



GEO20**20** 5TH GEOGRAPHY OF INNOVATION CONFERENCE **INNO**

29th — 31st January 2020
CLARION HOTEL ENERGY, STAVANGER

Hosted by University of Stavanger, RUNIN
and Stavanger Centre for Innovation Research

CONFERENCE HANDBOOK AND PROGRAMME

@geoinno2020



#geoinno2020

WELCOME



Dear Geolnno participants,

I am delighted to welcome you to Stavanger and to the University of Stavanger for the fifth Geography of Innovation Conference.

The University of Stavanger aims to be an innovative university that contributes actively to regional development through research, education and knowledge exchange. We are an active member of the European Consortium of Innovative Universities (ECIU), where we collaborate with other universities with a similar profile. The Geolnno conference also marks the end of an EU funded project on the Role of Universities in Innovation and Regional Development (RUNIN), in which we have collaborated with other ECIU universities to train 14 PhD students working on this topic.

Since the establishment of the Centre for Innovation Research in 2008, the geography of innovation has grown into an important research area for the university. We publish regularly in journals in this field, run a master profile in innovation studies, and are an important contributor to regional, national and international policy debates.

The Stavanger region is currently facing a double transition challenge of green and economic restructuring. There is a growing recognition of the need to develop new industries that can reduce the region's current dependence on the oil and gas industry. Innovation is therefore at the forefront of regional policy debates. Geolnno represents a great opportunity for the region to access the most recent research on how to address this challenge and to learn from leading international scholars on this topic.

I hope that the discussions will be engaging and provide new inspiration for your research, and wish you a pleasant stay here in Stavanger.

A handwritten signature in black ink, appearing to read 'Rune Dahl Fitjar'.

Rune Dahl Fitjar
Pro-rector for Innovation and Society, University of Stavanger
Chair, Geolnno2020

THE HOSTS AND LOCATION



Centre for Innovation Research

CENTRE FOR INNOVATION RESEARCH

The Centre for Innovation Research is a joint centre between The University of Stavanger (UiS) and the Norwegian Research Centre (NORCE). The University of Stavanger Business School hosts the centre. The Centre has since its inception in 2008 acquired a robust and visible international profile within innovation studies, economic geography, economics and entrepreneurship. The Centre involves over 30 researchers from UiS Business School, Department of Media and Social Sciences (IMS), Department of Industrial Economics, Risk Management and Planning (IØRP) and NORCE.



UIS BUSINESS SCHOOL

The UiS Business School was established in 2011 and became one of six faculties at the University of Stavanger in 2017. The faculty is organized into three departments: Department of Innovation, Management and Marketing, Department of Accounting and Law and Department of Economics and Finance. The UiS Business School offers bachelor programmes in Business Administration and in Law. The graduate programmes include Master of Science in Business Administration and in Accounting & Auditing, as well as a PhD programme and an Executive MBA programme. The faculty consists of about 75 faculty members and staff, 700 undergraduate and 250 graduate students, 100 Executive MBA students and 17 PhD candidates.



UNIVERSITY OF STAVANGER

The University of Stavanger was established in 2004. It currently has around 12000 students and 1300 faculty, administration and service staff. It has six faculties (Technical and Natural Sciences, Social Sciences, Business School, Health Sciences, Educational Sciences and Humanities, and Performing Arts), and a Museum of Archaeology.



**City of
Stavanger**

CITY OF STAVANGER

Stavanger is the regional capital of Rogaland county in southwestern Norway. The urban area has a population of around 320,000, making it the third largest city in Norway. Stavanger is the oil and energy capital of Norway and has an innovative and dynamic economy. It has been the most rapidly growing region of Norway since the emergence of the oil industry in the 1970s, and has a vibrant international community with 189 nationalities represented. However, it was hit by falling oil prices in 2014 and currently faces a long-term restructuring challenge. Stavanger was European Capital of Culture in 2008 and has invested heavily in arts and leisure activities.



BY NORDIC CHOICE

CLARION ENERGY HOTEL

Clarion Hotel Energy Stavanger is the largest conference hotel in the Stavanger region and opened in 2014. The beautiful lakes Mosvannet and Stokkavannet are close to Clarion Hotel Energy. Nearby the hotel, you can find inspiration at the Stavanger Art Museum or go shopping at the Amfi Madla centre.

KEYNOTE SPEAKERS



MERCEDES DELGADO


 @mdelgadosevilla

Mercedes Delgado is Associate Professor of Strategy and Innovation at Copenhagen Business School and Research Scientist at the MIT Innovation Initiative.

Delgado's research focuses on the relationship between the regional business environment and the performance of firms, regions, and countries. She examines the role of regional clusters—geographic concentrations of related industries, firms, and supporting institutions—in job creation, innovation, entrepreneurship, inclusivity, and resilience. Delgado has developed new methods for defining and mapping industry clusters and the supply chain economy, providing tools to help firms, practitioners, and policymakers create regional and national strategies. In recent work she explores the interaction between firm location choices through the value chain and firm performance.

Delgado's work has been published in top economic, policy, and strategy journals. She has received a number of prestigious fellowships and research grants, including a recent National Science Foundation grant on Mapping the Inventor Gender Gap. She served as a lead researcher on the US Cluster Mapping Project: Mapping a Nation of Regional Clusters.

Wednesday 29th January at 12:40 - 14:10, Energy Hall
Keynote title: The Inventor Gender Gap: Catalyzing Change


The contribution of women to patenting is persistently low. Women are being included in university patenting at slower rates than they are completing STEM PhD programs. At the current rate of change it would take more than 250 years to reach parity in female inventors. Analyzing patents by gender of the inventors, we study the role of organizations (universities and firms), their top inventors, and location as catalysts for increasing the presence of women in patenting.



CÉSAR A. HIDALGO

 @cesifoti

César Hidalgo holds an ANITI Chair at the University of Toulouse, an Honorary Professorship at the University of Manchester, and is a visiting Professor at Harvard's School of Engineering and Applied Sciences. Hidalgo is also a founder of Datawheel, a data visualization and distribution company. Prior to joining the University of Toulouse, Hidalgo was a professor at MIT where he directed the Collective Learning group.

Dr. Hidalgo's research focuses on collective learning—the learning taking place in teams, organizations, and economies. With his group, he develops analytical tools and models to understanding how collective learning takes place, and also, they design tools to help improve the collective learning of organizations.

These tools include The Observatory of Economic Complexity (the world's leading visualization engine for international trade data), Pantheon (a platform mapping human collective memory), DataViva (a platform visualizing economic data for all of Brazil), Immersion (a tool to visualize personal email networks), DataUSA (the most comprehensive effort to visualize US public data), and DIVE (a generalized tool designed to transform any dataset into a story).

He holds a PhD in physics from the University of Notre Dame and a bachelor's degree in physics from the Pontificia Universidad Católica de Chile. Hidalgo is the author of *Why Information Grows: The Evolution of Order, from Atoms to Economies* (Basic Books, 2015), and a co-author of *The Atlas of Economic Complexity* (MIT, Press 2011).

Wednesday 29th January at 12:40 - 14:10, Energy Hall
Keynote title: Unifying Metrics of Economic Complexi

 In recent years, measures of economic complexity have become popular tools for economic forecasting and industrial policy. Here I show that many of these metrics belong to a single family of mathematical maps from which these measures can be derived.



MERIC GERTLER

Meric S. Gertler is President of University of Toronto, and is as Professor one of the world's foremost urban theorists and policy practitioners. His research focuses on the geography of innovative activity and the economies of city-regions. He has served as an advisor to local, regional and national governments in Canada, the United States and Europe, as well as to international agencies such as the Organisation for Economic Cooperation and Development (Paris) and the European Union. He was the founding co-director of the Program on Globalization and Regional Innovation Systems (PROGRIS) at the Munk School of Global Affairs, served as director of the Department of Geography's Program in Planning, and holds the Goldring Chair in Canadian Studies.

His research has attracted \$8.4 million in external funding and he has published nine books including *Manufacturing Culture: the Institutional Geography of Industrial Practice*, and *Growing Urban Economies: Innovation, Creativity, and Governance in Canadian City-Regions*, the latter co-edited with Professor David Wolfe. He is also co-editor of the widely used *Oxford Handbook of Economic Geography*, winner of Choice Magazine's "Outstanding Academic Book" award, and the forthcoming *New Oxford Handbook of Economic Geography*. His more than 90 journal articles and book chapters have had significant impact in his field and have led him to be one of Canada's most highly cited geographers. He has held visiting appointments at Oxford University, University College London, UCLA, and the University of Oslo.

Thursday 30th January at 09:00 - 10:30, Energy Hall

Keynote title: Curating Local Innovation Ecosystems: The Evolving Role of Universities



From research partnerships with industry to work-integrated learning and entrepreneurship, universities are becoming ever more central players in building local innovation ecosystems. Indeed, the scholarship they produce and the talent they generate reposition universities as increasingly active agents in curating local innovation ecosystems.



SHIRI M. BREZNITZ

 @smbreznitz

Shiri M. Breznitz, an economic geographer, specializes in innovation, technology commercialization, and regional economic development. She is an associate professor at the Munk School of Global Affairs & Public Policy and a member of the Innovation Policy Lab at the University of Toronto. Dr. Breznitz completed her PhD at the University of Cambridge and her postdoctoral fellowship at the University of North Carolina, Chapel Hill.

Her research is at the critical intersection of theory and policy to fit the new realities of globalization. Dr. Breznitz's work has informed policymaking at the local, national, and international levels. She has advised on the role of universities in the larger story of innovation, on the economic impact of biotechnology, and on the role of clusters in driving innovation. Breznitz has been the Economic Geography section editor for the Geography Compass Journal since 2016. In 2018, Dr. Breznitz co-led the University of Toronto's first Alumni Impact survey.

Breznitz's book, "The Fountain of Knowledge" with Stanford University Press (July 2014), analyzes universities' relationships with government and industry, focusing on the biotechnology industry as a case study. She has also, co-edited the book "University Technology Transfer: The Globalization of Academic Innovation," with Routledge Press (September 2015). Additional work by Dr. Breznitz has been published in top economic geography, management, and policy journals. Current projects includes work on the creative industries and crowdfunding, evaluating the economic role of students' entrepreneurship, and a study on the spatial distribution of entrepreneurship.

Thursday 30th January at 09:00 - 10:30, Energy Hall

Keynote title: Entrepreneurship and the University: Old Wine in a New Bottle

The impact of universities goes beyond research and training future employees. Universities, through entrepreneurship education courses and in comparison to no entrepreneurship education at all, have a positive impact on entrepreneurship in general and on student entrepreneurship in particular.




NEIL LEE

 @ndrlee

Neil Lee holds a PhD in Economic Geography from the LSE and was a visiting scholar at TCLab, Columbia University.

His research considers cities, economic change and the social dimensions of innovation. He is particularly interested in the distribution of the proceeds of growth and the links between innovation and inequality. He has also published on the economics of the creative industries and the link between cultural diversity, innovation and urban economies.

Friday 31th January at 13:20 - 14:50, Energy Hall
Keynote title: Inclusive Regional Innovation Policy


The geography of innovation is highly uneven – as are the benefits. While innovation can create skilled jobs in some parts of the economy, it can also lead to inequality even in the most successful cities and regions.



ALESSANDRA FAGGIAN

Alessandra Faggian is Professor of Applied Economics, Director of Social Sciences and Vice Provost for Research at the Gran Sasso Science Institute. She is also past President of the North American Regional Science Council (NARSC), current co-editor of Journal of Regional Science and previous co-editor of the journal Papers in Regional Science.

Her research interests lie in the fields of regional and urban economics, demography, labour economics and economics of education. Her publications cover a wide range of topics including migration, human capital, labour markets, creativity and local innovation and growth. She has co-authored over 80 academic publications. Her articles have appeared in journals such as Oxford Economics Papers, Cambridge Journal of Economics, Feminist Economics, Regional Studies, Papers in Regional Science, Journal of Regional Science and The Journal of Economic Geography.

Faggian is the 2007 recipient of the Moss Madden Memorial Medal by the Regional Science Association International: Irish and British section (RSAIBIS) for the best paper published in the year 2006 and the 2015 recipient of the Geoffrey Hewings Award by The North American Regional Council for outstanding research contribution by a young scholar in the field of regional science. In a recent ranking of the top 100 regional scientists in the world (Rickman and Winters, 2016), she was ranked 19th.

Friday 31st January at 13:20 - 14:50, Energy Hall

Keynote title: Harnessing artificial intelligence for regional eco-innovation: a patent-based analysis of European regions' green-tech specialization

Artificial Intelligence (AI) helps regions specialize in environmental technologies providing they already master the relative focal green knowledge, and directs regional innovations elsewhere otherwise. AI reinforces path-dependence in the regional development of eco-innovation, but it also attenuates the role of relatedness in that, and enables regions more explorative patterns of search in the green-tech domain.

PROGRAMME OVERVIEW

DAY 1 — WEDNESDAY

11.30-12.30	Registration
12.30-12.40	Welcome Speech
12.40-14.10	Keynote Session
14.10-14.30	Coffee/Energy Break
14.30-16.10	Parallel Sessions A
16.10-16.30	Coffee/Energy Break
16.30-18.10	Parallel Sessions B
18.10	End of Conference day
18.45	Buses leave for Reception
19.00	Reception

DAY 2 — THURSDAY

08.30-09.00	Registration
09.00-10.30	Keynote Session
10.30-10.50	Coffee/Energy Break (Sponsored by RSA)
10.50-12.30	Parallel Sessions C
12.30-13.30	Lunch
13.30-15.10	Parallel Sessions D
15.10-15.25	Coffee Break
15.25-17.05	Parallel Sessions E
17.05-17.20	Coffee/Energy Break
17.20-19.00	Parallel Sessions F
19.00	End of conference day
19.45	Buses leave for Gala dinner
20.00-23.15	Gala dinner

DAY 3 — FRIDAY

08.30-09.00	Registration
09.00-10.40	Parallel Sessions G
10.40-10.50	Coffee/Energy Break
10.50-12.30	Parallel Sessions H
12.30-13.20	Lunch
13.20-14.50	Keynote Session
14.50-15.00	Farewell Speech
15.00	End of Conference/Energy Break
15.10	Buses leave for airport

Detailed programme on pages 18 – 41.



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PRACTICAL INFORMATION

Please check the online conference programme at geoinno2020.com/program, where additional details, information and recommendations will be added throughout the conference.

REGISTRATION AND HOTEL CHECK-IN

The registration opens on 11:30 on Wednesday 29th January, and 08:30 on day 2 and day 3. The desk will be open all days until end of conference day. The check-in at Clarion Hotel Energy opens at 15:00, but if they have capacity you might get be able to check in earlier. Check-out is no later than 12:00 noon. It is therefore advised that Friday check-out happens before the conference starts. The hotel provides luggage storage before check-in and after check-out. After checking out on Friday the luggage storage will be at a designated area on the 1st floor (Norwegian 2nd floor).

FOOD

At Clarion Hotel Energy breakfast is being served from 06:00-09:30 on weekdays, and from 07:00-11:00 during weekends. (From 05:00-06:00 you will have access to a basic breakfast selection).

Coffee, tea and water will be available for consumption throughout the conference.

Restaurant Kitchen & Table is open on weekdays from 18:00-22:30 all days except Sundays. Bar Kitchen & Table is open on weekdays from 17:00 to midnight all days except Sundays. By showing the conference participant badge you will be able to purchase beer from the bar at a reduced price. Please ask the bar staff for questions around prices and discounts.

Please note that there will be no lunch provided on Wednesday. You will be able to purchase sandwiches from the reception, where you also can order meals from the room service menu.

Please note that there will be no dinner at the Reception, only finger food. We expect that most people will continue to town after the reception to eat dinner. The following restaurants can be recommended in the city centre: Villa 22, Fisketorget, Renaa Matbaren, NB Sørensen, Olivia, Fish & Cow, Bølgen og Moi, Spiseriet, Nick & Jonnies, Harry Pepper, and Døgnvill.

CASH-FREE HOTEL

Clarion Hotel Energy is a cash-free hotel. They accept all major debit and credit cards.

SESSION FORMAT AND PRESENTATION GUIDELINES

The plenary sessions will last for 1 hour and 30 minutes and will take place in Energy Hall on the ground floor. Most of the parallel sessions will take place in meeting rooms on the 1st floor (Norwegian 2nd floor).

Each parallel session at GEOINNO2020 will last for 1 hour and 40 minutes without breaks. The session rooms will be equipped with projector and a PC. Please make sure to bring your slides on a USB stick and to transfer them to this PC before the start of the session.

In sessions with five papers you will have 20 minutes, including Q&As. Please foresee a maximum of 15 minutes for your presentation and 5 minutes for discussion.

In sessions with four papers or fewer you will have 25 minutes, including Q&As. Please foresee a maximum of 18-20 minutes for your presentation and 5-7 minutes for discussion.

The session chair will ensure the schedule of the session. The chair will show a note when you have 5 minutes left, 2 minutes left and when you have run out of time.

BUSES AND LOCAL TRANSPORT

The conference organizes two complementary shuttle buses from the airport to Clarion Energy Hotel on Wednesday morning at 09:45 and 11:30, and a shuttle to the airport on Friday at 15:10. If you arrive at any other time, the Airport Express Bus (Flybussen) route via Forum stops outside the hotel. Use the stop "DNB Arena" for Clarion Energy Hotel, which you will see from the bus stop.

The Airport Express Bus is NOK 136 one-way and NOK 205 for a return ticket. Check out the Flybussen timetable and buy tickets in advance (cheaper than paying on board): <https://www.flybussen.no/billett/#/reise/fra/stavanger-flyplass/SVG>.

For local buses, we recommend to download the "Kolumbus billett" app, which is the preferred way to buy tickets. Single tickets are NOK 37 and a 7 day ticket is NOK 290. The app is in English and international credit cards work as payment. Alternatively, you can buy tickets from ticket machines at designated bus stops or at the Kolumbus customer service centre in downtown Stavanger. Buying tickets on the bus is only possible with cash (no credit card) and for an extra NOK 20 fee.

Local bus routes 2, 3, 6, 7 and 16 run between downtown Stavanger and Clarion Hotel Energy. These leave from the bus stops 16, 17, 18, 19, 20 in the city centre, which are located next to lake Breiavatnet across from the railway station. For arriving at Clarion Hotel Energy from the city centre, use the stop "Stavanger turnhall" or "Morgedalsveien". From Clarion Hotel Energy to the city centre, the stop is "DNB Arena".

Please note that on Wednesday and Thursday, there will be a complementary shuttle bus from Clarion Energy to the Reception and Gala Dinner. However, there will not be organised a bus for the return and you are advised to use local buses for the transport back to the hotel.

TAXIS

Taxis are around NOK 150 from the city centre to Clarion Hotel Energy, and around NOK 400-500 from the airport to the city centre or to the hotel.

Stavanger taxi: Phone (+47) 51 90 90 90
Miljøtaxi Stavanger: Phone (+47) 51 58 66 66

Taxis can also be booked using the TaxiFix app. There are several taxi ranks downtown, including in Haakon VII's gate just north of the Radisson Blu Atlantic Hotel. There is no Uber in Stavanger.

PARKING

There is a parking garage linked to the hotel at a cost of NOK 10/hour.

WIFI

Clarion Hotel Energy hotel has open and free Wifi access called Clarion Connect.

IMPORTANT PHONE NUMBERS

Emergency services: 110 (Fire) 112 (Police) 113 (Ambulance).

Emergency care room: Telephone +47 51 51 02 02 Address: Armauer Hansens vei 30.

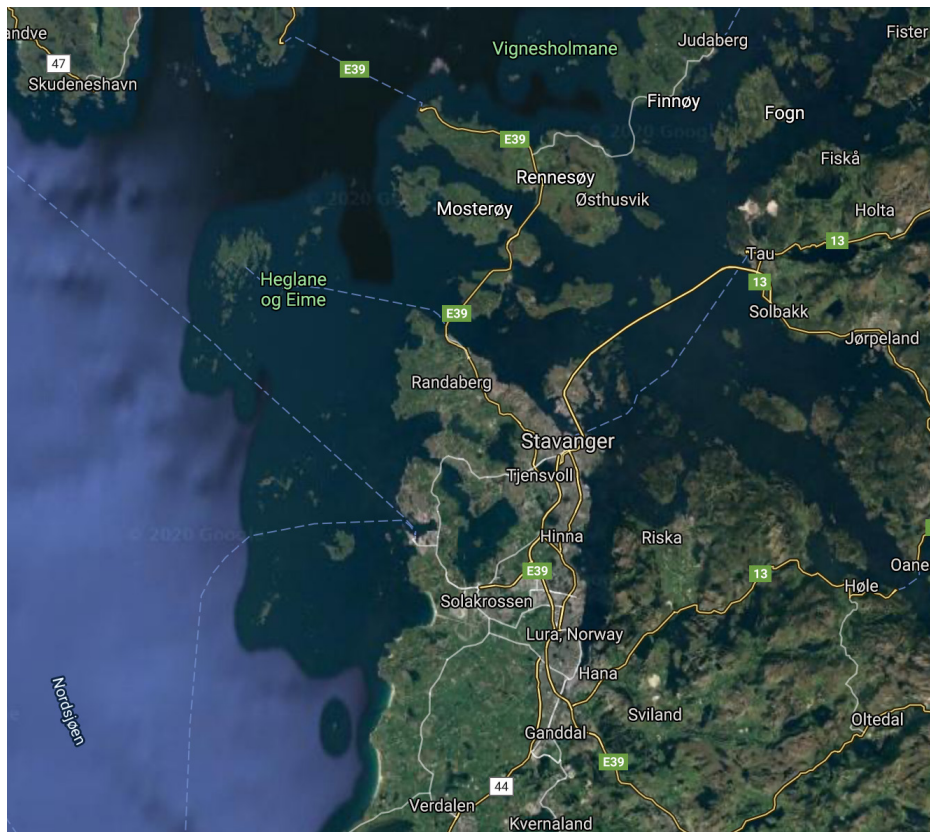
Pharmacy: Vitus apotek Madla, Madlamarkveien 2 (5 mins walk west of the hotel).

WORKING OUT

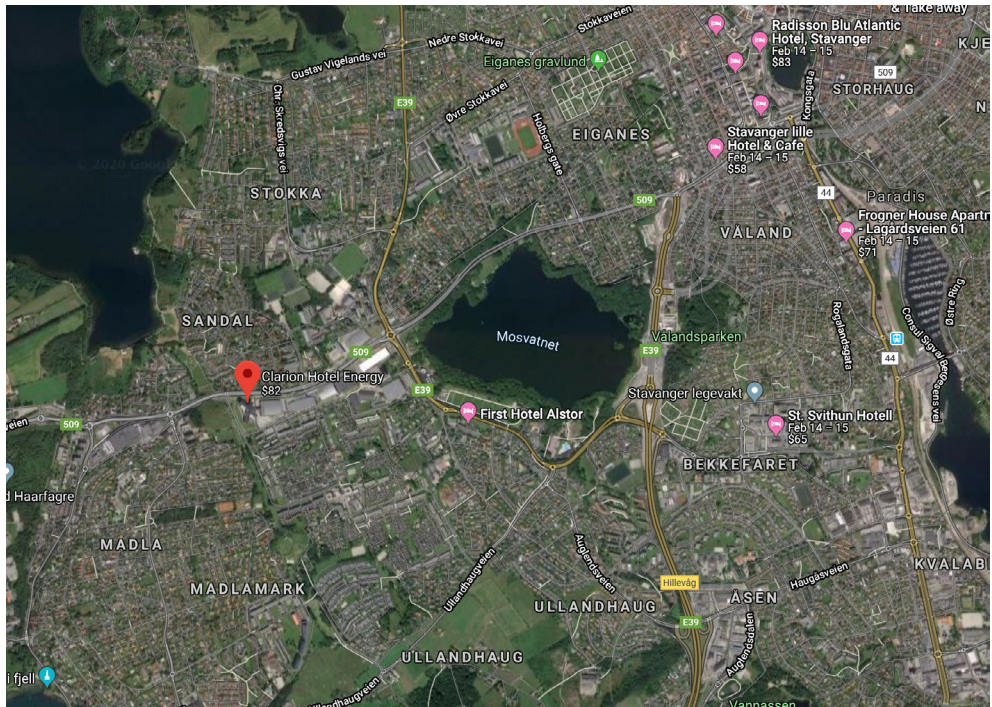
The Clarion Hotel Energy is located next to the lakes Stokkavatnet and Mosvatnet, both with gravel paths going around the lake. From the hotel, the roundtrip of Stokkavatnet is around 10 km and the roundtrip of Mosvatnet is around 5 km.

The hotel gym is open 24/7 for the hotel guests.

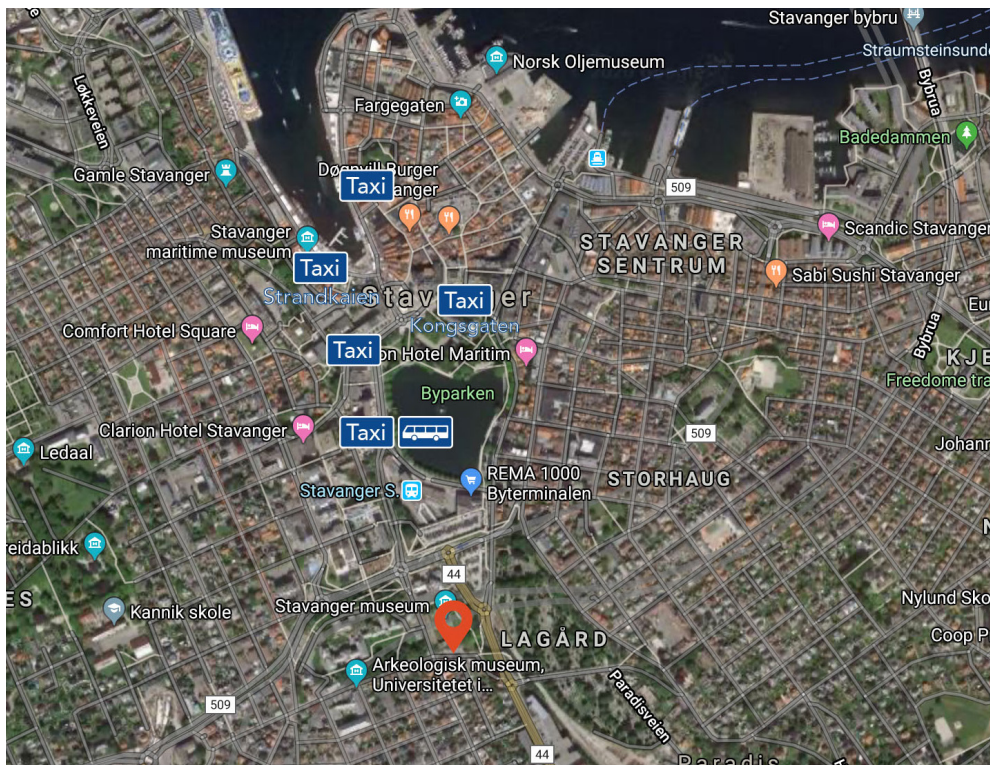
MAP OVER ROGALAND REGION



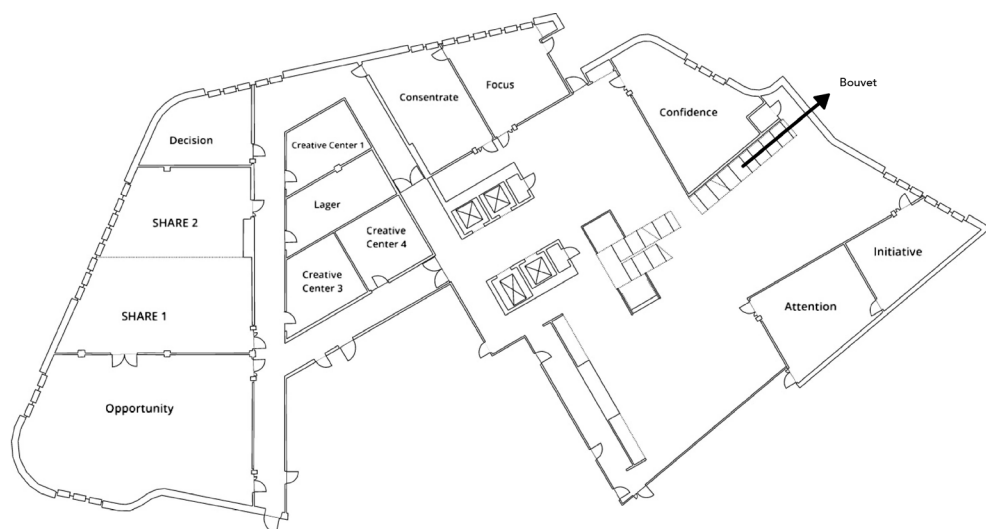
MAP OVER FORUM AREA AND CITY CENTRE



MAP OVER STAVANGER CITY CENTRE



FLOOR MAP



GEOINNO2020

5th Geography of Innovation Conference



PROGRAMME

Registration

Date/Time: Wednesday 29/01/2020 1130 - 1230

Conference Welcome

Date/Time: Wednesday 29/01/2020 1230 - 1240, Energy Hall

Chair:

Klaus Mohn, Rector - University of Stavanger, Norway	Welcome to Stavanger and GEOINNO2020
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Keynote Session: Innovation Policy for Regions and Countries

Date/Time: Wednesday 29/01/2020 1240 - 1410, Energy Hall

Chair: Ron Boschma - Utrecht University, The Netherlands

Mercedes Delgado - Copenhagen Business School, Denmark and MIT, United States	The Inventor Gender Gap: Catalyzing Change
César Hidalgo - Artificial and Natural Intelligence Toulouse Institute (ANITI), France	Unifying Metrics of Economic Complexity

Coffee/Energy Break

Date/Time: Wednesday 29/01/2020 1410 - 1430

Universities and the Geography of Innovation I

Date/Time: Wednesday 29/01/2020 1430 - 1610, Energy Hall 3

Chair: Renato Garcia - Institute of Economics - University of Campinas, Brazil

Sharifah Rohayah Sheikh Dawood - Universiti Sains Malaysia, Malaysia	The role of higher education institution in the development of biotechnology industries in the Iskandar Region of Johor, Malaysia
Liliana Fonseca - Universidade de Aveiro, Portugal Carlos Rodrigues Joan-Lluís Capelleras	University-led Technological Platforms: Comparative insights of two universities' organisational adaptation in the wake of smart specialisation
Maria Salomaa - University of Lincoln, United Kingdom	Entrepreneurial universities, regional development and the European Structural Funds: Comparative analysis on the types of university-led SF projects from four European countries
Olivier Coussi - University of Poitiers, France Evelyne Lande Kadigia Faccin Alsonès Balestrin	Building trust in a Triple Helix integrating Foreign Direct Investment: an empirical study on the role of contract between stakeholders using Actor-Network Theory

Clusters, Industrial Districts and Regional Innovation Systems I

Date/Time: Wednesday 29/01/2020 1430 - 1610, Opportunity

Chair: Gianluca Capone - University of Parma, Italy

Max Nathan - Bartlett School of Planning, University College London, United Kingdom Capucine Riom Henry Overman	Multipliers from a Major Public Sector Relocation: The BBC's Move to Manchester
Aljoša Budović - University of Belgrade, Serbia Ivan Ratkaj	Urban Restructuring and Rise of Knowledge-Intensive Business Services in a Post-Socialist City: a Case Study of Belgrade
John-Erik Rørheim - University of Stavanger, Norway Ron Boschma	Varying Effects of Skill-relatedness between Times of Prosperity and Crisis: The Case of the Oil Region Stavanger
Anna-Barbara Heindl - Leibniz University Hannover - Institute of Economic and Cultural Geography, Germany	Limited Knowledge Production in Geography of Innovation - The need for New Approaches in Qualitative Research

MNCs, Global Production Networks and Knowledge Spillovers I

Date/Time: Wednesday 29/01/2020 1430 - 1610, Share 1

Chair: Trond Nilsen - Inland Norway University of Applied Sciences, Norway

Enrico Vanino - University of Sheffield, United Kingdom Alexander Jaax	The role of Multinational Enterprises in Economic Diversification: Evidence from Mexico
Martin Andersson - University of Blekinge - CIRCLE, University of Lund, Sweden Davide Castellani Claudio Fassio Viroj Jienwatcharamongkhol	Leaving the Multinational - the frequency and nature of mobility of employees from MNEs
Martin Henning - University of Gothenburg, Sweden Ramsin Yakob Claes G Alvstam H Richard Nakamura Inge Ivarsson	The impact of foreign firm ownership on local renewal activities and processes
Sergio Petralia - London School of Economics, United Kingdom Riccardo Crescenzi David Arnold	Specialization, Communication Costs & The Location Decisions of Firms' R&D Activities

Clusters, Global Innovation Networks, and the Globalisation of Knowledge I

Date/Time: Wednesday 29/01/2020 1430 - 1610, Share 2

Chair: Ernest Miguelez - CNRS - GREThA University of Bordeaux, France

Sandro Montresor - Kore University of Enna, Italy Davide Castellani Giovanni Marin Antonello Zanfei	Unlocking the Green Door of Regional Development: The Role of MNEs in Greening Local Inventive Activities
Kerstin Schaefer - Institute of Economic and Cultural Geography Leibniz University of Hanover, Germany Stefan Hennemann Ingo Liefner	Give us ideas! - Splitting research and development to bridge lack of innovativeness
Vito Amendolagine - University of Bari, Italy Lucia Piscitello Roberta Rabellotti	Greenfield Investments or Acquisitions? How do Indian Multinationals Acquire Knowledge Investing in Global Cities

Innovation in Peripheral Regions I

Date/Time: Wednesday 29/01/2020 1430 - 1610, Confidence

Chair: David Fernandez Guerrero - Aalborg University, Denmark

Teemu Makkonen - University of Eastern Finland, Finland Rannveig Hjaltadóttir Timo Mitze	Inter-regional Innovation Cooperation and Structural Heterogeneity: Does being a Rural, or Border Region, or Both, Make a Difference?
Sandrine Noblet - University of Corsica, UMR CNRS LISA 6240, France Antoine Belgodere	Geography of Inventors' Collaborations and the Nature of Knowledge
Lukas Vonnahme - Leibniz Institute for Regional Geography, Germany	Peripheral but Global: Knowledge Creation and Innovation of Firms Located Outside of Agglomerations in Germany
Rannveig Edda Hjaltadóttir - University of Luxembourg, Luxembourg	Innovation-cooperation and Proximity: Partner Selection across the Danish-German Border

Innovation Policy for Regions and Countries I

Date/Time: Wednesday 29/01/2020 1430 - 1610, Concentrate

Chair: Nina Hjertvikrem - University of Stavanger, Norway

Corinne Autant-Bernard - University of Saint-Etienne, France Alain N'Gauran	Structural Effects of Cluster Policies: Evidence from France
Holger Graf - Friedrich-Schiller University Jena, Germany Tom Broekel	A Shot in the Dark? Policy Influence on Cluster Networks
Yu-Chia Ko - National Chengchi University, Taiwan, China Wu-Long Jhuang	Social Acceptance and Environmental Impacts of Renewable Energy Projects in Taiwan: Evidence from the Institutions of Offshore Wind Farm Establishment
Markus Bugge - TIK Centre for Technology Information and Culture, University of Oslo	Multi-scalar Directionality in Mission-oriented Innovation Policies – A Ferrytale from Green Maritime

Knowledge Complexity I

Date/Time: Wednesday 29/01/2020 1430 - 1610, Attention
Chair: Pierre-Alexandre Balland - URU - Utrecht University, The Netherlands

Silje Haus-Reve - NORCE and Centre for Innovation Research, Norway Tom Broekel Rune Dahl Fitjar Louis Knüpling	Smart specialization in skills: Skill-complexity and skill-relatedness of Norwegian regions
Nico Pintar - AIT Austrian Institute of Technology, Austria Thomas Scherngell	The complexity of European regional knowledge production: A comparison of two complexity measures
Daniela Maggioni - Università Ca' Foscari Venezia, Italy Alessia Lo Turco	The Task Content of Production Complexity

The Role of the State in the New Generation of Innovation: A Multi-scalar Perspective I

Date/Time: Wednesday 29/01/2020 1430 - 1610, Initiative
Chair: Robert Hassink - Kiel University, Germany

Elvira Uyarra - Manchester Business School, United Kingdom Kieron Flanagan	Multi-level institutional work in industry emergence – the case of UAV technology in Galicia
Suyash Jolly, Sweden Markus Steen Teis Hansen Samson Afewerki	Regional industrial path development, multi-level policy mixes, and renewable energy deployment: offshore wind energy development in Syddanmark (Denmark) and Normandy (France)
Margunn Anestad - University of Agder, Norway	Transformational digitalization of public health services as a multi-actor and multi-level process
Korneliusz Pylak - Maria Curie-Skłodowska University, Poland	The role of the state in generating new innovative industries and diversification: Ninety years of evidence from different economic systems

Geography and Intangibles

Date/Time: Wednesday 29/01/2020 1430 - 1610, Energy Hall 1
Chair: Valentina Meliciani - University LUISS Guido Carli, Italy

Alexander Jaax - OECD, France Sébastien Miroudot Charles Cadestin	Intangible Capital in GVCs: Insights from a New OECD Database
Valentina Meliciani - University LUISS Guido Carli, Italy Cecilia Jona-Lasinio	Global Value Chains and Productivity Growth in Advanced Economies: Does Intangible Capital Matter?
Fulvio Castellacci - University of Oslo, Norway	E-skills and Green Diversification in European Regions

Spatial Dynamics of Innovation Networks

Date/Time: Wednesday 29/01/2020 1430 - 1610, Bouvet
Chair: Jerome Vicente - IEP/LEREPS - University of Toulouse Capitole, France

Helder Santos - CEGOT - FLUP, Portugal Teresa Marques	Translation in action: the Hospitals as Nodes of the Portuguese Scientific and Innovation Network System - Characteristics, Dynamics and Multidimensional Proximity
Rhoda Ahoba-Sam - University of Lincoln David Charles	Perceptions of tie importance and evolution of academics' networks
Bogang Jun - Inha University, Korea, Republic of Flavio Pinheiro Tobias Buchmann Seung-Kyu Yi César Hidalgo	Meet me in the middle: The reunification of Germany's research network

Ocean Space Innovation

Date/Time: Wednesday 29/01/2020 1430 - 1610, Focus
Chair: Ragnar Tveterås - University of Stavanger, Norway

Frank Asche - University of Florida, United States Taryn Garlock James Anderson Trond Bjørndal Ganesh Kumar Martin Smith Ragnar Tveterås Kai Lorenzen Andrew Ropicki	A Global Blue Revolution: Aquaculture Growth across Regions, Species, and Countries
Bård Misund - University of Stavanger, Norway Petter Osmundsen Ragnar Tveterås	Sustainable growth, government policies and taxes in aquaculture
Ragnar Tveterås - University of Stavanger, Norway Kine Mari Karlisen Roy Robertson Eirik Mikkelsen	Sustainability challenges and innovation strategies in aquaculture
Ruth Beatriz Mezzali Pincinato - University of Stavanger, Norway Frank Asche	Production loss factors in fish farming
Heidi Wiig - BI-Norwegian Business School, Norway Siri Granum Carson Bernt Aarseth	Lost in translation? Sustainability and the Norwegian salmon farming industry

Coffee/Energy Break

Date/Time: Wednesday 29/01/2020 1610 - 1630

Universities and the Geography of Innovation II

Date/Time: Wednesday 29/01/2020 1630 - 1810, Energy Hall 3
Chair: Artur da Rosa Pires - University of Aveiro, Portugal

Utku Ali Rıza Alpaydin - University of Stavanger, Norway Rune Dahl Fitjar	What Do University-Industry Interactions Deliver?: A Broader Perspective on Outputs
Manuel Romagnoli - LUISS University, Italy Valentina Meliciani	The Contribution of University-firms collaborations for innovations in shaping the local technological evolution
Sergio Andrés Manrique Garzón - Universitat Autònoma de Barcelona, Spain Emili Grifell-Tatjé	Assessing the Impact of University-Firm Collaboration on Innovation-related Financial Performance
Tamás Sebestyén - University of Pécs, Hungary László Varga Attila Varga	University-industry research collaboration in leading and lagging regions of Europe - a descriptive analysis

Clusters, Industrial Districts and Regional Innovation Systems II

Date/Time: Wednesday 29/01/2020 1630 - 1810, Opportunity
Chair: John-Erik Rørheim - University of Stavanger, Norway

Cilem Selin Hazir - Leibniz Institute of Ecological & Regional Development, Germany	Structural Holes in Temporary Team Networks in Clusters: Origins and Impact on Team's Innovation Performance
Jacopo Canello - University of Groningen, United States Francesco Vidoli	Formal Cooperation and Knowledge Diffusion in Industrial Districts: The Role of Strategic Alliances
Gianluca Capone - University of Parma, Italy Andrea Morrison	Spinoffs and Parents in Clusters: Evidence from the Italian Motorcycle Industry
Davide Vurchio - University of Milan Nicola Daniele Coniglio	Do Clusters Promote Radical Changes and Economic Growth? New Evidence from Italy

MNCs, Global Production Networks and Knowledge Spillovers II

Date/Time: Wednesday 29/01/2020 1630 - 1810, Share 1

Chair: Martin Henning - University of Gothenburg, Sweden

Patrizia Casadei - London School of Economics, United Kingdom Simona Iammarino	The changing geography of production networks in the textile and apparel value chain: survey evidence from UK firms
Alireza Naghavi - University of Bologna, Italy Stefano Bolatto Gianmarco Ottaviano Katja Zajc Kejzar	Intellectual Property and the Organization of the Global Value Chain
Trond Nilsen - Inland Norway University of Applied Sciences, Norway	Understanding the Organizational Configuration of Supply Chains in Global Production Networks
Andrea Ascani - Utrecht University, The Netherlands Luca Bettarelli Laura Resmini Pierre-Alexandre Balland	The sources of innovation: global networks versus local specialization

Clusters, Global Innovation Networks, and the Globalisation of Knowledge II

Date/Time: Wednesday 29/01/2020 1630 - 1810, Share 2

Chair: Sverre Herstad - University of Oslo, Norway

Ernest Miguelez - CNRS - GREThA University of Bordeaux, France Julio Raffo Christian Chacua Massimiliano Coda-Zabetta Deyun Yin Francesco Lissoni Gianluca Tarasconi	Mapping the Global Network of Innovation Clusters
Heidi Wiig - BI-Norwegian Business School, Norway Ju Liu Elena Zukauskaitė	Global Knowledge Sourcing in a Digitalized World. Case Studies of ICT and New Media Firms in Oslo, Malmö and Beijing
Manuel Molina Vogelsang - Fraunhofer Center for International Management and Knowledge Economy IMW, Germany Benjamin Klement	Assessing Complementarities in International R&D Networks: Does Relatedness Matter for the Design of International Innovation Policies?
Laszlo Lorincz - Centre for Economics and Regional Studies, Hungarian Academy of Sciences Guilherme Kenjy Chihaya Da Silva Aniko Hannak David Takacs Balazs Lengel Rikard H. Eriksson	Local vs Global Networks of Workers and the Relatedness of their Skills

Innovation in Peripheral Regions II

Date/Time: Wednesday 29/01/2020 1630 - 1810, Confidence

Chair: Teemu Makkonen - University of Eastern Finland, Finland

David Fernandez Guerrero - Aalborg University, Denmark	How SME-university Collaboration for Innovation Starts, and Unfolds, in Peripheral Regions: A Matter of Signals from Foreign Customers and Competitors?
Geoffroy Labrousse - University of Toulouse Rachel Levy	Are Small Towns a Good Place for SMEs to Innovate? The Case of 15 Agrifood Innovations in Southwestern France
Giulio Cainelli - University of Padova, Italy Chiara Burlina Annunziata de Felice Roberto Grandinetti	Do Knowledge Spillovers Really Matter for Innovation? Evidence from Europe
Hanna Martin - University of Gothenburg, Sweden Roman Martin	The Role of Demand in Regional Transformation - Examples from the Swedish Periphery

Innovation Policy for Regions and Countries II

Date/Time: Wednesday 29/01/2020 1630 - 1810, Concentrate

Chair: Corinne Autant-Bernard - University of Saint-Etienne, France

Lars Mewes - Leibniz University Hanover, Germany Tom Broekel	Subsidized to Change? Analyzing the Impact of R&D Policy on Regional Diversification
Diego D'Adda - Università Politecnica delle Marche, Italy Donato Iacobucci Francesco Perugini Roberto Palloni	What is "Connectivity"? Measuring the Regional Collaboration Potential within the Smart Specialisation Strategy
Seija Virkkala - University of Vaasa, Finland Antti Mäenpää Åge Mariussen	Revealing the Innovation Potential in Baltic Sea Region – Learning among Regions on Smart Specialisation
Beata Bal-Domańska - Wrocław University of Economics, Poland Elzbieta Sobczak Elzbieta Stańczyk	The Identification of Smart Specialisation in Polish Voivodships using Statistical Analysis

Knowledge Complexity II

Date/Time: Wednesday 29/01/2020 1630 - 1810, Attention

Chair: Saeed Moghadam Saman - University of Stavanger, Norway

Marcel Bednarz - University of Stavanger Business School, Norway	The spatial diffusion of simple and complex technologies
Jessica Salmon - Siena College, United States John Cantwell Lucia Piscitello	ICT Driven Divergence of Knowledge Complexity and Location Complexity
Tom Broekel - University of Stavanger Business School, Norway Lars Mewes	The long-term evolution of technological complexity and its relation with economic growth

The Role of the State in the New Generation of Innovation: A Multi-scalar Perspective II

Date/Time: Wednesday 29/01/2020 1630 - 1810, Initiative

Chair: Huiwen Gong - Kiel University, Germany

Stig-Erik Jakobsen - Western Norway University of Applied Sciences, Norway Arnt Fløysand Rune Njøs	The role of policy in transformation of industrially specialized regions
Robert Hassink - Kiel University, Germany Huiwen Gong	Towards mission-oriented regional innovation policy?
Markus Steen - SINTEF Technology and Society Håkon Finne Eli F. Ullern Teis Hansen Markus Bugge	Policy mixes for regional green growth
Huong Nguyen - Universitat Autònoma de Barcelona, Spain	Overcoming interaction barriers for public sector innovation: reflections from local governments in Denmark

What Role does the Bioeconomy Play in the Transformation of Regions Towards Sustainable Development?

Date/Time: Wednesday 29/01/2020 1630 - 1810, Focus

Chair: Suyash Jolly, Sweden

David Ayrapetyan - Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Germany Frans Hermans	Embedding sustainability of bioeconomy clusters into a multiscale framework
Ram Kamath - Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Germany Frans Hermans Eloia Aitziber	From bioclusters to the bioeconomy: how agency, place- and path dependency shaped the sustainability-transition of the Basque pulp and paper biocluster
Milad Abbasiharofteh - Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Germany	Driving forces of invention in European bioclusters
Frans Hermans - Leibniz-Institut für Agrarentwicklung in Transformationsökonomien (IAMO), Germany David Ayrapetyan Ram Kamath Kerstin Wilde Milad Abbasiharofteh	Towards a typology of bioclusters
Leonard Prochaska - University of Greifswald Daniel Schiller	The transition of innovation policy from biotechnology to bioeconomy at the regional level – A comparison of first movers, followers, and latecomers in Germany

The Dark Side of Innovation in Times of Shifting Technological Paradigm

Date/Time: Wednesday 29/01/2020 1630 - 1810, Energy Hall 1

Chair: Elisa Giuliani - University of Pisa, Italy

Davide Consoli - INGENIO(CSIC-UPV), Universitat Politècnica de València, Spain	Green employment, innovation and income distribution
Elisa Giuliani - University of Pisa, Italy	Companies love innovation, but does the planet love it too?
Chantale Tippet - NESTA, United Kingdom Juan Mateos-Garcia	The complex economic geography of AI, and its risks
Simona Iammarino - London School of Economics, United Kingdom	The Dark Side of Innovation: Technological Change and Conflict Minerals in a Shifting Industrial Landscape
Maria Savona - SPRU, University of Sussex, United Kingdom	The value of data. Towards a framework to redistribute it

Buses to the reception will depart the conference venue at 18.45

Date/Time: Wednesday 29/01/2020 1845

Reception

Date/Time: Wednesday 29/01/2020 1900 - 2030, Arkeologisk Museum

	The Reception will take place from 19.00pm at Arkeologisk Museum, Peder Klows gate 30A, Stavanger
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Registration

Date/Time: Thursday 30/01/2020 0800 - 0900

Keynote Session: Universities and the Geography of Innovation

Date/Time: Thursday 30/01/2020 0900 - 1030, Energy Hall

Chair: Rune Dahl Fitjar - University of Stavanger, Norway

Meric Gertler - University of Toronto, Canada	Curating Local Innovation Ecosystems: The Evolving Role of Universities
Shiri M. Breznitz - University of Toronto, Canada	Entrepreneurship and the University: Old wine in a new bottle?

Coffee/Energy Break (Sponsored by RSA)

Date/Time: Thursday 30/01/2020 1030 - 1050, Refreshment Break

Universities and the Geography of Innovation III

Date/Time: Thursday 30/01/2020 1050 - 1230, Energy Hall 3

Chair: Frank Neffke - Harvard University, United States

Randi Elizabeth Tøxt - University of Bergen, Norway Inger Beate Pettersen Øystein Støvø Høvig	The entrepreneurial role of TTO innovation leaders in the teams of academic spin-offs
Kwadwo Atta-Owusu - University of Stavanger, Norway Rune Dahl Fitjar	Promoting engagement: effect of individual motivation, organizational fairness and place attachment on academics' interaction with external actors
Daniel Prokop - Cardiff University, United Kingdom Robert Huggins Gillian Bristow	The success of spinout companies in university networks: the processes of connectedness and filtration

OECD Policy Session: Innovation Diffusion, Industrial Landscape and Spatial Productivity

Date/Time: Thursday 30/01/2020 1050 - 1230, Opportunity

Chair: Alexandra Tsvetkova - OECD, France

Elvira Uyarra - Manchester Business School, United Kingdom	
Laura Pedron - Autonomous Province of Trento Labour Agency, Italy	
Alessandra Faggian - GSSI - Gran Sasso Science Institute	
Kjartan Lindland - Rogaland County Council, Norway	

Green and Sustainable Innovation I

Date/Time: Thursday 30/01/2020 1050 - 1230, Share 1

Chair: Roberta Rabellotti - University of Pavia & University of Aalborg, Italy

Anne Tanner - Technical University of Denmark Eun Kyung Park Francesco Rosati Eric Iversen Christian Richter Østergaard	Regional Mechanisms of Diversifying into Green Technologies: Which Factors Influence Start-up and Incumbent Driven Green Diversification
Allan Andersen - TIK, University of Oslo, Norway Markus Bugge Markus Steen	Cross-sectoral Dynamics for Accelerating Sustainability Transitions: The Case of Electrifying Maritime Transport
Jens Horbach - Augsburg University of Applied Science, Germany	The Importance of Regional Spill-over Effects for Eco-Innovations in German Start-ups
Sebastian Losacker - University of Hanover, Germany Ingo Liefer	Environmental Innovation and Regional Lead Markets

Mobility of Workers, Relatedness and the Geography of Innovation I

Date/Time: Thursday 30/01/2020 1050 - 1230, Focus

Chair: Neave O'Clery - University College London, United Kingdom

César Hidalgo - Artificial and Natural Intelligence Toulouse Institute (ANITI), France Bogang Jun Edward Glaeser Cristian Jara-Figueroa	The role of industry-specific, occupation-specific, and location-specific knowledge in the growth and survival of new firms
Ritu George Kaliaden - Leibniz Institute of Ecological Urban and Regional Development (IOER)	Spatial practices of leisure among highly skilled migrants in peripheral cities: preliminary overview of literature and gaps
Jeroen Content - PBL Netherlands Environmental Assessment Agency, The Netherlands Anet Weterings Mark Thissen Koën Frenken	Which value chain networks matter most for regional industrial path development?
Rosina Moreno - University of Barcelona - AQR, Spain Ron Boschma Ernest Miguelez Diego Ocampo	Breakthrough Patents and Technological Relatedness

Innovation and Regional Economic Development I

Date/Time: Thursday 30/01/2020 1050 - 1230, Confidence

Chair: Arne Isaksen - University of Agder, Norway

d'Arts Kanacs - European Commission, Joint Research Centre, Belgium Olga Ivanova Mark Thissen	European Institute of Innovation and Technology (EIT) Investment Impacts on the Regional Economic Growth: EU Economic Modelling System
Inga Ivanova - Institute for Statistical Studies and Economics of Knowledge, National Research University Higher Sc, Russia Loet Leydesdorff	The Relation between Complexity and Synergy in the Case of China: How to Predict GDP in a Complex and Adaptive System?
Gloria Cicerone - GSSI - Gran Sasso Science Institute, Italy Roberto Basile Lelio Iapadre	Economic Complexity and Regional Labor Productivity Growth: Evidence from Italy
Daniel Straulino - University of Oxford, United Kingdom Neave O'Clery Sid Ravinutala Eduardo Lora	Inferring Crop Similarity via Machine Learning

Innovation Policy for Regions and Countries III

Date/Time: Thursday 30/01/2020 1050 - 1230, Concentrate

Chair: Lars Mewes - Leibniz University Hanover, Germany

Ron Boschma - Utrecht University, The Netherlands Pierre-Alexandre Balland	The Impact of Inter-regional Linkages on Regional Diversification in the EU in the Context of Smart Specialization
Stefano Basilico - Friedrich-Schiller University Jena, Germany Uwe Cantner Holger Graf	Policy Influence in the Knowledge Space: a Regional Application
Nina Hjertvikrem - University of Stavanger, Norway	The Evolution of a Government Funded Network
Attila Varga - University of Pecs, Hungary Norbert Szabó Tamás Sebestyén	Economic Impact Estimation of Smart Specialization Policy

Proximity and Innovation I

Date/Time: Thursday 30/01/2020 1050 - 1230, Attention

Chair: Martina Neuländtner - AIT Austrian Institute of Technology, Austria

Sarah Franz - University of Gothenburg, Sweden	Proximity dynamics: Informing the process of business model innovation in Asian emerging markets
Fabio Montobbio	Geographical distance puzzle in patent citations: intensive versus extensive margins
Emil Evenhuis - PBL - Netherlands Environmental Assessment Agency, United Kingdom Richard Harris John Moffat Ron Martin Andy Pike Peter Sunley	The Effect of Spatial Proximity on R&D and Innovation: Evidence from British Advanced Manufacturing

The Evolution of Technology I

Date/Time: Thursday 30/01/2020 1050 - 1230, Share 2

Chair: Tom Broekel - University of Stavanger Business School, Norway

Adam Whittle - University College Dublin, Ireland Baláz Lengyel Dieter Kogler	Understanding Regional Branching Using Inventor Collaboration Networks
Louis Knüpling - Leibniz Universität Hannover, Germany	Knowledge Spaces and the Measurement of Technological Relationship
Koen Frenken - Copernicus Institute of Sustainable Development, Utrecht University, The Netherlands Alje Van Dam	Probing Policy with Percolation: Towards a Theoretical Model of Related Diversification
Dario Diodato - Harvard University, United States Andrea Morrison	Technological regimes and the geography of innovation: a long-run perspective on US inventions

The Uneven Geography of Innovation I

Date/Time: Thursday 30/01/2020 1050 - 1230, Initiative

Chair: Andrés Rodríguez-Pose - London School of Economics, United Kingdom

Francesco Quatraro - University of Torino, Italy Davide Consoli Fabrizio Fusillo	Resilience, Skill Endowment and Diversity: Evidence from US Metropolitan Areas
Pierre-Alexandre Baland - URU - Utrecht University, The Netherlands	Complex economic activities concentrate in large cities
Joan Crespo - Universitat Jaume I de Castelló, Spain Jesús Peiró Pierre-Alexander Baland	Concentration and dispersion of technological innovation in the long-run (1860-2010): the case of American cities
Michael Fritsch - Friedrich-Schiller-University Jena, Germany Michael Wyrwich	Is Innovation (increasingly) concentrated in Large Cities? An international comparison

Work-life, Digitisation and Automation

Date/Time: Thursday 30/01/2020 1050 - 1230, Energy Hall 1

Chair: Bjorn Asheim - University of Stavanger, Norway

Jacob Rubæk Holm - Aalborg University, Denmark Edward Lorenz Allan Næs Gjerding Jørgen Stamhus	Why local firms adopt new technologies: How regional institutional differences and differences in industry structure condition the adoption of new technology by local firms
Laszlo Czaller - Institute of Economics, Hungarian Academy of Sciences Balazs Lengyel Rikard Eriksson Hyejin Youn	Automation, structural change and labor mobility
Teresa Farinha - Utrecht University, The Netherlands	Your neighbours determine your employability: Epidemic modeling of job automaton in U.S. cities

Responsible Innovation, Social Innovation and Inclusive Growth I

Date/Time: Thursday 30/01/2020 1050 - 1230, Bouvet

Chair: Huong Nguyen - Universitat Autònoma de Barcelona, Spain

Raj Kumar Thapa - University of Stavanger / GenØK, Norway Tatiana Jakovleva Paul Benneworth	Responsible Regional innovation Policy in an age of digitalisation: Reflection from Regional Care Technology Clusters
José Antonio Belso Martínez - University Miguel Hernández, Spain Isabel Diéz-Vial	Social innovation and corporate responsibility in mature clusters: the role leading firms in globalized countries
David Bole - ZRC SAZU, Slovenia Jani Kozina Jernej Tiran	Industrial culture as an agent of social innovations in industrial towns. Case study of Velenje, Slovenia

Lunch

Date/Time: Thursday 30/01/2020 1230 - 1330

Universities and the Geography of Innovation IV

Date/Time: Thursday 30/01/2020 1330 - 1510, Energy Hall 3

Chair: Paul Benneworth - Western Norway University of Applied Sciences, Norway

Martin Falk - Austrian Institute of Economic Research, Austria Eva Hagsten	Potential of European universities as Marie Curie grantee hosts
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Chiara Marzocchi - MIOIR - University of Manchester, United Kingdom Fumi Kitagawa Mabel Sánchez-Barrioluengo Elvira Uyarra	Graduate (entrepreneurial) retention in the regional context: institutional and territorial dynamics for anchoring talent
Gerwin Evers - Aalborg University, Denmark	Universities' teaching mission and regional industries: a relatedness story?
Eloïse Germain-Alamartine - Linköping University, Sweden Rhoda Ahoba-Sam Gerwin Evers Saeed Moghadam-Saman	Doctorate Holders' Transition to Industry: Networks as a Mechanism? Cases from Norway, Sweden and the U.K.

OECD Policy Session: Towards a Broad-based Innovation Policy for Regions and Cities

Date/Time: Thursday 30/01/2020 1330 - 1510, Opportunity

Chair: Rudiger Ahrend - OECD, France

Ron Boschma - Utrecht University, The Netherlands	
Anna-Maria Sunnamark - Nordic Innovation, Norway	
Denisa Perrin - European Commission, Belgium	
Kari Holmefjord Vervik - Innovation Norway, Norway	

Green and Sustainable Innovation II

Date/Time: Thursday 30/01/2020 1330 - 1510, Share 1

Chair: Allan Andersen - TIK, University of Oslo, Norway

Simon Nadel - Lille University - Clerse, France Danielle Galliano Pierre Triboulet	The Geography of Eco-Innovation: Evidence from French Industrial Firms
Claudia Ghisetti - Catholic University of Milan, Italy Sandro Montresor Antonio Vezzani	Design and Innovation: does the "green-matching" Actually Help?
Wenjing Kuai - University of Birmingham, United Kingdom Robert Elliott David Maddison Ceren Ozgen	Do Eco-innovators Hire more Green Workers? Firm Level Evidence from the Netherlands
Robert Elliott - University of Birmingham, United Kingdom Liza Jabbour Zhoukan Zhou	Is Sharing Caring? R&D and the Collaborative Nature of Eco-innovation

Mobility of Workers, Relatedness and the Geography of Innovation II

Date/Time: Thursday 30/01/2020 1330 - 1510, Focus

Chair: César Hidalgo - Artificial and Natural Intelligence Toulouse Institute (ANITI), France

Ngoc Han Nguyen - Hasselt University, Belgium Rene Belderbos Mark Vancauteren Bart Leten	Multinational Firms and the Quest for Global Talent: Hiring (Skilled) Foreign Workers at Home or Abroad?
Sverre Herstad - University of Oslo, Norway Marte Cecilie Wilhelmsen Solheim	Open for innovation: The role of diverse human resources
Ole Bergesen - University of Stavanger, Norway Yuko Onozaka Venke Furre Haaland	Worker Mobility and Innovation
Ariana Costa - Federal University of São Carlos, Brazil Renato Garcia José de Salles Roselino José César Cruz Júnior	Innovation in Brazil: The Impact of Mobility of Workers

Innovation and Regional Economic Development II

Date/Time: Thursday 30/01/2020 1330 - 1510, Confidence

Chair: David Charles - Northumbria University, United Kingdom

Antonio Vezzani - Roma Tre University, Italy Andrea Filippetti Petros Gkotsis Antonio Zinilli	Are Innovative Regions more Resilient? Evidence from Europe in 2008-2016
Colin Wessendorf - University of Bremen, Germany Alexander Kopka Dirk Fornahl	The Integration of Key Enabling Technologies (KETs) in Regional Technological Spaces
Arne Isaksen - University of Agder, Norway Emelle Langemyr Eriksen	The Emergence of New Industries. Aligning Firm-level and System-level Asset Modification

Innovation Policy for Regions and Countries IV

Date/Time: Thursday 30/01/2020 1330 - 1510, Concentrate

Chair: Ridvan Cinar - University of Aveiro, Portugal

Andrés Rodríguez-Pose - London School of Economics, United Kingdom Jose-Luis Hervás-Oliver Davide Parrilli Francisca Sempere	Regional Innovation and Regional Policy for SMEs in Europe: Are we talking about the same?
Anna Dabrowska - University of Warsaw, Poland	Moving Towards Innovation - the Europeanization of Regional Policy in Poland
Elisa Thomas - Universitet i Stavanger Nadja Nording Rhannon Pugh	Regional Economic Development through Openness and Participation – Designing Participatory Enterprise Policy in Six Finnish City-regions
Giacomo Damioli - Joint Research Center, European Commission, Spain Daniel Vértessy Davide Castellani	Supranational Blocs and Location of Knowledge-Intensive Foreign Investments at the City-Level

Proximity and Innovation II

Date/Time: Thursday 30/01/2020 1330 - 1510, Attention

Chair: Anne Plunket - Université Paris Sud, France

Anne Plunket - Université Paris Sud, France	Variety, dissimilarity and recombinant novelty: the interplay between local and extra-regional inventor networks
Carlo Corradini - Birmingham Business School, University of Birmingham, United Kingdom	Path dependency, relatedness and the dynamics of new firm creation in the UK
Sara Johansson - Jönköping International Business School Lina Bjerke	Does the local milieu matter for firm innovation?
Suelene Mascarini - University of Campinas, Brazil Renato Garcia Ariana Ribeiro Veneziano Araujo Emerson Gomes dos Santos	The effects of Related and Unrelated Variety on the Types of Regional Innovation – an analysis for Brazilian regions

The Evolution of Technology II

Date/Time: Thursday 30/01/2020 1330 - 1510, Share 2

Chair: Koen Frenken - Copernicus Institute of Sustainable Development, Utrecht University, The Netherlands

Dieter Kogler - University College Dublin, Ireland Lee Changjun Ron Boschma	The Evolutionary Process of Knowledge Recombination: Regional Entropy Complemented by Density and Relatedness
Maria Tsouri - TIK Centre for Technology Innovation and Culture, University of Oslo, Norway Teis Hansen Jens Hanson Markus Steen	Recombination of Knowledge for Emerging Technological Innovations: The Case of Green Shipping
Sándor Juhász - ANET Lab, Hungarian Academy of Sciences, Hungary Tom Broekel Ron Boschma	Explaining dynamics of relatedness: the role of co-location, complexity and collaboration
Silvia Rocchetta - University College Dublin, Ireland Andrea Mina Dieter Kogler Gianluca Pallante	Technological diversification, employment and the business cycle: An impulse response function approach

The Uneven Geography of Innovation II

Date/Time: Thursday 30/01/2020 1330 - 1510, Initiative

Chair: Michael Fritsch - Friedrich-Schiller-University Jena, Germany

Andrea Ferloni - Université de Lausanne (UNIL), Switzerland	Socio-technical transitions as a coevolutionary process: the role of space in the emergence of electric vehicle inventions
Felipe Starosta de Waldemar - RITM - Univ. Paris-Sud, Université Paris-Saclay, France Anne Plunket	Novelty and Relatedness: a Recombinant Approach
Simone Maria Grabner - Gran Sasso Science Institute, Italy	Relatedness and Connectivity as Drivers of Regional Diversification in the United States
Francesca Ghinami - GSSI-UAB, Italy	Beyond geography: the role of proximities on Venture Capital investments in innovative start-up companies

The Geography of Innovation in the Energy Industry

Date/Time: Thursday 30/01/2020 1330 - 1510, Bouvet

Chair: Silje Haus-Reve - NORCE and Centre for Innovation Research, Norway

Diego Ocampo-Corrales - University of Barcelona, Spain Rosina Moreno Jordi Suriñach	Where does inventors get inspiration? The role of different sources of knowledge for innovating in renewable energies
Hasan Hamdan - NTNU, Norway	Strategies promoting process innovation in sustainable neighborhood (SN) projects
Xiao-Shan Yap - Eawag, Switzerland Bernhard Truffer Deyu Lee Gaston Heimeriks	From knowledge-based to valuation oriented catching-up China's recent shift in global positioning in the solar photovoltaic industry

Innovation and the Foundational Economy: A New Model of Place-based Development?

Date/Time: Thursday 30/01/2020 1330 - 1510, Energy Hall 1

Chair: Lars Coenen - University of Melbourne, Australia

Pedro Marques - INGENIO, United Kingdom Kevin Morgan	Questioning Regional Development Approaches in a Context of Heightened Territorial Inequalities
Jesper Manniche - Centre for Regional and Tourism Research, Denmark Nino Javakhishvili	The Composition, Geography and Economic/Non-economic Roles of the Foundational Economy in Denmark
Bruce Wilson - European Union Centre at RMIT, Australia Lars Coenen Leo Goedegebuure Emma Shortis	The Foundational Economy and Smart Specialisation: Contradictory or Coherent Approaches to Regional Development?
Teis Hansen - Lund University, Sweden	The Foundational Economy and Regional Development

Coffee Break

Date/Time: Thursday 30/01/2020 1510 - 1525

Universities and the Geography of Innovation V

Date/Time: Thursday 30/01/2020 1525 - 1705, Energy Hall 3

Chair: Rhoda Ahoba-Sam - University of Lincoln

Christian Richter Østergaard - Aalborg University, Denmark Ina Drejer	Promoting University-Industry Collaboration on Innovation: Evidence from Denmark 2006-2016
Claudio Fassio - Lund University, Sweden Aldo Geuna Federica Rossi	International knowledge flows between industry inventors and universities: The role of multinational companies
Renato Garcia - Institute of Economics - University of Campinas, Brazil Emerson Gomes dos Santos Veneziano Araujo Suelene Mascarini Ariana Costa	The role of spatial and non-spatial proximity in fostering university-industry collaboration

Creative Industry Clusters, Innovation and Policy I

Date/Time: Thursday 30/01/2020 1525 - 1705, Opportunity

Chair: Max Nathan - Bartlett School of Planning, University College London, United Kingdom

Max Nathan - Bartlett School of Planning, University College London, United Kingdom Tasos Kitsos Massimiliano Nuccio Diana Gutierrez Posada	Do Creative Industries Generate Multiplier Effects? Evidence from UK Cities, 1997-2018
Patrick Adler - Rotman School of management, University of Toronto, Canada	Agglomeration in the Post-Spotify Music Industry: A Study of Festival Artists
Atle Hauge - Inland Norway University of Applied Sciences Birgitta Ericsson Per Kristian Aines	Innovation and Profit in Cultural and Creative Industries
Josh Siepel - SPRU, University of Sussex Roberto Camerani Monica Masucci Martha Bloom Juan Mateos Garcia Alex Bishop	Mapping Innovation in UK Creative Industries: Initial Findings from the FUSE+ Project

Green and Sustainable Innovation III

Date/Time: Thursday 30/01/2020 1525 - 1705, Share 1

Chair: Stig-Erik Jakobsen - Western Norway University of Applied Sciences, Norway

Valeria Costantini - Roma Tre University, Italy Federica Cappelli Davide Consoli Caterina Conigliani Elena Pagliarunga Giorgia Sforza Ketil Lelo	Climate Change and Armed Conflicts in Africa: A Local Perspective through the Lens of the Agricultural Channel
François Perruchas - INGENIO(CSIC-UPV), Universitat Politècnica de València Lorenzo Napolitano Angelica Sbardella Davide Consoli Nicolò Barbieri	Green Innovation and Income Inequality: A Complex System Analysis
Colin Nolden - University of Oxford, United Kingdom	Collecting Silences for Degrowth Markets
Roberta Rabbellotti - University of Pavia & University of Aalborg, Italy Lena Rasmus Vito Amendolagine	Green FDI and Green Technologies: An Empirical Investigation

Mobility of Workers, Relatedness and the Geography of Innovation III

Date/Time: Thursday 30/01/2020 1525 - 1705, Focus

Chair: Rosina Moreno - University of Barcelona - AQR, Spain

Neave O'Clery - University College London, United Kingdom Steven Kinsella Eoin Flaherty Daniel Straulino Mattie Landman	Modular structure in labour flow networks
Balazs Lengyel - Hungarian Academy of Sciences, Hungary László Lőrincz Guilherme Kenji Chihaya da Silva Anikó Hannák Rikard Eriksson	Co-worker networks and wage dynamics in firms
Zoltán Elekcs - Centre for Economic and Regional Studies, Hungary Anna Baranowska-Rataj Rikard Eriksson	When is it possible to escape from low-wage jobs? The role of co-worker networks
Mattie Landman - University of Oxford, United Kingdom Neave O'Clery	The impact of the BBBEE policy on gendered labour mobility and the gendered wage-gap in South Africa

Innovation and Regional Economic Development III

Date/Time: Thursday 30/01/2020 1525 - 1705, Confidence

Chair: Thomas Kemeny - Queen Mary, University of London, United Kingdom

Simon Baumgartinger-Seiringer - University of Vienna, Austria Michaela Tripl Alexandra Frangenheim	Inter-path Dynamics, Regional Restructuring and Innovation Policy: Exploring Avenues for Future Research
Silvia Nunez - Banco de Mexico, Mexico Neave O'Clery	Regional and Industrial Automation and Routinization in Mexico: A Networks Perspective
Eri Yamada - Nagoya City University, Japan Tetsu Kawakami Pierre-Alexandre Balland Jiro Nemoto	The Dynamics of Product Space: Evidence from the Japanese Auto-parts Industry
Artur Santoalha - University of Oslo (Centre for Technology Innovation and Culture), Norway	The Role of Technological Diversification and Relatedness in Economic Growth in European Regions

Innovation Policy for Regions and Countries V

Date/Time: Thursday 30/01/2020 1525 - 1705, Concentrate

Chair: Elisa Thomas - Universitet i Stavanger

Elena Tur - Eindhoven University of Technology, The Netherlands Emilio Raiteri Rudi Bekkers	Let's Divide this up Evenly? On the Randomness of Patent Assignment to Examiners at the USPTO
Dzamiła Bienkowska - Linköping University, Sweden Charlotte Norman	Inclusive Innovation Support to Inventors and Idea Owners – Leveraging Intermediaries for New Policy Purposes
Rainer Widmann - Max Planck Institute for Innovation and Competition, Germany	Immigrant Inventors and Local Income Taxes: Evidence from Swiss Municipalities
Tatjana Bennat - Leibniz Universität Hannover, Germany	How Top-executives Matter for Innovation Performance: CEO characteristics and measurement of innovation activities in SMEs.

Proximity and Innovation III

Date/Time: Thursday 30/01/2020 1525 - 1705, Attention

Chair: Utku Ali Riza Alpaydin - University of Stavanger, Norway

Adam Ploszaj - Centre for European Regional and Local Studies EUROREG, University of Warsaw, Poland Xiaoran Yan Katy Börner	The impact of air transport availability on research collaboration
Tausif Bordoloi - Manchester Institute of Innovation Research, University of Manchester, United Kingdom Philip Shapira Paul Mativenga	Adoption of Industry 4.0 and proximity dimensions: An empirical study of an English regional cluster
Martina Neuländtner - AIT Austrian Institute of Technology, Austria Thomas Scherngell	Geographical or Relational: What drives technology-specific R&D collaboration networks?
Henrik Basche - RWTH - Aachen, Germany	Determinants of cross-border co-patents: Empirical evidence from 41 European regions

The Evolution of Technology III

Date/Time: Thursday 30/01/2020 1525 - 1705, Share 2

Chair: Jason Deegan - University of Stavanger, Norway

Jacapo Staccioli - Università Cattolica del Sacro Cuore, Milan, Italy Marco Vivarelli Fabio Montobbio Maria Enrica Virgillito	Robotic patents and the origin of labour-saving technology
Jun Du - Aston University, United Kingdom Xiaocan Yuan	Path-breaking to innovate: The Internet of Things (IoT) technologies
Iris Wanzenböck - Copernicus Institute of Sustainable Development, Utrecht University, The Netherlands Silvia Rocchetta Dieter Kogler	Firm collaboration and knowledge networks as conduits for regional structural change
Gergo Toth - University College Dublin, Ireland Zoltan Elekes Adam Whittle Changjun Lee Dieter Kogler	Network Robustness: The role of technological structure to adapt to exogenous shocks

The Uneven Geography of Innovation III

Date/Time: Thursday 30/01/2020 1525 - 1705, Energy Hall 1

Chair: Francesco Quattraro - University of Torino, Italy

Paula Prenzel - Utrecht University, The Netherlands Niels Bosma Veronique Schutjens Erik Stam	Two faces of entrepreneurship: Drivers of innovative and replicative early-stage entrepreneurship
Georgios Tsiachtsiras - University of Barcelona, Spain	Who has really access? Railroads, Global Cities and Innovation in 19th Century France
Andrzej Sokolowski - Cracow University of Economics, Poland Małgorzata Markowska	Dynamic Cluster Analysis of Educated and Smart Society Development in European Union Countries

Moving Beyond Technology Transfer: Evaluating and Measuring the Knowledge Exchange Performance of Higher Education Institutions in the Spatial Context

Date/Time: Thursday 30/01/2020 1525 - 1705, Initiative

Chair: Elvira Uyarra - Manchester Business School, United Kingdom

Lisa Nieth - Regio Twente, The Netherlands Paul Benneworth	Regional Policy Implications of the Entrepreneurial University: Lessons from the ECIU
Martin Meyer - Birkbeck University of London, United Kingdom Mauthu de Silva Federica Rossi	Impact and Interdisciplinarity: Towards a framework of indicators
David Charles - Northumbria University, United Kingdom	Valuing and measuring university knowledge exchange activities in a regional context
Jos Van Den Broek - Rathenau Institute, The Netherlands Julia Jansen Sue-Yen Tjong Tjin Tai Jasper Deuten	Barriers, drivers and tensions in (local) government-HEI research collaboration for public sector agendas

Social Innovation in the global South: Theoretical and Empirical Insights into Actors, Processes and Impacts

Date/Time: Thursday 30/01/2020 1525 - 1705, Bouvet

Chair: Simone Strambach - Philipps University Marburg, Germany

Vincent Ogutu - Strathmore University, Kenya Jessica Salmon Paul Thurston	Factors that Influence Successful Global North and Global South International Social Innovation Engagement: A University-Nonprofit Collaboration Model
Silvia Rita Sedita - University of Padova, Italy Silvia Blasi Edoardo Bega	Mapping social entrepreneurship: main areas of interventions and country specificities
Stephen Momanyi - Philipps-Universität Marburg, Germany Simone Strambach	Hybrid Organizations in Global Value Chains: Their Contribution to Social Innovation. Insights from Impact Sourcing in Kenya

Coffee/Energy Break

Date/Time: Thursday 30/01/2020 1705 - 1720

Responsible Innovation, Social Innovation and Inclusive Growth II

Date/Time: Thursday 30/01/2020 1720 - 1900, Share 1

Chair: Liliana Fonseca - Universidade de Aveiro, Portugal

Ulrich Elmer Hansen - UNEP DTU Partnership, Technical University of Denmark, Denmark Ivan Nygaard	The dark side of the sun: avoiding a solar waste crisis
Gianluca Biggi - University of Pisa, Italy Elisa Giuliani Arianna Martinelli	What is boiling in the pot? On the patent toxicity of globally banned Chemical
David Grover - Grenoble Ecole de Management, France Ben Daniels	Social equity issues in the distribution of feed-in tariff policy benefits: A panel analysis from England and Wales using spatial census and policy data
Rögnvaldur Saemundsson - University of Iceland; University of Gothenburg, Iceland Maureen McKelvey	Negative Unintended Consequences as a Counterbalance to Innovation: The Macchiarini case as innovation governance at the interface between scientific research and clinical practice

Migration, Globalisation and the Knowledge Economy I

Date/Time: Thursday 30/01/2020 1720 - 1900, Share 2

Chair: Marte Solheim - University of Stavanger Business School, Norway

Florian Seliger - ETH Zürich, Switzerland Martin Woerter Spyros Arvanitits	Spillovers from International Knowledge Activities
Julien Seaux - Université de Bordeaux and Università dell'Insubria, France	Learning by Moving: International Education and Return Migration of Europeans
Frank Neffke - Harvard University, United States Michele Coscia Ricardo Hausmann	Knowledge Diffusion in the Network of International Business Travel

Innovation and Regional Transformation: Change Agency and Opportunity Spaces I

Date/Time: Thursday 30/01/2020 1720 - 1900, Focus

Chair: Markus Grillitsch - Lund University, Sweden

Lisa Nieth - Regio Twente, The Netherlands Verena Radinger-Peer	Universities as (leading) Agents in Strategic Regional Path Development? A European Comparison
Josephine Rekers - Lund University, Sweden Markus Grillitsch Markku Sotarauta	Trinity of Change Agency: Connecting Agency and Structure in Studies of Regional Development
Annalisa Caloffi - Università degli Studi di Firenze, Italy Ana Colovic Federica Rossi Margherita Russo	Technological Revolutions and Policy Evolution: The Case of Innovation Intermediaries in the Context of Emerging Digital Technologies
Huiwen Gong - Kiel University, Germany	Structure and Agency in Local Industrial Development: A Comparative Study of the Online Games Industry in Shanghai and Hamburg

New (Big) Data Sources and Methods to Unpack the Geography of Innovation I: Digital Social Data and Machine Learning

Date/Time: Thursday 30/01/2020 1720 - 1900, Initiative

Chair: Yuri Campbell - Fraunhofer IMW, Germany

Benjamin Klement - Fraunhofer IMW, Germany	Resonance Indicators: Analyzing Hidden Innovation with Digital Social Data
Yuri Campbell - Fraunhofer IMW, Germany	Too big to see: exploring proxies of structure in a real large-scale university-industry cooperation network
Burcu Ozgun - Middle East Technical University, Turkey Tom Broekel	The Geography of Sentiments towards Innovation and Technologies in the German News Media
Jan-Frederik Thurmman - Philipps-Universität Marburg, Germany Simone Strambach	Social Media as a Tool to create and measure Resonance for Social Innovations

Universities and the Geography of Innovation VI

Date/Time: Thursday 30/01/2020 1720 - 1900, Energy Hall 3

Chair: Maria Salomaa - University of Lincoln, United Kingdom

Tan Tran Thai - SKEMA business school Ludovic Dibiaggio Maryann Feldman	The time value of scientific expertise
Johanna Hautala - University of Turku, Finland	Co-Creating knowledge with robots: Towards system, synthesis, and symbiosis in the universities in Tampere and Singapore
Maureen McKelvey - University of Gothenburg, Sweden Rögnvaldur Saemundsson	Organizational Routines and the Growth of Knowledge in Engineering

Creative Industry Clusters, Innovation and Policy II

Date/Time: Thursday 30/01/2020 1720 - 1900, Opportunity

Chair: Bruce Tether - University of Manchester (Alliance Manchester Business School), United Kingdom

Bruce Tether - University of Manchester (Alliance Manchester Business School), United Kingdom	Mind the Gap: Regional Inequalities in the UK's Creative Industries
Nicola Cortinovis - Erasmus University Rotterdam, The Netherlands Frank van der Wouden	Collaboration and Learning in a Creative Industry
Chiara Burlina - Catholic University of Milan, Italy	Firm Performance and Economic Complexity: Evidence from Italian Cultural and Creative Industries
Neil Lee - London School of Economics, United Kingdom Patrizia Casadei Enrico Vanino	Trade in Creative Services and Manufacturing Industries: Relatedness and Structural Changes in the UK

Innovation and Regional Economic Development IV

Date/Time: Thursday 30/01/2020 1720 - 1900, Confidence

Chair: Christian Richter Østergaard - Aalborg University, Denmark

Thomas Kemeny - Queen Mary, University of London, United Kingdom Sergio Petralia Michael Storper	Disruptive Innovation and Interregional Inequality
Martin Wörter - ETH Zürich, KOF Swiss Economic Institute, Switzerland Spyros Arvanitis Florian Seliger	How Important is International Knowledge Sourcing for Domestic Innovation and Productivity?
Wahyu Jatmiko - Durham University, United Kingdom Shahid Ebrahim	Revamping Sukūk with a Charitable Endowment for Infrastructure Financing
Filippo Randelli - University of Florence, Italy Federico Martellozzo Gianluca Iannucci	Rural Tourism Evolution: Modeling the Avoidance of an Ineluctable decline through Landscape and Agriculture Conservation

Innovation Policy for Regions and Countries VI

Date/Time: Thursday 30/01/2020 1720 - 1900, Concentrate

Chair: Dzamila Bienkowska - Linköping University, Sweden

Frederic Wallet - INRA Agroparistech - University of Paris-Saclay, France André Torre	Innovation processes in rural areas: climbing the ladder or widening the gap?
Gianluca Orsatti - GREThA, University of Bordeaux, France Sandro Montresor Francesco Quattraro	On the geography of radical innovations: Key Enabling Technologies (KETs) and technological novelty in European regions
Kolja Hesse - University of Bremen, Germany	Unlocking the (radical) potential of firms – How R&D policy can foster radical innovations
Ridvan Cinar - University of Aveiro, Portugal Paul Benneworth	Making sense of changing innovation landscape in Europe through multiple critical junctures and normal periods (1982-2018)

Proximity and Innovation IV

Date/Time: Thursday 30/01/2020 1720 - 1900, Attention

Chair: Jonathan Muringani - University of Stavanger, Norway

Leyla Sandoval Hamón - Universidad Autónoma de Madrid, Spain Soraya M. Ruiz Peñalver Rune Dahl Fitjar Elisa Thomas	A systematic review of the literature of science and technology parks (STPs) and its relationship with innovation
Anna Varga-Csajkás - MTA-PTE Innovation and Economic Growth Research Group; University of Pécs, Hungary Tamás Sebestyén Attila Varga	Policy simulations for Hungarian high-growth firms: an agent-based model for innovation-related cooperation
Cathrin Söllner - University of Bremen, Germany	Collaborating for Quality - The (in)direct impact of team diversity on the quality of co-patents

Digital Platform Geographies

Date/Time: Thursday 30/01/2020 1720 - 1900, Bouvet

Chair: Shiri M. Breznitz - University of Toronto, Canada

Alina Kontareva - TIK, University of Oslo, Norway	Commercial Internet in the Emerging Economies: Russian Internet Companies and the Global Market
Shauna Brail - University of Toronto	Unicorns, Platforms, and Global Cities: The Economic Geography of Ride-Hailing
Birgit Leick - Østfold University College, Norway Mehtap Aldogan Eklund Bjørnar Karlén Kivedal	Airbnb, Sharing-economy Entrepreneurs and Regional Economic Development in Secondary Tourist Destinations: An Exploratory Study
Shiri M. Breznitz - University of Toronto, Canada Douglas Noonan Martin Kenney	Should I stay or should I go? Analyzing the Mobility of Crowdfunding Entrepreneurs

Innovation in Developing and Emerging Economies

Date/Time: Thursday 30/01/2020 1720 - 1900, Energy Hall 1

Chair: Simona Iammarino - London School of Economics, United Kingdom

Kevin Chandra - Hong Kong University of Science and Technology, Hong Kong, China	Beyond the Market-state Dichotomy: Comparative Analysis of Hong Kong and Shenzhen Innovation Systems
Maria Kristalova - Friedrich-Schiller University Jena, Germany Ksenia Gonchar	Can Innovation Decrease Mortality of Small Firms in a Catching-up Economy?
Thomas Brenner - Philipps-Universität Marburg	Innovation as Growth Factor – A Comparison of Different Types of Countries
Rut Andrea Atayde Villegas - Universidad Panamericana, Mexico Rafael Garduño-Rivera	Innovation and Competition: Evidence from Manufacturing Industries in Mexico

Buses to the gala dinner will depart at 19.45

Date/Time: Thursday 30/01/2020 1945

Conference Dinner

Date/Time: Thursday 30/01/2020 2000 - 2315, Atlantic Hall

	The Conference Dinner will take place from 20.00pm at Atlantic Hall, Olav V's gate 3, Stavanger
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Registration

Date/Time: Friday 31/01/2020 0830 - 0900

Understanding the Heterogeneity of Regional Energy Transitions: Opportunities and Limitations for Regional Development I

Date/Time: Friday 31/01/2020 0900 - 1040, Concentrate

Chair: Lars Coenen - University of Melbourne, Australia

Camilla Chlebna - Carl von Ossietzky University Oldenburg, Germany Hanna Martin Jannika Mattes	Grasping regional development dynamics: Towards a concept of transformative change
Henner Busch - Lund University, Sweden Salvatore Ruggiero Aljosa Isakovic Teis Hansen Fabian Faller	Transformative or not? - A systematic review of research on community energy policies in the European Union
Siddharth Sareen - University of Bergen, Norway	Metrics for an accountable energy transition? Legitimizing the governance of solar uptake

Urban Agglomerations, Externalities and Innovation I

Date/Time: Friday 31/01/2020 0900 - 1040, Attention

Chair: Gerwin Evers - Aalborg University, Denmark

Frank Van Oort - Erasmus University Rotterdam, The Netherlands Nicola Cortinovis	Innovation performance, varieties and teams in European regions
Yuting Jiang - University of Padova, Italy Giulio Cainelli	Related Variety and Economic Growth at Firm Level in China
Fabrizio Fusillo - University of Turin, Italy Davide Consoli Gianluca Orsatti Francesco Quatraro	Skill endowment, routinization and digital technologies: Evidence from U.S. Metropolitan Areas

Smart Cities and Smart Regions

Date/Time: Friday 31/01/2020 0900 - 1040, Confidence

Chair: Eloïse Germain-Alamartine - Linköping University, Sweden

Lukas Häfner - Leibniz Universität Hannover, Germany Rolf Sternberg Martina Fuchs	Digitalisation, spatial (in-)equality and innovation-based regional development: state of the art and research agenda
Daniela Baer - SINTEF, Norway Anne Nuijten	Innovate for low carbon cities! The role of municipalities for aligning smart city projects to maximize impact
Stefania Fiorentino - UCL, United Kingdom Silvia Bartolucci	New governance perspectives on the sharing economy. A blockchain application for the 'smart' management of spaces with a return for local authorities
Agnieszka Kwiatek-Sotys - Institute of Geography Pedagogical University of Cracow, Poland	How smart and modern is the historical city of Krakow and its residents. City development strategy versus inhabitants opinion

Innovation and Regional Transformation: Change Agency and Opportunity Spaces II

Date/Time: Friday 31/01/2020 0900 - 1040, Focus

Chair: Markus Grillitsch - Lund University, Sweden

Magnus Nilsson - CIRCLE, Lund University, Sweden Markus Grillitsch	Trust in Regional Development
Jonas Heiberg - Eawag & Utrecht University, Switzerland Bernhard Truffer Christian Binz	The Geography of Legitimation
Markku Sotarauta - Tampere University, Finland Heli Kurikka Jari Kolehmainen	Trinity of Change Agency and Path Development in Peripheral Regions

New (Big) Data Sources and Methods to Unpack the Geography of Innovation II: Big Data Based on Intellectual Property Rights and Machine Learning Analysis

Date/Time: Friday 31/01/2020 0900 - 1040, Initiative

Chair: Rafael Boix Domenech – University of Valencia, Spain

Deyun Yin - World Intellectual Property Organization, Switzerland Ernest Miguelez Julio Raffo Christian Chacua Massimiliano Coda Zabetta Francesco - Lissoni	Identification and analysis of Innovation Clusters based on Global Geocoding Data
Rafael Boix Domenech - Universitat De Valencia, Spain Vittorio Galletto Ciocia Fabio Sforzi	The Marshallian industrial district as a living innovation machine: modelling technological innovation in space and time variable-geometry units using big data and machine learning
Vittorio Galletto Ciocia - University of Valencia, Spain Francesco Capone Rafael Boix Domenech	Searching for rare diamonds? Industrial districts and innovation in Spain and Italy

Globalisation of Innovation and Knowledge

Date/Time: Friday 31/01/2020 0900 - 1040, Bouvet

Chair: Sergio Andrés Manrique Garzón - Universitat Autònoma de Barcelona, Spain

Claudia De Fuentes - Saint Mary's University Jason Rhinelanders Jahan Ara Peerally	Building Knowledge from Engaging in Backward and Forward Global Value Chains
Fiorenza Belussi - University of Padua, Italy Ivan De Noni	Are FDI from and to Emerging Countries Supporting the Global Invention Networks of European Regions?
Sara Amoroso - European Commission - Joint Research Centre, Spain	Are M&As the New R&D? Evidence from World Top R&D Investors
Liza Jabber - University of Birmingham, United Kingdom Robert Elliott Enrico Vanino	Global Knowledge Chains and the International Patenting Activity of Firms

Migration, Globalisation and the Knowledge Economy II

Date/Time: Friday 31/01/2020 0900 - 1040, Share 2

Chair: Ina Drejer - Aalborg University, Denmark

Zhiling Wang - Erasmus University Rotterdam, The Netherlands	Industrial Transfer Policies in China: Migration, Urbanization and Upgrading
Rune Dahl Fitjar - University of Stavanger, Norway Silje Haus-Reve Abigail Cooke Thomas Kemeny	Does assimilation shape the economic value of immigrant diversity?
Zane Varpina - Stockholm School of Economics in Riga, Latvia Marija Krumina	Back for business: the role of foreign experience on entrepreneurial activity in Latvia

The Geography of Resilience in Europe I

Date/Time: Friday 31/01/2020 0900 - 1040, Share 1

Chair: Bogdan-Constantin Ibanescu - Alexandru Ioan Cuza University of Iasi, Romania

Edoardo Ferrucci - LUISS University, Italy Francesco Quatraro Anna D'Ambrosio Valentina Meliciani	The impact of cultural and sectoral diversity on regional resilience: an analysis on Italian provinces
Alexandru Bănică - "Alexandru Ioan Cuza" University, Iași Karima Kourtit Peter Nijkamp	Resilience capabilities in natural disasters - from losses to opportunities
Jarle Aarstad - Western Norway University of Applied Sciences, Norway Stig-Erik Jakobsen Olav Andreas Kvitastein	Regional resilience, external shocks, and enterprises' dynamic capabilities in a time of decline

Trademarks in Space I

Date/Time: Friday 31/01/2020 0900 - 1040, Opportunity

Chair: Carolina Castaldi - Eindhoven University of Technology, The Netherlands

Trevor Kollmann - Swinburne University of Technology, Australia Stephen Petrie Alex Cordoreanu Russell Thomson Elizabeth Webster	International Trademarking and Regional Export Performance
Michał Kazimierzczak - EUIPO/Maastricht University, The Netherlands René Belderbos Micheline Goedhuys	Patents, Trademarks and New Firm Formation in European Regions
Eric James Iversen - Nordic Institute for Studies in Innovation, Research and Education NIFU, Norway Sverre J. Herstad - University of Oslo, Norway	The geography of innovation and diversification: trademark and patenting in different regional and industrial contexts in Norway
Georg von Graevenitz - QMUL, United Kingdom Stuart Graham Amanda Myers	Distance (Still) Hampers Diffusion of Innovations

Meet the Editors I

Date/Time: Friday 31/01/2020 0900 - 1040, Energy Hall 1

Chair: Carlos Rodrigues - University of Aveiro, Portugal

Elisa Giuliani - University of Pisa, Italy	Research Policy
Maria Savona - SPRU, University of Sussex, United Kingdom	Research Policy
Andrea Morrison - Bocconi University, Italy	Industry and Innovation
Thomas Kemeny - Queen Mary, University of London, United Kingdom	Regional Studies
Dieter Kogler - University College Dublin, Ireland	Regional Studies
Ron Boschma - Utrecht University, The Netherlands	Cambridge Journal of Regions, Economy and Society

Refreshment Break

Date/Time: Friday 31/01/2020 1040 - 1050, Refreshment Break

Understanding the Heterogeneity of Regional Energy Transitions: Opportunities and Limitations for Regional Development II

Date/Time: Friday 31/01/2020 1050 - 1230, Concentrate

Chair: Ron Boschma - Utrecht University, The Netherlands

Jannika Mattes - Carl von Ossietzky University of Oldenburg, Germany Camilla Chlebna Meike Lohr Sebastian Rohe	Regional transition fields: A framework for understanding regional transitions as a social process
Anet Weterings - PBL Netherlands Environmental Assessment Agency, The Netherlands Martijn Van den Berge Floor Alkemade	Cleantech development in regions: do existing specialisations stimulate or hinder diversification?
Lars Coenen - University of Melbourne, Australia Bruce Wilson Leo Goedegebuure Emma Shortis	Can Smart Specialisation Transition a Coal Region in Australia? Regional innovation policy in the face of wicked problems

Urban Agglomerations, Externalities and Innovation II

Date/Time: Friday 31/01/2020 1050 - 1230, Attention

Chair: Frank Van Oort - Erasmus University Rotterdam, The Netherlands

Dioni Elche - University of Castilla-La Mancha, Spain Davide Consoli Mabel Sánchez-Barrioluengo	From brawn to brains: manufacturing-KIBS interdependency
Francesca Froy - Bartlett School of Architecture, University College London, United Kingdom	Using network analysis to explore agglomeration economies in Greater Manchester
Javier Changoluisa Acuna - Universidad Espíritu Santo, Ecuador	Agglomerations and the Performance of Start-ups: Evidence from Germany
Meng Song - Aston University, United Kingdom Jun Du	How to Gain from Agglomeration Externalities for Innovation: the Moderation Role of FDI

Innovation and Regional Transformation: Change Agency and Opportunity Spaces III

Date/Time: Friday 31/01/2020 1050 - 1230, Focus

Chair: Markku Sotarauta - Tampere University, Finland

Arnaud Bessagnet - Sciences-Po Toulouse, University of Toulouse, France Joan Crespo Jerome Vicente	Break Free the Dynamics of Entrepreneurial Ecosystems
Päivi Oinas - University of Turku, Finland Sidath Alwis Jarmo Nikander	The traveling start-up scene: Student-steered field landing and the quadruple helix in Turku, Finland
Jari Kolehmainen - Tampere University, Finland Heli Kurikka Markku Sotarauta	Agency and Perceived Regional Opportunity Spaces
Markus Grillitsch - Lund University, Sweden Björn Asheim Hjalte Nielsen	Does Long-term Proactive Agency Matter for Regional Development?

New (Big) Data Sources and Methods to Unpack the Geography of Innovation III: Leveraging the Wealth of Geo-referenced Data

Date/Time: Friday 31/01/2020 1050 - 1230, Initiative

Chair: Enrico Vanino - University of Sheffield, United Kingdom

Yusuf Sohoye - University College London, United Kingdom	Innovation of a Nation: Predicting Patent Output Across the USA
Jan Kinne Miriam Krüger David Lenz Bernd Resch	The digital layer: How innovation firms relate on the web
Andreas Diemer - London School of Economics and Political Science, United Kingdom Tanner Regan	The Geography of Social Connectedness and Knowledge Flows in the United States: New Evidence from Patent Citations
Sanna Ojanperä - University of Oxford, United Kingdom Mark Graham	The Networked Nature of the Sub-Saharan African Knowledge Economy

Social Capital, Institutions and Innovation

Date/Time: Friday 31/01/2020 1050 - 1230, Confidence

Chair: Kwadwo Atta-Owusu - University of Stavanger, Norway

Thore Sören Bischoff - ifh Göttingen, Germany	Institutional embeddedness of knowledge exchange for radical innovations19568
Susanne Gretzinger - University of Southern Denmark, Denmark Birgit Leick Simon Fietze Robert Hassink Jane Petersen	Stakeholder Participation and Emerging Brokerage: Lesson learnt from 10 Cases in the Danish - German Border Region
Jesús Peiró-Palomino - University Jaume I, Spain Francesco Perugini Donato Iacobucci	Innovation intensity in the Italian provinces. The role of institutional quality
Jana Schmutzler - Universidad del Norte, Colombia Jaider Vega-Jurado Patricia Marquez	Trusting neighbors? The influence of regional generalized trust on firm's innovation activities
Jonathan Muringani - University of Stavanger, Norway Rune Dahl Fitjar Andrés Rodríguez-Pose	Bonding and bridging social capital, and economic growth? New evidence from European regions

Migration, Globalisation and the Knowledge Economy III

Date/Time: Friday 31/01/2020 1050 - 1230, Share 2

Chair: Marte Solheim - University of Stavanger Business School, Norway

Andrea Morrison - Bocconi University, Italy Jaap Oomen	High-skilled migration and regional diversification: evidence from European countries
Ryan Hynes - University College Dublin, Ireland Bernardo Buarque Ronald Davies Dieter Kogler	My Kind of Town: The effect of regional specialization on inventor migration
Massimiliano Coda Zabetta - University of Bordeaux, France Francesco Lissoni Ernest Miguelez	Foreign executives and R&D staff, and the internationalization of capital flows: firm evidence
Valentina Di Iasio - Università degli Studi dell'Insubria, Italy Ernest Miguelez	Go West and Transform back home: knowledge remittances, relatedness and the direction of technical change

The Geography of Resilience in Europe II

Date/Time: Friday 31/01/2020 1050 - 1230, Share 1

Chair: Bogdan-Constantin Ibanescu - Alexandru Ioan Cuza University of Iasi, Romania

Domingos Santos - Polytechnic Institute of Castelo Branco & CICS.NOVA - Interdisciplinary Centre of Social Sciences, Portugal	Victim of its own success? Resilience in small peripheral territories
Bogdan-Constantin Ibanescu - Alexandru Ioan Cuza University of Iasi, Romania Gabriela Carmen Pascariu	The role of innovation in building tourism resilience
Peter Nijkamp - Alexandru Ioan Cuza University of Iasi, Romania Ramona Țigănașu Karima Kourtit	Government capacity in managing change and innovation in public sector: a dynamic analysis

Trademarks in Space II

Date/Time: Friday 31/01/2020 1050 - 1230, Opportunity

Chair: Dieter Kogler - University College Dublin, Ireland

Changjun Lee - Hanyang University, Korea, Republic of Dieter Kogler	Linking Knowledge Production to Commercialization Activities: A Regional Analysis of the Effect Patents and Trademarks have on Economic Growth
Huaqing Ran - Chengdu College of Arts and Sciences, ISCTE Businesses School, Lisbon, Portugal, China Yangao Xiao Sandro Mendonça Kaiyue Kang	The link between trademark portfolios and enterprise competitiveness: The perspective of coastal and inland city-region development
Carolina Castaldi - Utrecht University, The Netherlands Marcel Seip Meindert Flikkema Ard-Peter de Man	Unrelated variety and regional economic resilience: the role of technological and market capabilities
Patricio Sáiz - Universidad Autónoma de Madrid, Spain	Trademarks, Regions, and Markets. Origins and Evolution of the National Trademark System in Spain (1850?1920)

Meet the Editors II

Date/Time: Friday 31/01/2020 1050 - 1230, Energy Hall 1

Chair: Magnus Klofsten - Linköping University, Sweden

Martin Andersson - University of Blekinge - CIRCLE, University of Lund, Sweden	Annals of Regional Science
Francesco Quatraro - University of Torino, Italy	Spatial Economic Analysis
Andrés Rodríguez-Pose - London School of Economics, United Kingdom	Economic Geography and Journal of Geographical Systems
Stig-Erik Jakobsen - Western Norway University of Applied Sciences, Norway	European Planning Studies

Lunch

Date/Time: Friday 31/01/2020 1230 - 1320

Keynote Session: The Uneven Geography of Innovation

Date/Time: Friday 31/01/2020 1320 - 1450, Energy Hall

Chair: Bjorn Asheim - University of Stavanger, Norway

Neil Lee - London School of Economics, United Kingdom	Inclusive Regional Innovation Policy
Alessandra Faggian - GSSI - Gran Sasso Science Institute Sandro Montresor Gloria Cicerone Francesco Rentocchini	Harnessing artificial intelligence for regional eco-innovation: a patent-based analysis of European regions' green-tech specialization

Farewell Speech

Date/Time: Friday 31/01/2020 1450 - 1500, Energy Hall

End of conference/Energy Break

Date/Time: Friday 31/01/2020 1500

Buses to the airport will depart at 15.10

Date/Time: Friday 31/01/2020 1510

ORGANISING COMMITTEE

Rune Dahl Fitjar (University of Stavanger, Norway) — Chair

Andrés Rodríguez-Pose (London School of Economics, UK and University of Stavanger, Norway)

Bjørn Terje Asheim (University of Stavanger, Norway and Lund University, Sweden)

Corinne Autant-Bernard (University of Saint Etienne, France)

Egil C. Svela (University of Stavanger, Norway)

Jerome Vicente (University of Toulouse, France)

Koen Frenken (Utrecht University, The Netherlands)

Kristoffer W. Moldekleiv (University of Stavanger, Norway)

Marte Cecilie Wilhelmsen Solheim (University of Stavanger, Norway)

Ragnar Tveterås (University of Stavanger, Norway)

Ron Boschma (Utrecht University, The Netherlands and University of Stavanger, Norway)

Rosina Moreno (University of Barcelona, Spain)

Tom Broekel (University of Stavanger, Norway)

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SCIENTIFIC COMMITTEE

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