting up proinnovative networks in Silesia*

Theme F: Regional strategies and policies, evaluation

**Time:** Saturday, 30.Aug.2003 11:00-12:30  
**Location:** Ag C233.1  
**Chair:** Alexander Pelyasov  
- Roberto Ezcurra, Carlos Gil, Pedro Pascual, Manuel Rapún, *Inequality and Regional Development within the European Union* (?)  
- Mitsuhiko Kataoka, Takahiro Akita, *Regional Income Inequality in the Post-War Japan*  

Theme G: Urban economy

**Commuting and urban labour markets**

**Time:** Saturday, 30.Aug.2003 11:00-12:30  
**Location:** Ag C231.1  
**Chair:** Jos Van Ommeren  
- Frederic Gilli, *Why is Central Paris loosing jobs?*  
- Fumitoshi Mizutani, Keizo Mizuno, Noriyoshi Nakayama, *Industrial Diversity and Metropolitan Unemployment Rate*  
- Ayse Gedik, *Differential Urbanization in Turkey: 1955-2000*  
- Jos Van Ommeren, Piet Rietveld, *Compensation for commuting in imperfect urban markets*

Theme H: Rural and peripheral regions (incl. MOST-subsession: Local development dynamics and potential in peripheral areas)

**Time:** Saturday, 30.Aug.2003 11:00-12:30  
**Location:** Ag Beeta  
**Chair:** Jørgen Ole Bærenholdt  
- Efthalia Dimara, Alexandra Goudi, Dimitris Skuras, *Business*
Networks and Performance: A Spatial Approach

- Daniel Coq Huelva, Agro-food manufacturing in Mediterranean Spanish regions: Andalusia versus Valencian region
- Silvana Cassar, Institutions and local development in Eastern Sicily during the 20th century

Theme I: Regional labour and housing markets

Time: Saturday, 30.Aug.2003 11:00-12:30
Location: Ag C232.1
Chair: Elli Heikkilä

- Adalgiso Amendola, Floro Ernesto Caroleo, Gianluigi Coppola, Regional differences in the European labour market
- Andrés J. Marchante, Bienvenido Ortega, José Luis Sánchez-Ollero, Educational mismatch and labour mobility in the hospitality industry in Andalusia
- Taru Järvinen, Job search of dual-career families in Finland
- Tatiana Blinova, Victor Rusanovsky, Regional strategies and Unemployment Risks in Russia’s Regional Labor markets (?)
- Peter Huber, Quantity Adjustments in Candidate Countries Regional Labour Markets

Theme L: Environment, tourism, recreation

Time: Saturday, 30.Aug.2003 11:00-12:30
Location: Ag Delta
Chair: Alex Deffner

- Klaus-Dieter Schnell, Anja Umbach-Daniel, Julia Johnsen, Monitoring system for sustainable tourism in Swiss Alpine Regions. Tools for regions to act on their own initiative
- Carmen Padin Fabeiro, Xulio Pardellas De Blas, A Tourist Destination Planning and Design Model: Application to the Area around the Miño River in the South of Galicia and the North of Portugal
- Juan Antonio Campos Soria, Ricardo Pagan Rodríguez, Internal and external effects of quality on competitiveness: Applications for the hotel sector in Spain
- Alex Deffner, Theodoros Metaxas, The Interrelationship of Urban Economic and Cultural Development: the Case of Greek Museums

Theme O: Entrepreneurship

Entrepreneurship II

Time: Saturday, 30.Aug.2003 11:00-12:30
Location: MaD 259
Chair: Teemu Kautonen

- Chryssanthi Balomenou, The contribution of the European Investment Fund Small Medium Sized Enterprises Guarantee Facility and of the Greek new Institution of SMEs Credit Guarantee Fund to the local Entrepreneurship and generally to the endogenous regional growth
- Christian Kruse, When form follows function - Financial centres as starting points for researching the interrelationship of financial
intermediaries and the management of firms

- Lambert T. Koch, Teemu Kautonen, Marc Gruenhagen, *Development of New Venture Support Networks and the Role of "Promoters"

**Theme P: Land use, natural assets and sustainability**

*Natural assets*

**Time:** Saturday, 30.Aug.2003 11:00-12:30  
**Location:** MaA 210  
**Chair:** Markku Tykkyläinen

- Carlos Bacha, *The Evolution of Reforestation in Brazil*
- Takuya Urakami, Noriyoshi Nakayama, *Comparisons of efficiencies between two types of DMUs: an application to Japanese public water companies*
- Eveline van Leeuwen, Ron Vreeker, Frank Bruinsma, *A Comparative study of Integrated River Basin Projects in Europe*
- Markku Tykkyläinen, *Geographical Dimensions of Russian Energy Developments*

**Theme V: Economic and regional transition in the Baltic Rim**

**Time:** Saturday, 30.Aug.2003 11:00-12:30  
**Location:** Ag Gamma  
**Chair:** Tiiu Paas

- Viktor Trasberg, *Land and property taxation in the Baltic States*
- Mihkel Laan, *Industrial restructuring in transitional Baltic Sea Region countries (Baltic States, Kaliningrad oblast)*
- Tiiu Paas, *Social Consequences of Transition and European Integration Processes in the Baltic States*

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**Theme B01: Methods and modelling**

*Competition, agglomeration and production*

**Time:** Saturday, 30.Aug.2003 14:00-16:00  
**Location:** Ag Alfa  
**Chair:** Tomas Nilsson

- Thijs ten Raa, Pierre Mohnen, *Competition and Performance: The Different Roles of Capital and Labor*  
  (Discussant: Henri L.F. De Groot)
- Matthias Ross, *The Impact of Optimal Tariffs and Taxes on Agglomeration*  
  (Discussant: Thijs ten Raa)
- Dario Cziraky, Jaksa Puljiz, Joze Rovan, Joze Sambt, Mario Polic, Sanja Malekovic, *Regional development assessment using parametric and non-parametric ranking methods: A comparative analysis of Slovenia and Croatia*  
  (Discussant: Andres Rodríguez-Pose)
• Tomas Nilsson, Paul Preckel, Bo Öhlmer, Hans Andersson, *Revisiting the Role of Common Labeling in a Context of Asymmetric Information: Critique and Extensions* (Discussant: Giovanni Rabino)

**Theme C: Location theory and location of economic activity**

**Time:** Saturday, 30.Aug.2003 14:00-16:00  
**Location:** Ag Beeta  
**Chair:** Iulia Traistaru

- Sonia Deidda, Raffaele Paci, Stefano Usai, *Spatial Externalities and Local Economic Growth*  
  (Discussant: Kevin McNamara)
- Cecile Batisse, Sandra Poncet, *Protectionism and industry localization in Chinese provinces (?)*  
  (Discussant: Kevin McNamara)
- Iulia Traistaru, Christian Volpe Martincus, *Determinants of Manufacturing Concentration Patterns in Mercosur*  
  (Discussant: Kevin McNamara)
- Simonetta Longhi, Peter Nijkamp, Iulia Traistaru, *Determinants of Manufacturing Location in EU Accession Countries*  
  (Discussant: Johannes Bröcker)

**Theme D: Spatial development and planning in Europe**

**Time:** Saturday, 30.Aug.2003 14:00-16:00  
**Location:** Ag Delta  
**Chair:** Thiemo W. Eser

- Sjoerd Beugelsdijk, Ton Van Schaik, *Toward a unified Europe? Explaining cultural differences by economic development, cultural heritage and historical shocks*  
  (Discussant: Roland Scherer)
  (Discussant: Lasse Sigbjørn Stambøl)
- Kurt Geppert, Martin Gornig, Andreas Stephan, *Regional productivity differences in the European Union - Theoretical predictions and empirical evidence*  
  (Discussant: Alexandra Goudi)
- Marius Brühlhart, Rolf Traeger, *An Account of Geographic Concentration Patterns in Europe*  
  (Discussant: Dirk Dohse)

**Theme G: Urban economy**

**Time:** Saturday, 30.Aug.2003 14:00-16:00  
**Location:** MaD 302  
**Chair:** Henrique Albergaria

- Michael W.M. Roos, *Regional price levels in Germany*  
  (Discussant: Leena Kerkelä)
- Leo Van den Berg, Antonio Paolo Russo, *The Student City. Strategic Planning for Student Communities in EU Cities*  
  (Discussant: Frederic Gilli)
• Pertti Haaparanta, Tuuli Juurikkala, *A model of Russian local public finance and social asset divestiture* 
  (Discussant: Olivier Thomas)
• Marie-Estelle Binet, Jean-Sébastien Pentecote, *Tax shape, debt and electoral opportunism at the municipal level: French empirical evidence and a model (?)* 
  (Discussant: Olivier Thomas)

**Theme I: Regional labour and housing markets**

**Time:** Saturday, 30.Aug.2003 14:00-16:00  
**Location:** Ag C231.1  
**Chair:** Jaakko Pehkonen
  - Valerija Botric, *Regional differences in unemployment: the case of Croatia*  
    (Discussant: Jouke Van Dijk)
  - Ronald William McQuaid, Colin Lindsay, *Delivering Job Search Services for Unemployed People in Rural Areas: the Role of ICT*  
    (Discussant: Jouke Van Dijk)
    (Discussant: Ronald William McQuaid)

**Theme J: Migration**

**Time:** Saturday, 30.Aug.2003 14:00-16:00  
**Location:** Ag C232.1  
**Chair:** Brigitte Waldorf
  - Daniela-Luminita Constantin, Cornelia Parlog, Zizi Goschin, *Interregional Migration in Romania during the 1990s*  
    (Discussant: Nong Zhu)
  - Nong Zhu, Sandra Poncet, *Provincial Migration Dynamics in China: Borders, centripetal forces and trade (?)*  
    (Discussant: Daniela-Luminita Constantin)
  - Thomas Liebig, Alfonso Sousa-Poza, *How does income inequality influence international migration?*  
    (Discussant: Brigitte Waldorf)

**Theme K: Transport and communications**

**Time:** Saturday, 30.Aug.2003 14:00-16:00  
**Location:** Ag C233.1  
**Chair:** Roger Vickerman
  - Jan Oosterhaven, J. Paul Elhorst, *Effects of Transport Improvements on Commuting and Residential Choice*  
    (Discussant: Börje Johansson)
  - Erik Teodoor Verhoeft, Jan Rouwendal, *Pricing, Capacity Choice and Financing in Transportation Networks*  
    (Discussant: Börje Johansson)
  - Isabelle Thomas, Ann Verhetsel, Hakim Hammadou, Dries Vanhofstraeten, *Distance decay in activity chains analysis. A Belgian case study*  
    (Discussant: Frank Bruinsma)
• Makoto Okumura, Makoto Tsukai, *Distribution Network Configuration Considering Inventory Cost*  
(Discussant: Frank Bruinsma)

**Theme M: IT and spatial patterns of economic growth**

**Productivity analysis**  
**Time:** Saturday, 30.Aug.2003 14:00-16:00  
**Location:** Ag C234.1  
**Chair:** Paavo Okko

- Petri Böckerman, Mika Maliranta, *The micro-level dynamics of regional productivity growth: The source of divergence in Finland*  
  (Discussant: Philip McCann)
- Thijs ten Raa, Ed Wolff, *The vintage effect in TFP-growth: An analysis of the age structure of capital*  
  (Discussant: Philip McCann)
- Maria Jesus Delgado, Inmaculada Alvarez, *Productive Capital and Technical Efficiency in the UE-15*  
  (Discussant: Raffaele Paci)
- Enrique Lopez-Bazo, Bernard Fingleton, *Explaining the distribution of manufacturing productivity in the EU regions*  
  (Discussant: Raffaele Paci)

**Theme N: Innovations and technology in space**

**Time:** Saturday, 30.Aug.2003 14:00-16:00  
**Location:** MaA 211  
**Chair:** Roberta Capello  
**Discussant:** Charlie Karlsson

- Gerben Panne, van der, Wilfred Dolfsma, *The Geography of Innovativeness - New product announcements in The Netherlands*
- Daniel Coronado, Manuel Acosta, *The effects of regional scientific opportunities in science-technology flows: Evidence from scientific literature cited in firms' patent data*
- Werner Bönte, *Innovation and Employment Growth in Industrial Clusters: Evidence from Aeronautical Firms in Germany*

**Theme T: External and internal borders**

**Time:** Saturday, 30.Aug.2003 14:00-16:00  
**Location:** MaA 210  
**Chair:** Annekatrin Niebuhr

- Peter Huber, *On the Determinants of Cross Border Co-operation of Austrian Firms with Central and Eastern European Partners*  
  (Discussant: Silvia Stiller)
- Henri L.F. De Groot, Gert-Jan Linders, Piet Rietveld, Uma Subramanian, *The Institutional Determinants of Bilateral Trade Patterns*  
  (Discussant: Silvia Stiller)
- Sandra Poncet, *Domestic Market Fragmentation and Economic*
**Theme V: Economic and regional transition in the Baltic Rim**

**Time:** Saturday, 30.Aug.2003 14:00-16:00  
**Location:** MaD 259  
**Chair:** Andreas P. Cornett  
**Discussant:** Pentti Malinen

- Garri Raagmaa, *Centre–periphery model explaining the regional development of the informational and transitional society*  
- Andreas P. Cornett, *Economic and Political Perspectives on Integration in the Baltic Sea Region*

**Theme W: Learning and regional development**

**Time:** Saturday, 30.Aug.2003 14:00-16:00  
**Location:** Ag Gamma  
**Chair:** Riccardo Cappellin  
**Discussant:** Markku Sotarauta

- Paul Cheshire, Stephen Sheppard, *Capitalising the Value of Free Schools: The Impact of Supply Constraints and Uncertainty*  
- Patrick Ronde, Caroline Hussler, *The role of competences on patenting activities of learning regions : an empirical study on French data*  
- David Newlands, *The Role of Universities in Learning Regions*

**Theme Z: Input-Output**

**Time:** Saturday, 30.Aug.2003 14:00-16:00  
**Location:** MaC 102  
**Chair:** Tuomo Nenonen

- Joaquim J.M. Guilhoto, Umberto Antonio Sesso Filho, *An Overview of the Productive Structure of the Amazon Region: Using the Eyes of an Interregional Input-Output System*  
  (Discussant: Ilkka Susiluoto)  
- Ana Lúcia Marto Sargento, Pedro Miguel Nogueira Ramos, *Estimating trade flows between Portuguese regions using an Input-output approach*  
  (Discussant: Ilkka Susiluoto)  
  (Discussant: Bjarne Madsen)

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Parallel sessions

**Theme A: Re-evaluation of the theoretical toolbox of regional science by M. Sonis**

*CGE analysis and assessment of theories in regional science, incl. panel discussion on ‘Past and future of theoretical regional science’*

**Time:** Saturday, 30.Aug.2003 16:30-18:30  
**Location:** Ag aud.2  
**Chair:** Roberto Camagni

- Roberta Capello, Peter Nijkamp, *The theoretical and methodological toolbox of urban economics: from and towards where?*
- *Open Panel Discussion: Past and the Future of Theoretical Regional Science* (Convenor: M. Sonis)


**Theme B01: Methods and modelling**

**Time:** Saturday, 30.Aug.2003 16:30-18:30  
**Location:** Ag C234.1  
**Chair:** Alessandra Faggian

- Fernando Barreiro-Pereira, *Spatial Effects on the Aggregate Demand*
- Juan Ignacio Dalmau-Porta, José Luis Hervás- Oliver, Maria del Val Segarra-Oña, *A Conceptual Framework for the Industrial District Analysis: from Knowledge to Resources*
- Vesa Harmaakorpi, Satu Pekkarinen, *The Concept of the Regional Development Platform and Regional Development Platform Method (RDPM) as a Tool for Regional Development*
- Franz Kronthaler, *A Study of the Competitiveness of Regions based on a Cluster Analysis: The Example of East Germany*
- Alessandra Faggian, Bianca Biagi, *Measuring Regional Multipliers: A Comparison between Two Different Methodologies for the Case Of The Italian Regions*

**Theme D: Spatial development and planning in Europe**

**Time:** Saturday, 30.Aug.2003 16:30-18:30  
**Location:** Ag Delta  
**Chair:** Andres Rodríguez-Pose

- Trifon Kostopoulos, *The European Monetary Union and the Regional Inequalities (?)*
- Roberto Basile, Luca De Benedictis, Sergio de Nardis, Marianna Mantuano, *Multiple Regimes in Cross-Region Growth Regressions with Spatial Dependence: A Parametric and a Semi-parametric Approach*
- Ferhan Gezici, Geoffrey Hewings, *Spatial Analysis of Regional Inequalities in Turkey*
• Mete Basar Baypinar, Centre – Periphery Relations Through the Trans-European Motorway in Turkey
• George Petrakos, Andres Rodríguez-Pose, Antonis Rovolis, Growth, Integration and Regional Inequality in Europe

Theme E: Enlargement and beyond

Time: Saturday, 30.Aug.2003 16:30-18:30
Location: Ag C231.1
Chair: Zlatan Fröhlich
• Gülden Erkut, Ceren Özgen, The Economic and Spatial Peripherality of Border Regions in Southeastern Europe
• Izet Ibreljic, Salih Kulenovic, Strategic development objectives of the western Balkan in the context of its faster integration into European Union
• Milan Bucek, Renata Paulickova, Use of Marketing Instruments in Development of towns and regions: Case Study Slovakia
• Marinella Terrasi, In search of a meaningful set of macroregions for the "New Europe"
• Zlatan Fröhlich, Corporate Readiness for Enlargement in Central Europe

Theme F: Regional strategies and policies, evaluation

Time: Saturday, 30.Aug.2003 16:30-18:30
Location: Ag C232.1
Chair: Edgar Morgenroth
• Santiago Rodriguez Feijoo, Alejandro Rodriguez Caro, Carlos Gonzalez Correa, A measurement to analyze the relative change in the Absolute Parity of Power Purchase: An application to the European Union
• Moises Marcos, A Glance of the Free Trade Agreement between Mexico and the European Union
• Chang Woon Nam, Doina Maria Radulescu, Types of Tax Concessions for Promoting Investment in Free Economic and Trade Areas
• Natalia Aldaz, Joaquín A. Millán, A Comparison of Agricultural Productivity in the European Union Regions
• John Bradley, Edgar Morgenroth, Gerhard Untiedt, Macro-regional evaluation of the Structural Funds using the HERMIN modelling framework

Theme G: Urban economy

Urban development

Time: Saturday, 30.Aug.2003 16:30-18:30
Location: Ag Beeta
Chair: Rui Sousa Monteiro
• Helka-Liisa Hentilä, Timo Lindborg, Central Micro-Peripherities: Temporary Uses of Central Residual Spaces as Urban Development Catalysts (?)
• Luca Ruggiero, Urban governance and sustainable development in
Sicily

- Manie Geyer, *Policy issues in the urban South*
- Mustafa Oguz Sinemillioglu, *Urban Competition in a regional development Project with a sustainable perspective*
- Rui Nuno Baleiras, Rui Sousa Monteiro, Ana Balcao Reis, *Tax dividend evaluation of major urban renewal projects*

**Theme K: Transport and communications**

*R-session*

**Time:** Saturday, 30.Aug.2003 16:30-18:30  
**Location:** Ag Alfa  
**Chair:** Bert Van Wee

- Shinichi Muto, Hisa Morisugi, Taka Ueda, *Measuring Market Damage of Automobile Related Carbon Tax by Dynamic Computable General Equilibrium model*  
  (Discussant: Lauri Frank)
- Lauri Frank, *Inequality Measures Applied to the Diffusion of Mobile Communications within the European Union*  
  (Discussant: Mark Koetse)
- Bert Van Wee, *Innovations in Transportation: research and policy lessons of recent successful cases*  
  (Discussant: Dany Shefer)
- Taede Tillema, Bert Van Wee, Tom De Jong, *Road pricing from a geographical perspective: a literature review and implications for research into accessibility*  
  (Discussant: Dany Shefer)

**Theme L: Environment, tourism, recreation**

**Tourism III**

**Time:** Saturday, 30.Aug.2003 16:30-18:30  
**Location:** MaA 210  
**Chair:** Ronald William McQuaid

- Rüdiger Wink, *Regional supply of Eco-tourism and collective learning: An institutional perspective*
- Francesco Pigliaru, Alessandro Lanza, *How fast are the tourism countries growing? The international evidence, 1980-95*
- Michaela Gindl, Florian Wukovitsch, *Partnerships Contributing to Sustainable Urban Tourism*
- Ronald William McQuaid, Malcolm S Greig, *The Economic Impact of a Sporting Event: A Regional Approach*

**Theme M: IT and spatial patterns of economic growth**

*R-session: IT and New Economy*

**Time:** Saturday, 30.Aug.2003 16:30-18:30  
**Location:** Ag Gamma  
**Chair:** Philip McCann

- André van der Meer, Willem van Winden, Paulus Woets, *ICT cluster developments in European cities during the 1990’s:
development patterns and policy lessons (Discussant: Sven-Christian Steude)

- Willem van Winden, Paulus Woets, Urban Broadband Internet Policies in Europe: A Critical Review (Discussant: Sven-Christian Steude)
- Dirk Dohse, Sven-Christian Steude, Concentration, Coagglomeration and Spillovers: The Geography of New Market Firms in Germany (Discussant: Malcolm S Greig)
- Charlie Karlsson, Spatial ICT Clusters in Sweden – An Empirical Method to Identify a Necessary Condition for Existence (Discussant: Malcolm S Greig)

Theme N: Innovations and technology in space

Innovation II

**Time**: Saturday, 30.Aug.2003 16:30-18:30

**Location**: Ag C233.1

**Chair**: Thorsten Bohn

- Domenico Campisi, Maria Assunta Barchiesi, Carlo Tesauro, Does Knowledge Trade Create Growth Everywhere? Questions and Reply from a Cross-Country Comparison
- Wilson Suzigan, Joao Furtado, Renato Garcia, Sergio Sampaio, Local production and innovation systems in the state of São Paulo, Brazil
- Alexandra Goudi, Dimitris Skuras, Kyriaki Tsegenidi, Innovation and Business Performance in Rural and Peripheral Areas of Greece
- Marisa Ferreira, Portugal & Internet
- Thorsten Bohn, Knowledge Intensive Business Services in Regional Systems of Innovation - Initial Results from the Case of Southeast-Finland

Theme PR6: Presentation session VI

**Time**: Saturday, 30.Aug.2003 16:30-18:30

**Location**: MaA 211

**Chair**: Bjarne Madsen

- Mohammad Sharif Karimi, Non oil export supply model in Iran (carpet, pistachio)
- Ioulia Zaitseva, Some aspects of socio-economic forecasting for municipalities
- Lawrence Brown, Su-Yeul Chung, Spatial Segregation, Segregation Indices, and the Geographic Perspective
- Dirk Stelder, Agglomerations and regions: do we need integrated or hybrid models?
- Hilik Goldstein, Michael Sonis, Spouse Complaints to the Police as a Measure of Reliability of the Authorities: Regional Comparison
- George Petrakos, Eleftherios Topaloglou, Policy and market dynamics of cross-border co-operation in the Northern Greek borders
- Maria Abreu, Raymond Florax, Henri L.F. De Groot, A meta-analysis of the speed of convergence in growth regressions
• Chris Jensen-Butler, Bjarne Madsen, The Development and Application of LINE – A Sub-Regional Economic Model for Denmark

Theme PR7: Presentation session VII

Time: Saturday, 30.Aug.2003 16:30-18:30
Location: MaD 259
Chair: Luigi Scrofani

• Willem Heijman, Huub Hubregtse, Regional economic impact of agritourism: method and application to the Netherlands
• Craig Landry, Henk Folmer, John List, The Interface between Regional and Environmental Economics
• Ing-Marie Gren, Henk Folmer, Cooperation with Respect to Cleaning of an International Water Body with Stochastic Environmental Damage: the Case of the Baltic Sea
• Pius Odunga, Henk Folmer, Profiling Tourists for Balanced Utilization of Tourism-Based Resources in Kenya
• Kieran P. Donaghy, Geoffrey Hewings, Suahasil Nazara, Maria Plotnikova, An Environmental Economic Impact Analysis of Tourism and Recreation in Redevelopment of the Calumet River Basin
• Katsuhiro Sakurai, Takeshi Mizunoya, Riki Morioka, Yoshiro Higano, Estimation of Residents’ Desired Water Quality and Economic Evaluation for Improvement of Water Quality of Lake Kasumigaura
• Takeshi Mizunoya, Katsuhiro Sakurai, Riki Morioka, Yoshiro Higano, A Study on Dynamic Optimal Water Purification Policies Related to the Introduction of New Technologies: A Case of Lake Kasumigaura
• Tomaz Dentinho, João Marques, João Porteiro, Emiliana Silva, Helena Calado, José Ferreira, Integrated water management in the Seven Cities Basin
• Vittorio Ruggiero, Luigi Scrofani, The environmental policies and the urban re-qualification in Sicily

Theme PR8: Presentation session VIII

Time: Saturday, 30.Aug.2003 16:30-18:30
Location: MaC 102
Chair: James Giesecke

• Dan Kaufmann, Dafna Schwartz, Amnon Frenkel, Dany Shefer, Regional Networking and the Development of New Biotechnology Companies
• Rosina Moreno, Raffaele Paci, Stefano Usai, Spatial distribution of innovation in the European regions
• Guang Yang, Roger Stough, Spatial analysis of the high tech cluster in Greater Washington
• Rosina Moreno, Javier Revilla, Jordi Surinach, The innovation system of Barcelona: The role of proximity and SMEs
• Seija Virkkala, Esa Storhammar, The networks and local milieu in innovation processes of SMEs in Finland
• Thomas Paulsson, Börje Johansson, Spatial Dynamics of ICT-Industries – Is Size All That Matters? - Some Swedish Lessons from
ICT-Growth

- Patrick Dümmler, Knowledge Intensive Activities - Examining Clusters in Switzerland
- James Giesecke, The Regional Impacts of the Growth of "New Economy" Industries - The Case of Australian Telecommunications

20:00 - Congress dinner / Paviljonki