

**XIIth World Conference of the
Spatial Econometrics Association (SEA)**

Vienna, June 11-12, 2018



Organized by

**Webster Vienna Private University
Business & Management Department**

Webster
UNIVERSITY

Vienna
Private University

Welcome and Highlights

It is with great pleasure that we welcome you to Vienna for the 12th World Conference of the Spatial Econometrics Association, the SEA2018! The objective of the SEA2018 is to bring *you* – econometricians, statisticians, economists, regional scientists and geographers – together to present and discuss your recent achievements in spatial econometric theories and applications, including your research on externalities, spillovers, interactions, peer effects, and network effects.

We are excited that this year's conference will feature the following highlights:

- **Keynote speakers**, in alphabetical order: [Prof. Dr. Bernard Fingleton](#) (University of Cambridge) and [Prof. Dr. James P. LeSage](#) (Texas State University).
- **Invited Speakers**, in alphabetical order: [Prof. Dr. Roger Bivand](#) (NHH Norwegian School of Economics), [Prof. Dr. Daniel Griffith](#) (University of Texas at Dallas), [Prof. Dr. Ingmar Prucha](#) (University of Maryland).
- **The Jean Paelinck Prize for Young Researchers** sponsored by the Spatial Econometrics Association and WVPU.
- **Publishing opportunity** in a Special Issue of the [Journal of Geographical Systems](#)

The SEA2018 has been generously sponsored by Webster Vienna Private University; its campus, the beautiful Palais Wenkheim, will serve as the home for SEA2018.

We hope that the two-day conference will be fruitful for you, and that beyond our academic program you will also have a chance to dip your toes into Viennese art, history, architecture, and cuisine during your stay in Austria.

The Local Organizing Committee of SEA2018

The XII World Conference of the Spatial Econometrics Association

[Assoc. Prof. Dr. Nikolaos Antonakakis](#) (**Chair**) (Webster Vienna Private University, WVPU)

[Prof. Dr. Giuseppe Arbia](#) (President of SEA, Università Cattolica del Sacro Cuore)

[Assoc. Prof. Dr. Ioannis Chatziantoniou](#) (Webster Vienna Private University, WVPU)

[Prof. Dr. Manfred Fischer](#) (Vienna University of Economics and Business, WU)

Conference Administration & Support

Adam Louis Troidahl, MA

Riley Reedy

Business & Management Department

Webster Vienna Private University

Palais Wenkheim

Praterstraße 23

1020 Vienna

Austria

sea2018@webster.ac.at

<http://webster.ac.at/event/seaconference>

Committees

Scientific Committee:

Assoc. Prof. Dr. Nikolaos Antonakakis (**Chair**) (Webster Vienna Private University)
Prof. Dr. Giuseppe Arbia (President of SEA, Università Cattolica del Sacro Cuore)
Prof. Dr. Anil Bera (University of Illinois)
Prof. Dr. Roger Bivand (NHH Norwegian School of Economics)
Prof. Dr. Paul Elhorst (University of Groningen)
Prof. Dr. Bernard Fingleton (University of Cambridge)
Prof. Dr. Manfred Fischer (Vienna University of Economics and Business)
Prof. Dr. Daniel Griffith (University of Texas at Dallas)
Prof. Dr. Harry Kelejian (University of Maryland)
Prof. Dr. Julie Le Gallo (Agrosup Dijon)
Prof. Dr. Jesus Mur (University of Zaragoza)
Prof. Dr. James P. LeSage (Texas State University)
Assoc. Prof. Dr. Olivier Parent (University of Cincinnati)
Assoc. Prof. Dr. Gianfranco Piras (The Catholic University of America)
Prof. Dr. Ingmar Prucha (University of Maryland)
Assoc. Prof. Dr. Ioannis Chatziantoniou (Webster Vienna Private University)
David Gabauer, MSc (Webster Vienna Private University)

Organizing Committee

Assoc. Prof. Dr. Nikolaos Antonakakis (**Chair**) (Webster Vienna Private University, WVPU)
Prof. Dr. Giuseppe Arbia (President of SEA, Università Cattolica del Sacro Cuore)
Prof. Dr. Manfred Fischer (Vienna University of Economics and Business, WU)

Jury for the Jean Paelinck Prize for Young Researchers

The Spatial Econometrics Association sponsors a young researcher paper competition with a first prize of 300 Euros.

The jury for the prize consists of the members of the SEA Board of Directors who are present at the conference and the local organizer. The jury chair, Giuseppe Arbia, will announce the prize winners and present the awards during the conference dinner on June 11th.

The jury comprises:

Giuseppe Arbia (Chair), Catholic Univ. of the Sacred Heart, Rome, Italy
Ioannis Chatziantoniou (Webster Vienna Private University)
Manfred Fischer, Vienna University of Economic and Business, Austria

Conference Venue

Webster Vienna Private University's campus at Palais Wenkheim is located in the heart of Vienna, Austria. For more information visit [WVPU](https://www.wvpu.ac.at), **Palais Wenkheim, Praterstraße 23, 1020 Vienna**

- **Keynote Speeches:** Rooms 4.06/4.07 (4th floor)
- **Parallel Sessions and Coffee Breaks:** Seminar Rooms 3.01, 2.14, and 3.16
- **Lunches, Conference Dinner, and Farewell:** Atrium (Main Floor)



Information

Registration/Information Desk

A registration/information desk will be set up in the atrium as you enter Palais Wenkheim. Registration will be possible during the following times:

8:00-18:00 Monday, June 11th

8:00-17:00 Tuesday, June 12th

Internet (WLAN) & Computer Access

Wireless internet and PC access will be available for the conference participants. To access:

Network: Webster	The password for the internet network is Webster2018 . You may have to re-enter the password if you change floors in the building.
Computer Login Information	The username and password for the PCs located in Seminar Rooms 3.01, 2.14, 3.16, & 4.06/4.07 are as follows: Username: event.participant.1 Password: Vienna2018 (case sensitive)

Coffee Breaks/Lunch Breaks

Coffee breaks will happen within the seminar rooms before and/or after parallel sessions. Coffee will also be available in Rooms 4.06/4.07 during these breaks.

Lunch breaks will happen in the Atrium on the main floor of Palais Wenkheim.

Conference Dinner

The conference dinner will be held in the Atrium of Palais Wenkheim on Monday, June 11th at 7 pm and feature traditional Austrian dishes. Both meat and vegetarian options will be available. You can expect the dinner to last for about two hours. The Jean Paelinck prize will be awarded during the dinner.

Transportation in Vienna

Public transportation in Vienna is affordable, convenient, and efficient.

The subway, trams, and buses are run by the [Wiener Linien](#). The S-Bahn, or regional trains, are run by the [Austrian Federal Railways \(ÖBB\)](#).

Ticket options: [24 hour](#), [48 hour](#), and [72 hour tickets](#) are available from every Wiener Linien self-service ticket machine. Tickets are valid on all forms of public transportation within city limits.

The Wiener Linien's application "[WienMobil](#)" is free to download and can help you navigate the city. The ÖBB's route finder application "[SCOTTY mobil](#)" can be used to navigate the regional and long-distance train networks.

Getting to and From the Airport (VIE)

To reach the airport by public transportation, please note that you will leave city limits. You can use either the regional train (S-Bahn) or the [Railjet](#), the latter of which is non-stop and departs from Wien Hauptbahnhof (Vienna's Main Station). Both of those options cost Euro 4,10. If you already have a valid public transportation ticket for the city, you only need to purchase a ticket from the city limit to the airport.

The [City Airport Train](#), or CAT, is considerably more expensive (11 Euros), but also non-stop. It only departs from the Landtrasse / Wien Mitte station.

A direct bus connection, operated by [Vienna Airport Lines](#), is also available to the airport. It departs from various locations, the closest of which to WVPU is Schwedenplatz in the 1st district.

Tourist Areas & Attractions in Vienna

WVPU is a stone's throw from the first district of Vienna, where the majority of the city's attractions and sites are located. Those mentioned below are easy to get to and ideal for those of you who may have some additional time in Vienna to enjoy the city.

- **Attraction:** Hofburg + Burggarten
 - The former winter residence of the Habsburg family occupies a large swathe of the southwestern side of the first district, and is home to the Sisi Museum, the [Spanish Riding School](#), the newly opened [Welt Museum](#), the [Albertina](#) museum, the [national library](#), and the [Schatzkammer](#), where the former crown jewels are on display. It also contains the offices of the federal president of Austria, the OSCE, and entertainment and conference space. It was even the location of Webster Vienna's 2018 commencement ceremony!
 - **Location:** The Hofburg takes up a large chunk of the southwest quadrant of the first district. **Directions:** The U3 subway station Herrengasse and the U1 station Karlsplatz are both short walks away from the massive complex.
- **Attraction:** [Belvedere Palace](#)
 - The former home of the extravagant war hero Prince Eugene of Savoy, the Belvedere is situated atop a hill between the third and fourth districts. The Upper Belvedere and Lower Belvedere are now art museums, the former of which is the home of Klimt's famous painting *The Kiss*. The views from the garden of the city and the rolling hills behind it are some of the best in the city.
 - **Location:** Prinz Eugen-Straße 27, 1030 **Directions:** To reach the Upper Belvedere, take the D tram in the direction of Hauptbahnhof and disembark at Belvedere. From there, cross the street to enter the palace grounds.
- **Attraction:** Stephansdom, Stephansplatz + Vicinity (Graben + Kohlmarkt)
 - The very heart of Vienna consists of several pedestrian-only shopping streets which branch outwards from St. Stephen's Cathedral, with *Kärtnerstrasse*, *Graben*, and *Kohlmarkt* being the most well-known. Take those in, but do not forget to wander through some of the smaller alleyways to escape the crowds.
 - **Location:** City center **Directions:** Take the U1 from Webster to Stephansplatz.
- **Attraction:** Naschmarkt
 - The Naschmarkt is the city's permanent farmer's market, featuring fresh produce, Austrian meats and cheeses, dried fruits and nuts, middle-eastern delicacies, as well as all manner of other local culinary temptations. The Naschmarkt is also home to many well-frequented restaurants which are popular with locals and young people.
 - **Location:** Between the 4th and 6th districts **Directions:** Walk south from Karlsplatz or north from the U4 station Kettenbrückengasse.

Eateries and Restaurants near WVPU

WVPU is located off of Nestroyplatz, a charming, tree-lined square lined with several restaurants and cafes, most of which offer outdoor seating.

- **Ramasuri**: Café / Restaurant located next to Webster which an eclectic menu of pan-European dishes and Austrian favorites.
 - **Location**: Praterstraße 19, 1020 **Directions**: Next to Palais Wenkheim.
- **Café Ansari**: Café specializing in Georgian dishes.
 - **Location**: Praterstraße 15, 1020 **Directions**: On Nestroyplatz
- **Mochi**: Japanese restaurant known for outstanding sushi and beloved by Webster students. Their takeaway location, O-M-K, is just across the street from the main restaurant.
 - **Location**: Praterstraße 15, 1020 **Directions**: On Nestroyplatz
- **Stewart**: Takeaway lunch restaurant specializing in curries and hearty Austrian lunch dishes. Very vegetarian friendly. Popular with Webster employees and students.
 - **Location**: Praterstraße 11, 1020 **Directions**: From Palais Wenkheim, proceed along Praterstraße through Nestroyplatz. It is on the right side.
- **Vapiano**: Our closest branch of the well-known German chain of Italian fast-casual restaurants, specializing in pizzas, pastas, and salads.
 - **Location**: Praterstraße 24-26, 1020 **Directions**: Directly opposite Palais Wenkheim
- **Balthasar Coffee Bar**: Outstanding coffee and pastries (the Swedish-style cinnamon knots are particularly good) in a hip bar with indoor and outdoor seating. To-go coffee available.
 - **Location**: Praterstraße 38, 1020 **Directions**: Across and down the street (about two blocks) from Palais Wenkheim.

Keynote Speeches

The SEA2018 is pleased to present **Bernard Fingleton** and **James P. LeSage** as keynote speakers. The time allocation for a keynote speech is one hour (50 minutes for presentation and 10 minutes for general discussion).

Invited Talks

The SEA2018 is also pleased to present **Roger Bivand**, **Daniel Griffith**, and **Ingmar Prucha** as invited speakers. The time allocation for each invited talk is 30 minutes (about 25 minutes for presentation and 5 minutes for general questions).

Parallel Sessions

All presenters in the parallel sessions should arrive in advance and make sure the ppt/pdf file for his/her presentation and discussion is installed / on a USB. Each presenter is allocated 30 minutes, with 20 minutes for presentation, 5 minutes for discussion and 5 minutes for general discussion. Please respect the time limit for presenting and for discussion. **The chairs are advised to enforce the time constraints.**

Session chairs have been assigned in the program. The chair has to ensure that a laptop is functioning properly and that time constraints are met. He or she should welcome and introduce the participants and moderate the open discussion. If the session's chair is absent, the last presenter listed should take the role of the chair.

Every presenter is discussant of the previous paper as indicated in the program. Accordingly, the second speaker is discussant of the first paper; the third speaker is discussant of the second paper, and so forth. The first speaker is discussant of the last paper.

SUMMARY OF PROGRAM

Day 1: Monday, June 11th	Day 2: Tuesday, June 12th
Registration in Atrium 8:00 – 18:00	Registration in Atrium 8:00 – 17:00
Welcome & Opening Remarks 8:45 – 9:00	Welcome & Remarks 8:30 – 9:00
Keynote 1: J. P. LeSage 9:00 – 10:00	Keynote 2: B. Fingleton 9:00 – 10:00
Coffee Break 10:00 – 10:15	Coffee Break 10:00 – 10:15
Session 1 10:15 – 12:15	Session 4 10:15 – 12:15
Lunch + Poster Session 1 12:15 – 13:15	Lunch + Poster Session 2 12:15 – 13:15
Session 2 13:15 – 15:15	Session 5 13:15 – 15:15
Coffee Break 15:00 – 15:30	Coffee Break 15:00 – 15:30
Invited 1: I. Prucha 15:30 – 16:00	Invited 2: D. Griffith 15:30 – 16:00
Session 3 16:00 – 18:00	Session 6 16:00 – 18:00
Round Table Spatial Econometrics Meets Data Science: G. Piras 18:00 – 19:00	Farewell 18:00 – 19:00
Conference Dinner + Prize Awarded 19:00 – 21:00	

SEA 2018 – DETAILED SCIENTIFIC PROGRAM

Monday 11 June

<p>8:00-18:00</p>	<p>Registration, Atrium, main floor The registration desk will be open all day, starting from half an hour before the program commences to the end of the last session. Feel free to approach the local organizers with all your questions and queries.</p>
<p>8:45-9:00</p>	<p>Opening, Seminar Room 4.06/4.07 Welcome: Ioannis Chatziantoniou, Chair of Local Organizing Committee Welcome: Giuseppe Arbia, Chairman of the Spatial Econometric Association</p>
<p>9:00-10:00</p>	<p><u>Keynote Speech I, Seminar Room 4.06/4.07</u> Chair: Manfred Fischer, Vienna University of Economics and Business, Austria James P. LeSage, Texas State University, USA <i>Fast MCMC estimation of multiple W-matrix spatial regression models and MH-MC log marginal likelihoods</i></p>
<p>10:00-10:15</p>	<p>Coffee Break, Available in all Seminar Rooms & 4.06/4.07</p>
<p>10:15-12:15</p>	<p>Parallel Sessions 1 <u>Session 1.1: Estimating and Testing Spatial Models 1, Seminar Room 2.14</u> Chair: Michaela Kesina, ETH Zurich, Switzerland Giuseppe Arbia, Catholic University, Italy <i>A bias-reduction procedure for the estimation of spatial econometric models with incompletely geocoded data</i> (with Maria Michela Dickson, Giuseppe Espa, Diego Giuliani and Flavio Santi) Discussant: Katarzyna Kopczewska Katarzyna Kopczewska, University of Warsaw, Poland <i>Spatial bootstrapped microeconometrics: forecasting for out-of-sample geolocations</i> Discussant: Michaela Kesina Michaela Kesina, ETH Zurich, Switzerland <i>Estimation of spatial models with an endogenous network structure - a transformation approach</i> Discussant: Giuseppe Arbia Anna Gloria Billé, Free University of Bozen-Bolzano, Italy <i>Quasi-ML estimation, marginal effects and asymptotics for spatial autoregressive nonlinear models</i> (with Samantha Leorato, University of Rome Tor Vergata, Italy) <u>Session 1.2 Spatial Econometrics, Seminar Room 3.01</u></p>

	<p>Chair: Luís Silveira Santos, ISEG - Lisbon School of Economics & Management</p> <p>Anja Kukuvec, Vienna University of Economics and Business, Austria <i>Higher-order spatial models: Motivation, specification, interpretation</i> (with Harald Badinger, WU Vienna, Austria, and Peter Egger, ETH Zurich, Switzerland) Discussant: Yulong Wang</p> <p>Yulong Wang, Syracuse University, USA <i>Spatial threshold model and two-dimensional sample splitting</i> (with Yoonseok Lee, Syracuse University, USA) Discussant: Luís Silveira Santos</p> <p>Luís Silveira Santos, ISEG - Lisbon School of Economics & Management <i>Spatial lag model for fractional response variables with additive errors: estimation, inference and partial effects</i> (with Hugh Gravelle, University of York, UK, and Nigel rice, University of York, UK) Discussant: Anja Kukuvec</p> <p><u>Session 1.3 Spatial Health Econometrics, Seminar Room 3.16</u></p> <p>Chair: Francesco Moscone, Brunel University London, UK</p> <p>Rita Santos, University of York, UK <i>Peer effects in quality among English GP practices</i> (with Hugh Gravelle, University of York, UK, and Nigel Rice, University of York, UK) Discussant: Jaya I Gede Nyoman Mindra</p> <p>Jaya I Gede Nyoman Mindra, Padjadjaran University, Indonesia <i>A Bayesian spatiotemporal model and kriging for forecasting relative risk of the infectious diseases</i> (with Henk Folmer, Groningen University, Netherlands, and Farah Kristiani, Parahyangan Catholic University, Indonesia) Discussant: Florencia Timothy</p> <p>Florencia Timothy, Padjadjaran University, Indonesia <i>Comparison between full Bayesian CAR model and Poisson Kriging in estimating the relative risk</i> (with I Gede Nyoman Mindra Jaya, Padjadjaran University, Indonesia) Discussant: Francesco Moscone</p> <p>Francesco Moscone, Brunel University London, UK <i>The spatial dimension of health systems</i> (with Elisa Tosetti, Brunel University, Brunel University London, UK and Rita Santos, University of York, UK) Discussant: Rita Santos</p>
<p>12:15-13:15</p>	<p>Lunch, Atrium, main floor <u>Poster Session I, Meeting Room 0.16</u></p> <p>Skyler Simnitt, University of Florida, USA <i>The growth and adoption of the H-2A Temporary Agricultural Workers Program in the United States</i> (with Gulcan Onel, University of Florida, United States, and Derek Farnsworth, University of Florida, United States)</p>

	<p>Dmitry Pavlyuk, Transport and Telecommunication Institute, Latvia <i>Temporal aggregation effects in spatiotemporal traffic modelling</i></p> <p>Andrey Kirillov, Higher School of Economics, Russia <i>Modeling inflation In Russia taking into account spatial relations</i></p>
<p>13:15-15:15</p>	<p>Parallel Sessions 2 <u>Session 2.1: Spatial Panel, Seminar Room 3.01</u></p> <p>Chair: Sophia Ding, ETH Zurich, Switzerland</p> <p>Amjad Naveed, Aarhus University, Denmark <i>Globalization and women empowerment: An analysis of spatial dependence</i> (with Nisar Ahmad, Sultan Qaboos University, Oman) Discussant: Sophia Ding</p> <p>Sophia Ding, ETH Zurich, Switzerland <i>A panel data approach for spatial and network selection models</i> (with Peter Egger, ETH Zurich, Switzerland) Discussant: Amjad Naveed</p> <p><u>Session 2.2 Spatial Approach Applications, Seminar Room 2.14</u></p> <p>Chair: Leopold Sögner, NYU Abu Dhabi, UAE and IHS Vienna, Austria</p> <p>Abhimanyu Gupta, University of Essex, UK <i>Consistent specification testing under network dependence</i> (with Xi Qu, Shanghai Jiaotong University, China) Discussant: Daisuke Murakami</p> <p>Daisuke Murakami, Institute of Statistical Mathematics, Tokyo <i>Low rank spatial econometric models</i> (with Daniel A. Griffith, University of Texas, US, Hajime Seya, Kobe University, Japan, and Takahiro Yoshida, University of Tsukuba, Japan) Discussant: Oguzhan Dincer</p> <p>Oguzhan Dincer, Illinois State University, USA <i>Wind blowing through the land of Lincoln: How Chicago corrupts Illinois</i> Discussant: Leopold Sögner</p> <p>Leopold Sögner, NYU Abu Dhabi, UAE and IHS Vienna, Austria <i>Fully modified OLS estimation of spatially correlated cointegrated relationships</i> (with Martin Wagner, TU Dortmund, Germany) Discussant: Abhimanyu Gupta</p> <p><u>Session 2.3 Urban Infrastructure and Housing, Seminar Room 3.16</u></p> <p>Chair: Sean Holly, University of Cambridge, UK</p> <p>Beulah Chelva, University of Leeds, UK</p>

	<p><i>Spatial dependence and common factors in the English housing market: A spatio-temporal autoregressive model with factors</i> (with Yongcheol Shiny, University of York, UK) Discussant: Xindi Mou</p> <p>Xindi Mou, University of Chinese Academy of Sciences, China <i>Regional differences in the impact of population aging on urban housing demand: The case of China</i> (with Jichang Dong, Linlin Zhu, and Xiuting Li, University of Chinese Academy of Sciences, China) Discussant: Takaki Sato</p> <p>Takaki Sato, Tohoku University, Japan <i>Spatial GARCH models and their applications to land price data in Tokyo</i> (with Yasumasa Matsuda, Tohoku University, Japan) Discussant: Sean Holly</p> <p>Sean Holly, University of Cambridge, UK <i>The effects of size and distance on the propagation of shocks in a directed network: An application to US house prices</i> (with Natalia Bailey, Monash University, Australia) Discussant: Beulah Chelva</p>
15:15-15:30	Coffee Break , Available in all Seminar Rooms & 4.06/4.07
15:30-16:00	<p>Invited Talks 1, <u>Seminar Room 4.06/4.07</u> Chair: Ioannis Chatziantoniou, Webster Vienna Private University, Austria</p> <p>Ingmar Prucha, University of Maryland, USA <i>Simultaneous Equations Models with Higher-Order Spatial or Social Network Interactions</i> (with Peter Egger, ETH Zurich, Switzerland, and David Drukker, StataCorp)</p>
16:00-18:00	<p>Parallel Sessions 3 <u>Session 3.1 Applied Economics: Monetary Policy & Financial Stability,</u> <u>Seminar Room 3.01</u></p> <p>Chair: Cengiz Arikian, TR Ministry of Customs and Trade and Gazi University, Turkey</p> <p>Madina Karamysheva, NRU Higher School of Economics, Russia <i>Macprudential policies: Transmission channels and impact on systemic risk</i> (with Ekaterina Seregina, Bocconi University, Italy) Discussant: Zornitsa Todorova</p> <p>Zornitsa Todorova, Bocconi University, Italy <i>Network effects of monetary policy: Evidence from global value chains</i> Discussant: Michael Pfarrhofer</p> <p>Michael Pfarrhofer, Vienna University of Economics and Business, Austria</p>

The dynamic impact of monetary policy on regional housing prices in the US: Evidence based on factor-augmented vector autoregressions (with Manfred M. Fischer, Florian Huber, and Petra Stauer-Steinnocher, Vienna University of Economics and Business, Austria)

Discussant: Cengiz Arikan

Cengiz Arikan, TR Ministry of Customs and Trade and Gazi University, Turkey
Spatial analysis of monetary policy (with Yeliz Yalcin, Gazi University, Turkey)

Discussant: Madina Karamysheva

Session 3.2 Population and Demographics, Seminar Room 2.14

Chair: Andrea Chegut, Massachusetts Institute of Technology, USA

Rim Er-Rbib, University of Tsukuba, Japan

Application of exploratory spatial analysis to the population concentrations in France based on immigration status and other characteristics (with Morito Tsutsumi, University of Tsukuba, Japan)

Discussant: Chiara Ghiringhelli

Chiara Ghiringhelli, Università della Svizzera Italiana, Italy

The importance of local spatial dependence in shaping population distribution across space (with Ilenia Epifani, Politecnico di Milano, Italy, and Rosella Nicolini, Universitat Autònoma de Barcelona, Spain)

Discussant: Andrea Chegut

Andrea Chegut, Massachusetts Institute of Technology, USA

The incremental value of urban innovation ecosystems: A spatial-temporal autoregressive approach to valuing co-working space (with Dennis Frenchman, and David Geltner, Massachusetts Institute of Technology, USA)

Discussant: Rim Er-Rbib

Session 3.3 Jean Paelinck Session, Seminar Room 3.16

Chair: Kateryna Zabarina, University of Warsaw, Poland

Achim Ahrens, The Economic and Social Research Institute, Ireland

A regional perspective on industrial production in Ireland: A spatial stochastic frontier approach (with Edgar Morgenroth, Dublin City University, Ireland)

Discussant: Johannes Jasny

Johannes Jasny, University of Hohenheim, Germany

Refugees welcome, but not in my Backyard? The political impact of local refugee presence and income disparity in Germany (with Tilman Becker, University of Hohenheim, Germany)

Discussant: Sisi Meng

Sisi Meng, University of Colorado Denver, USA

Spatial heterogeneity and household preferences for sea level rise adaptation plan in Florida (with Pallab Mozumder, Florida International University, USA)

	<p>Discussant: Kateryna Zabarina</p> <p>Kateryna Zabarina, University of Warsaw, Poland <i>Tessellation as an alternative aggregation method</i></p> <p>Discussant: Achim Ahrens</p>
18:00-19:00	<p>Round Table on Spatial Econometrics Meets Data Science, <i>Seminar Room 4.06/4.07</i></p> <p>Chair: Gianfranco Piras, Catholic University of America, USA</p> <p>Participants: Giuseppe Arbia, Universita' Cattolica del Sacro Cuore, Italy Roger Bivand, Norwegian School of Economics, Norway Jan Chvosta, SAS Institute Inc. Daniel Griffith, University of Texas at Dallas, USA James LeSage, Texas State University, USA</p>
19:00-21:00	<p>Conference Dinner + Prize Awarded, <i>Atrium, main floor</i></p>

Tuesday 12 June

8:00-17:00	<p>Registration, <i>Atrium, main floor</i> The registration desk will be open all day, starting from half an hour before the program commences to the end of the last session. Feel free to approach the local organizers with all your questions and queries.</p>
8:30-9:00	<p>Opening, <i>Seminar Room 4.06/4.07</i></p> <p>Welcome: Manfred Fischer, Vienna University of Economics and Business, Austria</p> <p>Welcome: Giuseppe Arbia, Chairman of the Spatial Econometric Association</p>
9:00-10:00	<p>Keynote Speech II, <i>Seminar Room 4.06/4.07</i></p> <p>Chair: Giuseppe Arbia, Chairman of the Spatial Econometric Association</p> <p>Bernard Fingleton, University of Cambridge, UK <i>Exploring Brexit with dynamic spatial panel models: Some possible outcomes for employment across the EU regions</i></p>
10:00-10:15	<p>Coffee Break, <i>Available in all Seminar Rooms & 4.06/4.07</i></p>
10:15-12:15	<p>Parallel Sessions 4 Session 4.1 Estimating and Testing Spatial Models 2, <i>Seminar Room 3.01</i></p> <p>Chair: Gianfranco Piras, Catholic University of America, USA</p> <p>Jakub Olejnik, University of Lodz, Poland</p>

	<p><i>Spatial autoregression with non-summable weight matrices - improving asymptotic analysis of Gaussian QML estimators</i> (with Alicja Olejnik, University of Lodz, Poland) Discussant: Zhenlin Yang</p> <p>Zhenlin Yang, Singapore Management University, Singapore <i>Diagnostic tests for homoskedasticity in spatial cross-sectional or panel models</i> (with Badi H. Baltagi, Syracuse University, US, and Alain Pirotte, University Paris II Panthéon-Assas, France) Discussant: Gianfranco Piras</p> <p>Gianfranco Piras, Catholic University of America, USA <i>Spillover effects in spatial models: New efficient and simpler calculations</i> (with Harry Kelejian, University of Maryland, US) Discussant: Jakub Olejnik</p> <p><u>Session 4.2 Industrial Spatial Dependence, Seminar Room 2.14</u></p> <p>Chair: Keti Lelo, Roma Tre University, Italy</p> <p>Anna Ebata, University of Tsukuba, Japan <i>A spatial analysis of industrial concentration in Japan using compositional data: An application of geographically weighted spatial statistics</i> (with Tsutsumi Morito, University of Tsukuba, Japan) Discussant: Keti Lelo</p> <p>Keti Lelo, Roma Tre University, Italy <i>The spatial distribution of creative firms in Rome</i> Discussant: Anna Ebata</p> <p><u>Session 4.3 Public & Welfare Economics, Seminar Room 3.16</u></p> <p>Chair: Johannes Bettin, University of Göttingen, Germany</p> <p>Sylvain Chareyron, GATE - CNRS, France <i>Does social interaction matter for welfare participation?</i> Discussant: Johannes Bettin</p> <p>Johannes Bettin, University of Göttingen, Germany <i>Well-tossed spaghetti spread in space: The origins of generalized social trust revisited</i> Discussant: Sylvain Chareyron</p>
<p>12:15-13:15</p>	<p>Lunch, Atrium, main floor <u>Poster Session I, Meeting Room 0.16</u></p> <p>Kabeya Clement Mulamba, University of Johannesburg, South Africa <i>Spatially varying relationships between municipal operating expenditure and its determinants in South Africa</i> (with Fiona Tregenna, University of Johannesburg, South Africa)</p>

	<p>Qiong Peng, University of Maryland, USA <i>Vacancy and crime in Baltimore city: A spatial panel Bayesian comparison approach</i> (with Jianhui Li, John Hopkins University, USA)</p> <p>Somesh Mathur, Indian Institute of Technology, India <i>On the impact assessment of congestion charge scheme on air quality in London city</i></p> <p>Takeshi Aida, Institute of Developing Economies, Japan <i>Regional disparities in subjective well-being: A spatial econometric approach</i></p> <p>Anastasia Arabadzhyan, University of Bologna, Italy <i>Illicit drug seizures and drug consumption: Evidence from Italy</i></p>
13:15-15:15	<p>Parallel Sessions 5 <u>Session 5.1 Labor Economics, Seminar Room 3.01</u></p> <p>Chair: Miguel Flores, Monterrey Institute of Technology and Higher Education, Mexico</p> <p>Bilver Astorquiza, Universidad EAFIT, Colombia <i>Incidence of residence place and the stigma of violence on wages: The case of Medellín-Colombia</i> Discussant: Celia Melguizo</p> <p>Celia Melguizo, University of Barcelona, Spain <i>Minimum wages and youth employment: A spatial analysis</i> (with Jordi López-Tamayo, and Raul Ramos, University of Barcelona, Spain) Discussant: Andreas Gohs</p> <p>Andreas Gohs, University of Kassel, Germany <i>Employment-projections at the regional level for Germany: The forecasting-performances of time-series- versus spatio-temporal-procedures</i> Discussant: Miguel Flores</p> <p>Miguel Flores, Monterrey Institute of Technology and Higher Education, Mexico <i>On the role of spatial proximity and labor outcomes: An application of spatial Markov Chain model</i> (with Victor Torres, Universidad de Colima, Mexico) Discussant: Bilver Astorquiza</p> <p><u>Session 5.2 Spatial Approach Applications, Seminar Room 2.14</u></p> <p>Chair: John Gibson, University of Waikato, New Zealand</p> <p>Olga Demidova, National Research University Higher School of Economics, Russia <i>Spatial econometric modeling of regional unemployment in Russia: comparison of resource-rich and resource-deficient regions</i> (with Victoriya Mohova, National Research University Higher School of Economics, Russia) Discussant: Anne Oduber</p>

	<p>Anne Oduber, Industrial University of Santander, Colombia <i>Are the Colombian hospitals efficient? Spatial data panel analysis</i> (with Marco Tulio Aniceto Frana, Pontifícia Universidade Católica do Rio Grande do Sul, Brazil) Discussant: Paula Simões</p> <p>Paula Simões, New University of Lisbon, Portugal <i>An autoregressive spatio-temporal econometric model for the saving calls of a health line</i> (with Isabel Natário, New University of Lisbon, Portugal, M. Lucília Carvalho, Universidade de Lisboa, Portugal, Sandra Aleixo, Instituto Superior de Engenharia de Lisboa, Instituto Politécnico de Lisboa, Portugal, and Sérgio Gomes, Direção Geral de Saúde, Portugal) Discussant: John Gibson</p> <p>John Gibson, University of Waikato, New Zealand <i>Civil Conflict and International Migration from Nepal: Evidence from a Spatial Durbin Model</i> (with Hari Prasad Sharma, University of Waikato, New Zealand) Discussant: Olga Demidova</p> <p><u>Session 5.3 Environment and Natural Resources, Seminar Room 3.16</u></p> <p>Chair: Yee Leung, The Chinese University of Hong Kong, China</p> <p>Jaune Vaitkeviciute, INRA-Agrosup Dijon and INRA-AgroParisTech, France <i>Climate variable choice in Ricardian studies on European agriculture</i> (with, Raja Chakir, UMR Economie Publique, INRA-AgroParisTech, France and Steven Van Passel, University of Antwerp, Belgium) Discussant: Sisi Meng</p> <p>Sisi Meng, University of Colorado Denver, USA <i>The Determinants of Property Damages: Evidence from Hurricane Sandy</i> (with Pallab Mozumder, Florida International University, USA) Discussant: José Daniel Morales Martínez</p> <p>José Daniel Morales Martínez, University of Campinas, Brazil <i>Spatial models of the urban water demand: how relevant is the relative consumption of natural resources?</i> (with Alexandre Gori Maia, University of Campinas, Brazil) Discussant: Yee Leung</p> <p>Yee Leung, The Chinese University of Hong Kong, China <i>A Methodology for the Estimation of Spatio-temporal Profile of City Air Pollution through the Integration of Station-based and Mobile-sensor-based Information</i> Discussant: Jaune Vaitkeviciute</p>
15:15-15:30	Coffee Break Available in all Seminar Rooms & 4.06/4.07
15:30-16:00	<p><u>Invited Talks 2, Seminar Room 4.06/4.07</u> Chair: Gianfranco Piras, Catholic University of America, USA</p>

	<p>Daniel Griffith, University of Texas at Dallas, USA <i>Title: Approximate eigenvector spatial filters for large irregular spatial tessellations</i></p>
16:00-18:00	<p>Parallel Sessions 6 <u>Session 6.1 Regional Growth and Development, Seminar Room 3.01</u></p> <p>Chair: Majid Sameti, University of Isfahan, Iran</p> <p>Shekofeh Farahmand, University of Isfahan, Iran <i>The spatial analysis of the impact of migration on regional growth in Iran (2006-11)</i> (with Narges Faraj-Qasemian, Alzahra University, Iran) Discussant: Richárd Farkas</p> <p>Richárd Farkas, University of Pécs, Hungary <i>The effects of EU framework programs on regional development: Differences between European countries and regions</i> (with Attila Varga, University of Pécs, Hungary, and Tamás Sebestyén, University of Pécs, Hungary) Discussant: Aparna Lolayekar</p> <p>Aparna Lolayekar, D.M's College and Research Centre, Assagao, India <i>Spatial dependence and regional income convergence in India (1981-2010)</i> Discussant: Majid Sameti</p> <p>Majid Sameti, University of Isfahan, Iran <i>International spillovers and regional economic growth in different R&D sector performance: Spatial panel evidences in the EU-28 regions</i> (with Shahrzad Anousheh, Saman Bank Isfahan, Iran, and Mehrnoosh Kalani, Islamic Azad University of Isfahan, Iran) Discussant: Shekofeh Farahmand</p> <p><u>Session 6.2 Trade and Finance, Seminar Room 2.14</u></p> <p>Chair: Tomasz Kijek, Maria Curie-Sklodowska University, Poland</p> <p>Jingshu Luo, Temple University, USA <i>Peer effects in corporate risk management: Evidence from reinsurance utilization</i> Discussant: Nina Vujanovic</p> <p>Nina Vujanovic, Staffordshire University, UK and Central Bank of Montenegro <i>Spatial productivity spillover effects of FDI in Croatia and Slovenia</i> Discussant: Tomasz Kijek</p> <p>Tomasz Kijek, Maria Curie-Sklodowska University, Poland <i>Knowledge spillovers: A spatial econometric evidence from the European regions</i> (with Arkadiusz Kijek, Maria Curie-Sklodowska University, Poland) Discussant: Jingshu Luo</p> <p><u>Session 6.3 Urban and Rural Studies, Seminar Room 3.16</u></p> <p>Chair: Sofia Franco, Nova School of Business and Economics UNL, Portugal</p>

	<p>Reinhold Kosfeld, University of Kassel, Germany <i>Determining minimum wages in China: Do economic factors dominate?</i> (with Christian Dreger, German Institute for Economic Research, Germany, and Yanqun Zhang, Chinese Academy of Social Sciences, China) Discussant: Miriam Romero</p> <p>Miriam Romero, University of Göttingen, Germany <i>Neighborhood effects on wealth from oil palm cultivation: The case of Jambi Province, Indonesia</i> (with Vijesh Krishna, International Maize and Wheat Improvement Center, Mexico) Discussant: Linda Steinhübel</p> <p>Linda Steinhübel, University of Göttingen, Germany <i>Somewhere in between towns, markets, and neighbors – Agricultural transition in the rural-urban interface of Bangalore, India</i> Discussant: Sofia Franco</p> <p>Sofia Franco, Nova School of Business and Economics UNL, Portugal <i>The shadow cost of parking minimums: Evidence from Los Angeles county</i> (with W. Bowman Cutter, Pomona College, US, and W. Skyler Lewis, Pomona College, US) Discussant: Reinhold Kosfeld</p>
18:00-19:00	Farewell, Atrium, main floor

List of Participants

First Name	Last Name	Affiliation/Organization	Email
Achim	Ahrens	The Economic and Social Research Institute, Ireland	achim.ahrens@esri.ie
Takeshi	Aida	Institute of Developing Economies, Japan	aidatakeshi@gmail.com
Nikolaos	Antonakakis	Webster Vienna Private University, Vienna	nikolaos.antonakakis@webster.ac.at
Anastasia	Arabadzhyan	University of Bologna, Italy	anastasia.arabadzhyan@unibo.it
Giuseppe	Arbia	Universita' Cattolica del Sacro Cuore, Italy	giuseppe.arbia@unicatt.it
Cengiz	Arikan	TR Ministry of Customs and Trade and Gazi University, Turkey	C.Arikan@gtb.gov.tr
Bilver	Astorquiza	Universidad EAFIT, Colombia	bastorqu@eafit.edu.co
Anil	Bera	University of Illinois, USA	abera@uiuc.edu
Johannes	Bettin	University of Göttingen, Germany	jbettin@gwdg.de
Anna Gloria	Billé	Free University of Bozen-Bolzano, Italy	AnnaGloria.Bille@unibz.it
Roger	Bivand	Norwegian School of Economics, Norway	Roger.Bivand@nhh.no
Sylvain	Chareyron	GATE - CNRS, France	chareyron@gate.cnrs.fr
Ioannis	Chatziantoniou	Webster Vienna Private University, Vienna	ioannis.chatziantoniou@webster.ac.at
Andrea	Chegut	Massachusetts Institute of Technology, USA	achegut@mit.edu
Beulah	Chelva	University of Leeds, UK	beulin@gmail.com
Michaela	Chocholata	University of Economics in Bratislava, Slovakia	michaela.chocholata@euba.sk
Jan	Chvosta	SAS Institute Inc.	Jan.Chvosta@sas.com
Olga	Demidova	National Research University Higher School of Economics, Russia	demidova@hse.ru
Oguzhan	Dincer	Illinois State University, USA	odincer@ilstu.edu
Sophia	Ding	ETH Zurich, Switzerland	ding@kof.ethz.ch
Anna	Ebata	University of Tsukuba, Japan	evatan0918@gmail.com
Paul	Elhorst	University of Groningen, Netherlands	j.p.elhorst@rug.nl
Rim	Er-Rbib	University of Tsukuba, Japan	rim.errbib@gmail.com
Shekofeh	Farahmand	University of Isfahan, Iran	sh.farahmand@ase.ui.ac.ir
Richárd	Farkas	University of Pécs, Hungary	farkasr@ktk.pte.hu
Bernard	Fingleton	University of Cambridge, UK	bf100@cam.ac.uk
Manfred M.	Fischer	Vienna University of Economics and Business, Austria	manfred.fischer@wu.ac.at
Miguel	Flores	Tecnologico de Monterrey, Mexico	miguelflores@itesm.mx
Sofia	Franco	Nova School of Business and Economics UNL, Portugal	sfranco@novasbe.pt
Andrea	Furkova	University of Economics in Bratislava, Slovakia	andrea.furkova@pobox.sk
David	Gabauer	Webster Vienna Private University, Vienna	david.gabauer@webster.ac.at
Chiara	Ghiringhelli	Università della Svizzera Italiana, Italy	chiaretaghiri@hotmail.it
John	Gibson	University of Waikato, New Zealand	jkgibson@waikato.ac.nz
Andreas	Gohs	University of Kassel, Germany	gohs@uni-kassel.de
Maria Pilar	González	Universidad del País Vasco UPV/EHU, Spain	mariapilar.gonzalez@ehu.eus
Daniel	Griffith	University of Texas at Dallas, USA	dagriffith@utdallas.edu
Abhimanyu	Gupta	University of Essex, UK	a.gupta@essex.ac.uk
Sean	Holly	University of Cambridge, UK	sh247@cam.ac.uk
Jaya	I Gede Nyoman Mindra	Universitas Padjadjaran, Indonesia	mindra@unpad.ac.id
Johannes	Jasny	University of Hohenheim, Germany	johannes.jasny@uni-hohenheim.de

Madina	Karamysheva	NRU Higher School of Economics, Russia	mkaramysheva@hse.ru
Harry	Kelejian	University of Maryland, USA	kelejian@econ.umd.edu
Michaela	Kesina	ETH Zurich, Switzerland	kesina@kof.ethz.ch
Tomasz	Kijek	Maria Curie-Sklodowska University, Poland	tomasz.kijek@poczta.umcs.lublin.pl
Arkadiusz	Kijek	Maria Curie-Sklodowska University, Poland	arkadiusz.kijek@poczta.umcs.lublin.pl
Andrey	Kirillov	Higher School of Economics, Moscow, Russia	akir@hse.ru
Katarzyna	Kopczewska	University of Warsaw, Poland	kkopczewska@wne.uw.edu.pl
Reinhold	Kosfeld	University of Kassel, Germany	rkosfeld@uni-kassel.de
Anja	Kukuvec	Vienna University of Economics and Business, Austria	anja.kukuvec@wu.ac.at
Julie	Le Gallo	Agrosup Dijon, France	julie.le-gallo@agrosupdijon.fr
Keti	Lelo	Roma Tre University, Italy	keti.lelo@uniroma3.it
James P.	LeSage	Texas State University, USA	james.lesage@txstate.edu
Yee	Leung	The Chinese University of Hong Kong, China	yeeleung@cuhk.edu.hk
Xiuting	Li	University of Chinese Academy of Sciences, China	lixiating@ucas.ac.cn
Aparna	Lolayekar	D.M's College and Research Centre, Assagao, India	aparna2502@gmail.com
Jingshu	Luo	Temple University, USA	jingshu.luo@temple.edu
Somesh	Mathur	Indian Institute of Technology, Kanpur	skmathur@iitk.ac.in
Yasumasa	Matsuda	Tohoku University, Japan	yasumasa.matsuda.a4@tohoku.ac.jp
Celia	Melguizo	University of Barcelona, Spain	cmelguizo@ub.edu
Sisi	Meng	University of Colorado Denver, USA	sisi.meng@ucdenver.edu
Sisi	Meng	University of Colorado Denver, USA	sisi.meng@ucdenver.edu
José Daniel	Morales Martínez	University of Campinas, Brazil	danielmorales_0831@yahoo.com
Francesco	Moscone	Brunel Business School, Brunel University London	francesco.moscone@brunel.ac.uk
Xindi	Mou	University of Chinese Academy of Sciences, China	muxindi0819@163.com
Werner	Mueller	Johannes Kepler University, Austria	werner.mueller@jku.at
K. Clement	Mulamba	University of Johannesburg, South Africa	mkclement@gmail.com
Daisuke	Murakami	Institute of Statistical Mathematics, Tokyo	dmuraka@ism.ac.jp
Amjad	Naveed	Aarhus University, Denmark	amjadn@btech.au.dk
Anne	Oduber	Industrial University of Santander, Colombia	julissaoduber@gmail.com
Jakub	Olejniak	University of Lodz, Poland	jakubo@math.uni.lodz.pl
Alicja	Olejniak	University of Lodz, Poland	olejnika@uni.lodz.pl
Olivier	Parent	University of Cincinnati, USA	Olivier.Parent@uc.edu
Dmitry	Pavlyuk	Transport and Telecommunication Institute, Riga, Latvia	Dmitry.Pavlyuk@tsi.lv
Qiong	Peng	University of Maryland, USA	xqpeng@umd.edu
Michael	Pfarrhofer	Vienna University of Economics and Business, Austria	michael.pfarrhofer@wu.ac.at
Gianfranco	Piras	Catholic University of America, USA	piras@cua.edu
Alain	Pirotte	Université Paris 2 Panthéon-Assas, France	Alain.Pirotte@u-paris2.fr
Ingmar	Prucha	University of Maryland, USA	prucha@econ.bsos.umd.edu
Miriam	Romero	University of Göttingen, Germany	mromero@gwdg.de
Majid	Sameti	University of Isfahan, Iran	majidsameti@ase.ui.ac.ir
Rita	Santos	Centre for Health Economics, University of York	rita.santos@york.ac.uk
Takaki	Sato	Tohoku University, Japan	takaki.sato.s4@dc.tohoku.ac.jp
Elena	Semerikova	Humboldt University, Berlin	lena.sem7@mail.ru

Ekaterina	Seregina	Bocconi University, Italy	ekaterina.seregina@phd.unibocconi.it
Luís	Silveira Santos	ISEG, Universidade de Lisboa, Portugal; REM, CEMAPRE	lsantos@iseg.ulisboa.pt
Skyler	Simnitt	University of Florida, USA	skysimnitt@ufl.edu
Paula	Simões	Universidade Nova de Lisboa, Portugal	paulasimoes@adm.isel.pt
Leopold	Sögner	NYU Abu Dhabi, UAE and IHS Vienna, Austria	ls4794@nyu.edu
Linda	Steinhübel	University of Göttingen, Germany	linda.steinhuebel@agr.uni-goettingen.de
Florencia	Timothy	Padjadjaran University	florenciamdee@gmail.com
Zornitsa	Todorova	Bocconi University, Italy	zornitsa.todorova@unibocconi.it
Toharudin	Toni	Padjadjaran University, Indonesia	jay.komang@gmail.com
Jaune	Vaitkeviciute	UMR CESAER, INRA-Agrosup Dijon, France	jaune.vaitkeviciute@inra.fr
Nina	Vujanovic	Staffordshire University, UK and CB of Montenegro	ninavu1707@gmail.com
Yulong	Wang	Syracuse University, USA	ywang402@maxwell.syr.edu
Zhenlin	Yang	Singapore Management University, Singapore	zlyang@smu.edu.sg
Kateryna	Zabarina	University of Warsaw, Poland	kzabarina@wne.uw.edu.pl
Christian	Zwatz	University of Vienna, Austria	christian.zwatz@univie.ac.at