



# Druid 2019

**COPENHAGEN BUSINESS SCHOOL**

June 19 – 21, 2019



## WI-FI LOGIN:

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User ID: druid@cbs.dk

Password: v2wcRD

## CONFERENCE APP:

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The free conference app features an up-to-date program and practical information.

Go to **program.druid.dk** and follow the instructions

### FACEBOOK

#druid19

facebook.com/druidsociety

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### VIDEOS OF DRUID KEYNOTES AND DEBATES

vimeo.com/druidsociety

### PHOTOS FROM PREVIOUS DRUID CONFERENCES

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## DRUID SECRETARIAT:

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Jeanette Hvarregaard

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## THIS CONFERENCE IS SPONSORED BY:

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# SESSION GUIDELINES

## FOR PRESENTERS, DISCUSSANTS AND CHAIRS

### THE FORMAT OF DRUID DEBATES

The DRUID Debates aim at stimulating civilized controversy and advance the field of industrial dynamics by clarifying and developing intellectual positions in fundamental or currently heated disputes. The debates are structured to help identify common grounds and lines of division within the field, and to encourage conference participants and subsequent website viewers to take sides and become persuaded by arguments presented.

Each debate confronts a motion and lasts about one and a half hour. The standard time schedule looks like this:

- A brief introduction by the Moderator
- An initial vote where the audience indicates its stand on the motion
- First intervention for the motion: 12 minutes
- First intervention against the motion: 12 minutes
- Second intervention for the motion: 12 minutes
- Second intervention against the motion: 12 minutes
- First rebuttal against the motion: 3 minutes
- First rebuttal for the motion: 3 minutes
- Second rebuttal against the motion: 3 minutes
- Second rebuttal for the motion: 3 minutes
- Questions from the floor and answers from the panelists
- A final vote where the audience indicates its stand on the motion.

### THE FORMAT OF PARALLEL PAPER SESSIONS

Each session normally includes three papers and lasts about one and a half hour. The standard time schedule looks like this:

- First paper presentation by the author = 15 minutes
- Second paper presentation by the author = 15 minutes
- Third paper presentation by the author = 15 minutes
- First discussant of all three papers = 12 minutes
- Second discussant of all three papers = 12 minutes
- General discussion and replies from the authors = approximately 20 minutes.

### INSTRUCTIONS FOR PARALLEL SESSION PRESENTERS

Each participant will only be allowed to present one paper during the conference. Coauthored papers may be presented by any of the participating coauthors.

With a conference of this size we ask you to remember some basic rules when making your presentation. In order that everyone has sufficient time to speak it is important that you exercise discipline, particularly time management. Please remember to:

- Arrive at the appropriate room five minutes before the session is due to start. All rooms are equipped with black out facilities and a projector for Power Point presentations. Please note that if choosing Power-Point you must arrive with your presentation on a USB memory device and load it yourself onto the machine provided in the room BEFORE the start of the session. It might be a good idea to do so well in advance as not all versions of PowerPoint function equally well on all projectors. Solicit advice at the info desk or through student assistants if experiencing trouble
- Introduce yourself to the other presenters and the chair. Give the chair your biographical details for use in introducing you. Ideally to assist the chair these should be in writing
- Present your paper in judicious language. Disclose any financial or other interest you might have in the subject matter of the papers. Acknowledge contributions of co-authors. Structure your presentation so that you have time for your findings and their possible implications (when relevant). Avoid or explain uncommon abbreviations or terms
- Accommodate the session chair, who will tell you at the beginning of the session how long your presentation can last. This will vary between sessions depending on the number of papers to be presented. In a one and a half hour session with three papers you should aim to speak for no more than 15 minutes leaving time for your discussants and for the floor. We have asked session chairs to be very strict in terms of time management so that each presenter has an equal amount of time
- Abide by the timing cards presented to you during your presentation by the session chair, indicating how much is left of your allotted time: 5 minutes remaining; 2 minutes remaining; Time is out (RED card). When you are shown the RED card your time is over. Session chairs have been asked to allow presenters who are out of time to finish your sentence, upon which they need to STOP their presentation.

## INSTRUCTIONS FOR PARALLEL SESSION DISCUSSANTS

It is the discussant that stimulates civilized controversies, which are at the core of the conference. One or more of the papers you have been asked to discuss might not be within your particular area of expertise, but do NOT start by stating this. Instead, act professionally and do your best to provide useful comments as best you can. Be clear, to the point, sharp but constructive, acknowledge significant contributions but focus on aspects where improvements can or must be made. Aim at providing that the author(s) with something useful to bring home. Enlighten, when possible, the audience with some new insight or reflection. Your comments should be given in judicious language. Disclose any financial or other interest you might have in the subject matter of the papers. Let the Conference Organizers know immediately if you become suspicious of any possible fabrication of data, plagiarism or other kinds of scientific fraud relating to the papers you are asked to discuss.

In order that everyone has sufficient time to speak it is important that you exercise discipline, particularly time management. Please remember to:

- Arrive at the appropriate room 5 minutes before the session is due to start. All rooms are equipped with black out facilities and a Power Point projector. Please note that if you have prepared some points on a PowerPoint slide you must arrive with your presentation on a USB memory device and load it yourself onto the machine provided in the room before the start of the session. It might even be a good idea to do so well in advance as not all versions of PowerPoint function equally well on all projectors. Solicit advice at the info desk or through a student assistant if experiencing trouble
- Introduce yourself to the presenters, co-discussant and the chair. Give the chair your biographical details for use in introducing you. Ideally to assist the chair these should be in writing. One or two lines would suffice
- Accommodate the session chair, who will tell you at the beginning of the session how long your comments should last. This will vary between sessions depending on the number of papers to be presented. In a one and a half hour session with three papers you should aim to speak for no more than 12 minutes leaving time for your replies and for the floor. We have asked session chairs to be very strict in terms of time management so that each discussant has an equal amount of time.

By abiding to the simple rules your contribution will help support what we hope will be a productive, stimulating and enjoyable conference!

## INSTRUCTIONS FOR PARALLEL SESSION CHAIRS

This note is intended to provide guidance on managing the session for which you are responsible. Inevitably, the Chair will have to show some degree of flexibility.

In essence, your role will be to introduce the presenter and allocated discussants; control the length of time that they speak for and manage any questions from the floor. In most sessions three papers will be presented. Please notify the Conference Organizers immediately if you become suspicious of any possible fabrication of data or plagiarism relating to the papers in your session.

We believe that it is important to establish some ground rules that everybody understands and works towards during the conference. Please remember to:

- Arrive in the room where the session is to take place at least 5 minutes before the appointed time. If using PowerPoint the presenters have been asked to upload their presentation on the PC before the start of the session to save time. Solicit advice at the info desk or through student assistants if experiencing trouble.
- Introduce yourself to the presenters. Ask them for biographical details to use in introducing them. Make sure that their presentation has been uploaded. Inform them of the maximum time they will have to present their paper. For example, in a one and a half hour session with three papers, each presenter should have 15 minutes and the two discussants should be allocated 12 minutes each. It is important that participants are given the chance to ask additional questions from the floor
- Introduce the author and title for each paper
- Use the series of timing cards, available to you in the session room, to help the presenter or discussants to manage the time. The first card you pass indicates that the presenter or discussant has a maximum of five minutes left. The second card indicates that there are two minutes left. The third and final RED card indicates that their time is over and the presenter or discussant must STOP. In issuing the red card you must be polite but firm. It is to be fair to other presenters or discussants in the session and to the audience who will wish to contribute in the discussion time. As a rule, a presenter who gets the RED card is allowed to finish the sentence but speak no further
- Ask those who ask questions in the Q&A part of each session to identify themselves and to keep their comments as short as possible to allow time for the presenters to respond in full. You may decide how to organize this element of the session, i.e. after each paper or after all the papers have been presented.

- Ensure that the session finishes on time. With the number of papers to be presented this is going to be a busy event. Sessions that over run have implications for other sessions or events later in the day.

Finally, thank you for chairing and helping to make the conference successful!

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## INSTRUCTIONS FOR POSTER PRESENTERS

The posters are a display of the presenter's paper in the format 0.8 wide x 1.2 meters tall. (This equals roughly vertical A0, ie. 12 A4-sheets of standard paper standing up).

Ideally a poster will provide information on:

- Title of the paper
- Name and contact information for the author(s)
- Research question/aim of the paper
- The paper's theoretical framing
- The paper's data (if empirical paper)
- The paper's main findings, including possible theoretical and policy implications
- Core references.

The use of graphics and colors is encouraged. Type-fonts similar to slide presentations should be used to enhance readability (a poster is not just a copy of the paper).

A poster must grab the viewer's attention and quickly communicate its ideas and relevance. Keep in mind that people are standing at some distance, thus large fonts will draw attention. Hard copies of the paper should be available for interested colleagues.

Boards to fasten the poster to will be available in the poster area.

The poster sessions are listed on page 38-39.

<b>WEDNESDAY, JUNE 19</b>	
09:00	<b>PROFESSIONAL DEVELOPMENT WORKSHOP (PDW)</b> “THE DYNAMICS OF FEMALE SCIENTISTS’ CAREERS IN INNOVATION” (SP213) (No registration required for DRUID19 delegates)
12:00	<b>CONFERENCE REGISTRATION</b> (Main lobby)
13:15	<b>WELCOME</b> (SPs01) By NIKOLAJ MALCHOW-MØLLER (President, CBS) and MARK LORENZEN (Director, DRUID)
13:30	<b>OPENING KEYNOTE:</b> “REINVENTING THE ELDER WORKFORCE: EVIDENCE ON AGE AND CREATIVITY” (SPs01) By ADAM B. JAFFE Chair: VALENTINA TARTARI
14:30	<b>COFFEE CONVERSATIONS</b> (Main lobby) (Included in conference fee)
15:00	<b>PARALLEL PAPER SESSIONS 1</b>
16:30	<b>COFFEE CONVERSATIONS</b> (Main lobby) (Included in conference fee)
17:00	<b>PARALLEL PAPER SESSIONS 2</b>
18:30 19:30	<b>DRUID DRINKS RECEPTION</b> (CBS Kilen) (Included in conference fee)

## THURSDAY, JUNE 20

09:00	<b>PARALLEL PAPER SESSIONS 3</b>
10:30	<b>COFFEE CONVERSATIONS and POSTER SESSION 1</b> (Main lobby) (Included in conference fee)
11:00	<b>KEYNOTE:</b> <b>“BUILDING EXPERTISE FOR INNOVATION INSIDE FIRMS: COLLABORATION, CAREERS &amp; CONTEXTS”</b> (SPs01) By MARTINE HAAS Chair: KRISTINA VAARST ANDERSEN
12:00	<b>LUNCH</b> (Canteen, top floors) (Included in conference fee)
13:00	<b>DRUID DEBATE ON THE ‘ECO-SYSTEMS’ APPROACH</b> (SPs01)  <b>MOTION: “A CONCEPTUALIZATION OF THE COMPETITIVE ENVIRONMENT WITHOUT AN ECO-SYSTEMS APPROACH IS FLAWED”</b>  Speaking for the motion: ANNABELLE GAWER and MICHAEL JACOBIDES Speaking against the motion: NILANJANA DUTT and STEFANO BRUSONI Moderator: KELD LAURSEN
14:30	<b>COFFEE CONVERSATIONS and POSTER SESSION 2</b> (Main lobby) (Included in conference fee)
15:00	<b>PARALLEL PAPER SESSIONS 4</b>
16:30	<b>DRUID DISCOVERIES EXCURSIONS</b> (Meeting point: Main lobby) (Registration and pre-payment required. See conference website)  DISCOVERY 1: COPENHAGENIZE! BIKE EXCURSION DISCOVERY 2: CITY WALK! CLASSIC SIGHTSEEING WITH A TWIST DISCOVERY 3: GOBOAT! TRY YOUR OWN LUCK AS CAPTAIN ON THE COPENHAGEN CANALS DISCOVERY 4: JUST DRUID! YOUR OWN WAY
19:00 23:00	<b>DRUID DINNER and PAPER AWARD CEREMONY</b> (North Atlantic House, Strandgade 91, 1401 Copenhagen K) (Included in conference fee)



<b>FRIDAY, JUNE 21</b>	
09:00	<b>PARALLEL PAPER SESSIONS 5</b>
10:30	<b>COFFEE CONVERSATIONS</b> (Main lobby) (Included in conference fee)
11:00	<p><b>DRUID DIRECTIONS – PARALLEL KEYNOTES BY BEST PAPER AWARD NOMINEES</b></p> <p>FEDERICO TAMAGNI, DARIO GUARASCIO: “Persistence of innovation and patterns of firm growth” (SPso5) Chair: MARYANN FELDMAN</p> <p>ROSSELLA SALANDRA, JAN-MICHAEL ROSS: “Does rivalry influence selective reporting in scientific publications? The role of dyadic relationships and prior interactions in head-to-head clinical studies” (SPso7) Chair: ANITA MCGAHAN</p> <p>SERGIO PETRALIA, DARIO DIODATO, ANDREA MORRISON: “Migration and invention in the age of mass migration” (SPso8) Chair: RAM MUDAMBI</p>
12:00	<b>LUNCH</b> (Canteen, top floors) (Included in conference fee)
13:00	<p><b>DRUID DEBATE ON ‘DESIGN THINKING’</b> (SPso1)</p> <p><b>MOTION: “RECENT DEVELOPMENTS IN DESIGN THINKING REPRESENT A MAJOR ADVANCE IN OUR UNDERSTANDING OF INNOVATION, STRATEGY AND ENTREPRENEURSHIP OVER TRADITIONAL APPROACHES”</b></p> <p>Speaking for the motion: DIMO DIMOV and ROBERTO VERGANTI Speaking against the motion: DAN LEVINTHAL and SARAH KAPLAN Moderator: PAOLA CRISCUOLO</p>
14:30	<b>COFFEE CONVERSATIONS</b> (Main lobby) (Included in conference fee)
15:00	<b>PARALLEL PAPER SESSIONS 6</b>
16:30 17:00	<b>CONFERENCE CLOSING</b> (SPso1)
19:30-??	<b>DRUID DECADENCE AFTER PARTY</b> (Tempelriddersalen, Ny Kongensgade 9C, 1472 Copenhagen K) (Registration and pre-payment required. See conference website)

# ORGANIZING COMMITTEE



**MARK LORENZEN**  
Director, DRUID  
Copenhagen Business  
School



**MIE M. HEGELUND**  
Venue secretary,  
Copenhagen Business  
School



**JEANETTE  
HVARREGAARD**  
DRUID secretary,  
Aalborg University



**KELD LAURSEN**  
Copenhagen Business  
School



**AMMON SALTER**  
University of Bath



**VALENTINA TARTARI**  
DRUID officer,  
Copenhagen Business  
School



**KRISTINA VAARST  
ANDERSEN**  
DRUID officer,  
University of Southern  
Denmark

## WELCOME

Wednesday, June 19, 13:15-13:30 (SP501)



**NICOLAJ  
MALCHOW-  
MØLLER**  
**PRESIDENT OF CBS**

Nicolaj Malchow-Møller is President of Copenhagen Business School and a professor of economics. He has served as director of research at the Danish Centre for Economic Business Research (CEBR) and dean of the Faculty of Business and Social Sciences at the University of Southern Denmark (SDU). He holds a MA in Economics and Econometrics from the University of Southampton and a PhD in Economics from Aarhus University.



**MARK  
LORENZEN**  
**DIRECTOR OF DRUID**

Mark Lorenzen is Professor of Innovation, Entrepreneurship and Industrial Dynamics at the Department of Strategy and Innovation at the Copenhagen Business School and director of DRUID.

## OPENING KEYNOTE

Wednesday, June 19, 13:30-14:30 (SP501)

Chair: VALENTINA TARTARI

### “REINVENTING THE ELDER WORKFORCE: EVIDENCE ON AGE AND CREATIVITY”



#### ADAM B. JAFFE

Adam B. Jaffe served Motu as Director and Senior Fellow from May 2013 through December 2017. During that time, he helped spearhead the proposal for the Centre of Research Excellence

Te Punaha Matatini, and served as TPM's initial Economic/Social Systems Research Theme Leader. He came to Motu from Brandeis University in Waltham, Massachusetts, U.S.A., where he was the Fred C. Hecht Professor in Economics, Chair

of Economics and Dean of the Faculty of Arts and Sciences. Jaffe is the author of two books - Patents, Citations and Innovations: A Window on the Knowledge Economy (with Manuel Trajtenberg, 2002); and Innovation and Its Discontents: How Our Broken Patent System is Endangering Innovation and Progress and What to Do About It (with Josh Lerner, 2004). He is also the editor (with Ben Jones, 2015) of The Changing Frontier: Rethinking Science and Innovation Policy. In 2017, his paper with Richard Newell and Rob Stavins, “The Induced Innovation Hypothesis and Energy-Saving Technological Change” (1999) won the Association of Environmental and Resource Economists Award for Publication of Enduring Quality.

## KEYNOTE

Thursday, June 20, 11:00-12:00 (SP501)

Chair: KRISTINA VAARST ANDERSEN

### “BUILDING EXPERTISE FOR INNOVATION INSIDE FIRMS: COLLABORATION, CAREERS & CONTEXTS”



#### MARTINE HAAS

Professor Martine Haas received her Ph.D. in Organizational Behavior from Harvard University, an M.A. in Sociology from Harvard University, an M.A. in International Relations from

Yale University, and a B.A. in Human Sciences from Oxford University. She received tenure at the University of Pennsylvania's Wharton School in 2011, having served on the faculty since 2007. Previously, she was a faculty member at Cornell University's School of Industrial & Labor Relations, and a visiting faculty member at London Business School.

Professor Haas's work focuses on collaboration in global, knowledge-intensive organizations. Her research and teaching interests include global teams, knowledge sharing, information technology use, managing human capital, implementing strategic capabilities, field research methods, and the sociology & social psychology of organizations. She has published articles in leading academic and practitioner journals including the Academy of Management Journal, Administrative Science Quarterly, Management Science, Organization Science, Strategic Management Journal, and Harvard Business Review. Her research has received prestigious scholarly awards including the Academy of Management's William H. Newman Award for outstanding dissertation-based research and the Academy of International Business's Temple/AIB Best Paper Award.

# DRUID DIRECTIONS

## PARALLEL KEYNOTES BY BEST PAPER AWARD NOMINEES

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### PAPER NO. 1:

## “PERSISTENCE OF INNOVATION AND PATTERNS OF FIRM GROWTH”

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Friday, June 21, 11:00-12:00 (SPs05)

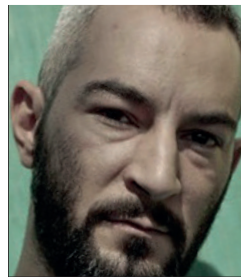
Chair: MARYANN FELDMAN

In this work we exploit a long-in-time panel of Spanish manufacturing firms observed during the period 1990-2012 to examine the long-run contribution of innovation persistence to sales growth and market share dynamics. We examine two main research questions. First, do persistent innovators grow more than other firms? Second, do persistent innovators show more persistent growth patterns over time compared to other firms? We find negative answers to both questions: firms that persistently innovate over the first decade, do not grow more and do not display more persistent growth dynamics in the succeeding years, regardless of whether innovation persistence is defined in terms of R&D, patenting activity, or product or process innovation. These findings lend support to luck and random theories of firm growth, in turn challenging innovation persistence theories commonly suggesting that persistent innovators enjoy large and persistent comparative advantages.



FEDERICO  
TAMAGNI

Scuola Superiore Sant'Anna,  
Pisa, Institute of Economics  
<http://www.cafed.sssup.it/~federico/>



DARIO  
GUARASCIO

INAPP - Istituto Nazionale per  
l'Analise delle Politiche Pubbliche,  
INAPP  
<http://uniroma1.academia.edu/DarioGuarascio>

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## **PAPER NO. 2:** **“DOES RIVALRY INFLUENCE SELECTIVE REPORTING IN SCIENTIFIC PUBLICATIONS? THE ROLE OF DYADIC RELATIONSHIPS AND PRIOR INTERACTIONS IN HEAD-TO-HEAD CLINICAL STUDIES”**

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Friday, June 21, 11:00-12:00 (SPs07)

Chair: ANITA MCGAHAN

Does rivalry influence selective reporting in scientific publications? We define “rivalry” as a subset of competition that captures the subjective relationships between two competitors. Using data on head-to-head clinical trials for antidepressants, we find that the likelihood of selectively reporting drugs’ side effects in scientific articles is higher when the drugs investigated in the trial are rivals rather than non-rival opponents. We also find partial support for our arguments that this effect is strengthened when the scientific team includes a firm scientist, and weakened when the focal drug pre-empted the rival drug at market entry. Our study is novel in that it is the first study that explores the link between rivalry, product-market competition, and the content of scientific articles. By revealing conditions that are likely to trigger a “dark side” in publication practices, our study provides counterintuitive insights at the interplay between competition and science: What seems to be a practice aimed at mitigating uncertainty, i.e., the release of scientific information in product-market competition, can under some conditions enhance behavioral uncertainty and result in increased risk taking for firms that undertake comparative research.



**ROSSELLA SALANDRA**

University of Bath, School of Management  
<https://researchportal.bath.ac.uk/en/persons/rossella-salandra>



**JAN-MICHAEL ROSS**

Imperial College London, Department of Management  
<https://www.imperial.ac.uk/people/jan.ross>

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## PAPER NO. 3: “MIGRATION AND INVENTION IN THE AGE OF MASS MIGRATION”

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Friday, June 21, 11:00-12:00 (SPs08)  
Chair: RAM MUDAMBI

More than 30 million people migrated to the US between the 1850s and 1920s. In the order of thousands became inventors and patentees. Drawing on an original dataset of immigrant inventors to the US, we assess the city-level impact of immigrants patenting and their potential crowding out effects on US native inventors. Our study contributes to the different strands of literature in economics, innovation studies and economic geography on the role of immigrants as carriers of knowledge. Our results show that immigrants' patenting is positively associated with total patenting. We find also that immigrant inventors crowd-in US inventors. The growth in US inventors' productivity can be explained also in terms of knowledge spill-overs generate by immigrants. Our findings are robust to several checks and to the implementation of an instrumental variable strategy.



### SERGIO PETRALIA

London School of Economics,  
Center for International Development's Growth Lab  
<https://growthlab.cid.harvard.edu/people/sergio-petralia>

<https://sergiopetralia.wixsite.com/research>



### DARIO DIODATO

Harvard University, The Growth Lab at the Center for International Development (CID)  
<https://growthlab.cid.harvard.edu>

<https://dariodiodato.com>



### ANDREA MORRISON

Utrecht University and Bocconi University  
<https://www.uu.nl/en/research/human-geography-and-planning/research/dynamics-of-spatial-distribution-of-economic-activities>

<https://www.uu.nl/staff/AMorrison/Profile>

# COFFEE CONVERSATIONS

Wednesday, June 19, 14:30-15:00 and 16:30-17:00

Thursday, June 20, 10:30-11:00 and 14:30-15:00

Friday, June 21, 10:30-11:00 and 14:30-15:00



# DRUID19 PROFESSIONAL DEVELOPMENT WORKSHOP

## THE DYNAMICS OF FEMALE SCIENTISTS' CAREERS IN INNOVATION

Wednesday, June 19, 09:00-12:00 (SP213)

### ORGANIZERS:

MERCEDES DELGADO and H.C. KONGSTED (COPENHAGEN BUSINESS SCHOOL)



Co-organized by the Triple-I-Research project, funded by the Novo Nordisk Foundation

### SPEAKERS:



### JENIFER CLAUSELL-TORMOS

#### Founder of Develop Diverse

Jenifer Clausell-Tormos holds a PhD in Biochemistry and Technology Development from the University of Strasbourg in France. She has pursued her career as scientific researcher in Strasbourg, London, Madrid and Copenhagen. She held positions at both universities and industry. Her research focus has been, first, on drug discovery for biomedical applications, and after 10 years, her drive for gender balance and diversity has expanded her research interest to cognitive gender and stylistics. This has resulted in her founding Develop Diverse, a company that uses AI technology to bring diversity to the workplace. Jenifer has participated in multiple events as speaker, such as a TED talk "Posting a job ad? Spell-check for gender bias!" and also participated in the BBC 100 women challenge in Silicon Valley "Breaking the Glass Ceiling" by supporting the team lead as an advisor in gender biases.



### MERCEDES DELGADO

#### CBS/MIT Innovation Initiative

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's work has been published in top economic, policy, and strategy journals. She has received a number of prestigious research grants, including a recent National Science Foundation grant on Mapping the Inventor Gender Gap.





## PATRICIA GABALDÓN

### IE Business School

Patricia Gabaldón is Associate Professor of economic environment at IE Business School. She has developed her research around the role of women in the economy and its effects in economic growth and sustainability. Patricia is a graduate in Economics of the University of Alcalá (Spain), from where she received also her PhD in Economics. Her research has also been published in numerous book chapters and articles in academic journals such as Long Range Planning, Journal of Business Ethics, Corporate Governance: an International Review, or the European Management Journal, among others. She has recently co-authored the book “Gender Diversity in the Boardroom”, analyzing the role of different country policies to increase the presence of women in leadership positions.



## JANA GALLUS

### UCLA Anderson School of Management

Jana Gallus is an Assistant Professor of Strategy and Behavioral Decision Making at UCLA’s Anderson School of Management. Her research interests lie in behavioral economics, innovation and strategy, with a focus on non-financial incentives and their effects on motivation and performance. She runs field experiments testing the effects of award schemes and other non-financial incentives for innovation with organizations and crowd-based communities including, among others, Wikipedia, NASA, and international code collaboration platforms. Jana’s work has been published in Management Science, Organizational Behavior and Human Decision Processes, Strategic Management Journal, Labour Economics, and Applied Economics, among other journals. She is the coauthor of Honours versus Money: The Economics of Awards, Oxford University Press. Her research is informed by consulting activities for organizations on the design of incentives and recognition schemes.



## ADAM B. JAFFE

### MIT/Brandeis/Motu Research

Adam B. Jaffe is Research Professor at Brandeis University and Senior Lecturer at the Sloan School at M.I.T. He was previously Director and Senior Fellow at Motu Economic and Policy Research in Wellington New Zealand, and the Fred C. Hecht Professor in Economics, Chair of Economics and Dean of the Faculty of Arts and Sciences at Brandeis. Jaffe’s research focuses on the economics of research and innovation, particularly the relationship between public research and commercial innovation, the measurement of the impacts of research, and the role of the patent system. He is an Editor for Research Policy. Jaffe is the author of two books - Patents, Citations and Innovations: A Window on the Knowledge Economy (with Manuel Trajtenberg, 2002); and Innovation and Its Discontents: How Our Broken Patent System is Endangering Innovation and Progress and What to Do About It (with Josh Lerner, 2004). He is also the editor (with Ben Jones, 2015) of The Changing Frontier: Rethinking Science and Innovation Policy. According to Google Scholar, Jaffe’s publications have been cited over 50,000 times.



## TINE JESS

### Statens Serum Institut and Inno-Women

Tine Jess is a medical doctor and female role model in Danish research. She became doctor of medical science at age 33, professor at age 39, she has been heading the Epidemiological Committee of the European Crohn Colitis Organization, is former member of the Young Academy of the Royal Danish Academy of Science and Letters, and she has obtained several acknowledgements for her research, including a Medal of Honor, the UNESCOs for Women in Science Award, and the European Gastroenterology Award. Tine Jess has been member of the Ministry’s Task Force to increase the number of women inscience, and she was recently elected InnoWoman by Innovaton Fund Denmark. Tine Jess is currently Head of GI Epidemiology Research at Statens Serum Institut.



## HANS CHRISTIAN KONGSTED

### **Copenhagen Business School**

H. C. Kongsted is a Professor of Applied Econometrics at the Department of Strategy and Innovation, Copenhagen Business School. His research and teaching interests focus on the areas of innovation, entrepreneurship, and the economics of science, drawing on his methodological background within the field of econometrics. His recent work has explored firms' R&D and innovation activities and their relationship with the skills and experience of their high-skilled employees; how academic research affects society via the mobility of scientists between academia and firms; and the role of high-skilled immigrants in academic entrepreneurship.



## VALENTINA TARTARI

### **Copenhagen Business School**

Valentina Tartari is an associate professor in Economics and Management of Innovation at Copenhagen Business School. She has received her PhD from Imperial College Business School and she has been a visiting scholar at the MIT Sloan School of Management. Her research focuses on the determinants of knowledge production and transfer, inside and outside academia. Specifically, she studies how academic researchers produce scientific knowledge and how this knowledge is transferred to industry and society at large. Valentina is also interested in the role universities have in stimulating local entrepreneurship. Her work has been published in leading innovation and management journals, such as Research Policy and Journal of Management Studies.



## LOUISE MORS

### **Copenhagen Business School**

Louise Mors is a Professor of Strategic and International Management at the Copenhagen Business School and has also been on the faculty at the London Business School. She has a PhD from INSEAD in France. With a focus on large, global firms, Professor Mors' research examines the relationship between senior managers' informal networks, organization design and performance. Recently her work has also examined the role of female directors on corporate boards. Professor Mors' work has been published in the top strategy and management journals, such as the Strategic Management Journal, Organization Science and the Academy of Management Journal. At CBS Louise Mors teaches a variety of courses with a primary focus on core strategy and management. She also teaches strategy on the board education of CBS Executive.



## VERA ROCHA

### **Copenhagen Business School**

Vera Rocha is Assistant Professor in Economics and Management of Innovation and Entrepreneurship at CBS (Department of Strategy and Innovation). Her main research interests include the dynamics of new ventures, strategic human capital, and entrepreneurial careers.

## THE DYNAMICS OF FEMALE SCIENTISTS' CAREERS IN INNOVATION

**THE FACT THAT WOMEN** are under-represented in some STEM fields within universities and in inventive positions within organizations has been singled out as a potentially significant leakage of innovative talent for countries, regions, and organizations. The existence of gender gaps in innovation outputs and innovation-related inputs is well established across countries. Current research is increasingly mapping the inventor gender gap within regions and organizations to examine the drivers of gender inclusion from a career perspective, documenting the importance of some types of organizations, incentives, role models and mentors, even of childhood exposure to innovation, for the participation of women in the innovation economy. With improvements in data availability, including detailed survey evidence, bibliometrics, and increasingly accessible administrative data, as well as advances in research methods, including causal inference and experimental approaches, work on the determinants of female scientists' career paths and innovation outcomes has experienced substantial advances.

In this PDW, we will review the recent advances, provide an overview of new data and methods, and identify promising paths for future work. The session brings together scholars, practitioners, and inventors who are leveraging these advances. We will present and discuss recent theoretical advances and cutting-edge empirical methods, followed by a panel discussion in which panelists will share their experience and synthesize the discussion and, most importantly, engage in discussion with the PDW participants.

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### PART 1: PRESENTATIONS

- 09:00 – 09:10 Welcome and introduction: **MERCEDES DELGADO** and **H.C. KONGSTED**
- 09:10 – 09:40 **JANA GALLUS**: Shine a light (on the bright): The effect of awards on confidence to speak up in gender-typed knowledge work (with **EMMA HEIKENSTEN**)  
Discussant: **LOUISE MORS**
- 09:40 – 10:10 **H.C. KONGSTED**: The ins and outs of female inventorship (with **KARIN HOISL** and **MYRIAM MARIANI**)  
Discussant: **VERA ROCHA**
- 10:10 – 10:25 Coffee Break
- 10:25 – 10:55 **MERCEDES DELGADO**: Catalysts for gender inclusion in innovation: The role of universities and their top inventors (with **FIONA MURRAY**)  
Discussant: **ADAM JAFFE**

### PART 2: PANEL

- 11:00 – 12:00 Panel: The Dynamics of Female Scientists' Careers in Innovation: Paths for Future Work  
Panelists: **JENIFER CLAUSELL-TORMOS**, **PATRICIA GABALDÓN**, **TINE JESS** and **VALENTINA TARTARI**

*The organizers acknowledge grants from the NSF and the Novo Nordisk Foundation and would like to thank Lars Frolund at MIT Innovation Initiative, Pernille Rype at Innovationsfonden, Anja Maier at DTU, and Toke Reichstein at CBS.*

# DRUID DEBATE ON THE 'ECO-SYSTEMS' APPROACH

Thursday, June 20, 13:00-14:30 (SPs01)

Moderator: KELD LAURSEN

## MOTION: "A CONCEPTUALIZATION OF THE COMPETITIVE ENVIRONMENT WITHOUT AN ECO-SYSTEMS APPROACH IS FLAWED"

### SPEAKING FOR THE MOTION:



#### ANNABELLE GAWER

Chaired Professor in Digital Economy, University of Surrey; Head, Department of Digital Economy, Entrepreneurship and Innovation, Surrey Business

School; Director, Centre of Digital Economy (CoDE)

An award-winning author and an engaged scholar, Professor Annabelle Gawer is a thought-leader, educator, and expert advisor on the business of digital platforms (such as Google and Facebook), and on the dynamics of platform-based innovation ecosystems. A pioneer of international stature in the field of digital platforms, Professor Annabelle Gawer is a leading voice in advancing research (Google Scholar indicates over 6600 citations as of December 2018), as well as managerial practice and European policy.

Prof Annabelle Gawer is a world-class scholar and advisor on digital platforms and innovation ecosystems. She is a highly-cited author of 4 books: Platform Leadership, Platform, Markets and Innovation, Innovation, Entrepreneurship and Platforms, and the forthcoming The Business of Platforms: Strategy in the Age of Digital Competition, Innovation, and Power, and authored of co-authored over 20 articles in top international journals. Her seminal research on platform leadership and innovation ecosystems explains how innovation and competition interact to shape platform-based markets and the digital economy. Her work has been featured in The New York Times, The London Times, The Financial Times (here and here), The Economist (here and here) and The Wall Street Journal.

<https://www.surrey.ac.uk/people/annabelle-gawer>



#### MICHAEL JACOBIDES

Professor, Sir Donald Gordon Professor of Entrepreneurship and Innovation; BSc (Athens); MA PhD (Wharton)

Michael G Jacobides holds the Sir Donald Gordon Chair of Entrepreneurship & Innovation at London Business School, where he is Professor of Strategy. He is Academic Advisor to the Boston Consulting Group, Visiting Scholar at the New York Fed, and Visiting Fellow at Cambridge. He studies industry evolution, changes in firm boundaries, new business models, value migration and strategy in shifting environments, and looks at how digital ecosystems transform the business context. He teaches strategy, innovation, transformation and turnarounds. A frequent keynote speaker, he engages in corporate, industry, and broad appeal events such as TEDx and the Global Drucker Forum. A winner of the 2018 Theory to Practice Award, awarded yearly by the StrategieForum (WirtschaftsUniversitaet) to a thought leader based on impact, he advises disruptive start-ups and established firms alike in Europe, the US and Asia. We works with Boards, management groups, consultants and policy makers. He works on thought leadership with consultants such as McKinsey, IDEO, Accenture, PwC, Deloitte, Keystone and ECSi, and on strategy with corporates such as Santander, Helvetia, Zurich, CS, Airbus, Lufthansa, Vodafone, Nokia, DeBeers, Burberry, MerckSerono and the NHS. He has visited Harvard, NYU, Cambridge, Imperial, Bocconi and Wharton, where he obtained his PhD, after studying at Athens, Cambridge and Stanford. His work, which has received the Sloan Foundation Award, has appeared in the top academic journals such as SMJ, AMJ, AMR, OrgSci and Industrial & Corporate

Change, where he is a co-Editor, as well as HBR and FT, and appears on CNN and BBC. On policy, he has worked with the UK parliament (on the future of financial services), the European Council (on innovation in Europe) and has spear-

headed RedesignGreece. He served on the Global Agenda Council of the World Economic Forum, where he is the Academic Lead on the Digital Ecosystems project, and has presented in the Davos Annual meetings.

## SPEAKING AGAINST THE MOTION:

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### NILANJANA DUTT

Assistant Professor of Strategy at Bocconi University's Department of Management and Technology

Nel's research studies core issues of strategy: emerging market entrepreneurship and organizations' knowledge and innovation activities. Her current work examines how organizations' problem-solving activities influence learning and innovation outcomes. Results from recent and ongoing projects suggest that for routine problem-solving activities, organizations experience better returns to using focused knowledge-sourcing strategies. Relatedly, complex solutions to routine problems, though costlier to implement, improve operational performance by promoting learning over time. Overall this suggests that some complexity is beneficial for learning and also long-term performance improvements.

Nel uses multiple methods to conduct research, primarily large-scale empirical analysis. She studies phenomena across multiple settings—renewable electricity, pharmaceuticals, and toxic waste generation—with emphasis on contexts of environmental significance. Her research has been published in the *Strategic Management Journal*, *Management Science*, *Organization Science*, and the *Academy of Management Journal*, and received media attention in both Italy and the U.S. Nel serves on the editorial board of the *Strategic Management Journal*, and the executive committee of the STR Division of the AoM. She has received multiple Research Awards and a Junior Faculty Research Grant of 10,000 at Bocconi University. Nel received her PhD in Strategy at Duke University's Fuqua School of Business and holds Bachelors and Masters' degrees in Engineering from Dartmouth College.



### STEFANO BRUSONI

Professor of technology and Innovation Management at ETH Zurich (CH)

His work focuses on the analysis of decisions that involve trade-offs, e.g. between exploitation and exploration, social and business objectives, breadth and depth in search spaces. Sometimes these decisions are solved switching between different strategies (e.g. from exploration to exploitation), sometimes instead integrating options into larger systems (e.g. from modular to integral products). Technical change is fundamentally important to understand where these trade-offs come from, as well as how to solve them. For example, additive manufacturing is pushing firms in certain sectors to reintegrate historically modular products. He is Division Chair of the Technology and Innovation Management Division of the AOM and Associate Editor of the *Strategic Management Journal*. He also serves in the Editorial Board of *Organization Science*, *Academy of Management Discoveries* and *Strategic Organization*.

# DRUID DEBATE ON 'DESIGN THINKING'

Friday, June 21, 13:00-14:30 (SP501)  
Moderator: PAOLA CRISCUOLO

**MOTION:** “RECENT DEVELOPMENTS IN DESIGN THINKING REPRESENT A MAJOR ADVANCE IN OUR UNDERSTANDING OF INNOVATION, STRATEGY AND ENTREPRENEURSHIP OVER TRADITIONAL APPROACHES”

## SPEAKING FOR THE MOTION:



**DIMO  
DIMOV**

Professor of Innovation and Entrepreneurship at the University of Bath.

Prior to joining the University of Bath, Dimo was on the faculty at Newcastle University, University of Connecticut (USA), and IE Business School (Spain). Prior to entering academia, he was finance director with Marriott International, overseeing two hospitality businesses in Budapest. Dimo's research focuses on enabling, accelerating, and funding the entrepreneurial process, from initial idea to viable venture, in independent, corporate, and social settings. He teaches entrepreneurship and entrepreneurial finance, seeking to inspire students to embrace the entrepreneurial journey and equip them with the mindset and design and finance skills necessary to navigate it. He also works with both start-ups and established companies to facilitate the development of mindset and structures for innovative performance.



**ROBERTO  
VERGANTI**

Professor of Leadership and Innovation at the School of Management of Politecnico di Milano, where he is co-founder of Leadin'Lab, the laboratory on

the LEAdership, Design and INnovation.

Roberto has been a visiting scholar at the Harvard Business School twice, at the Copenhagen Business School and at the California Polytechnic University. At Politecnico di Milano he has been the founder and first director of the School of Doctoral Programs (with more than 800 PhD students) and of the Alta Scuola Politecnica (the school on Multidisciplinary Innovation for top 2% master students). Roberto serves in the RISE group that advises Commissioner Carlos Moedas, the European Commissioner for Research, Science and Innovation. Roberto is the author of “Overcrowded. Designing Meaningful Products in a World Awash with Ideas”, published by MIT Press in 2017 and of “Design-Driven Innovation: Changing the Rules of Competition by Radically Innovating what Things Mean”, published by Harvard Business Press in 2009, which has been nominated by the Academy of Management for the George R. Terry Book Award as one of the best 6 management books published in 2008 and 2009. It has been translated in 8 languages. Roberto has issued more than 150 articles, on scientific journals such as Research Policy, Journal of Product Innovation Management, Management Science, and 4 articles on the Harvard Business Review. He has been featured on The Wall Street Journal, The New York Times, Financial Times, Forbes, BusinessWeek and is a regular contributor to the Harvard Business Review online magazine. (More information at [www.verganti.com](http://www.verganti.com))

## SPEAKING AGAINST THE MOTION:

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### DAN LEVINTHAL

Reginald H. Jones Professor of Corporate Strategy at the Wharton School, University of Pennsylvania.

Dan currently serves as Editor-in-Chief of Strategy Science and has previously served as Editor-in-chief of Organization Science and as the Department Editor for Business Strategy at Management Science. His research focuses on questions of organizational adaptation and industry evolution, particularly in the context of technological change.



### SARAH KAPLAN

Director, Institute for Gender and the Economy, Distinguished Professor of Gender & the Economy and Professor of Strategic Management at the University of Toronto’s Rotman School of Management.

She is a co-author of the bestselling business book, *Creative Destruction* as well as *Survive and Thrive: Winning Against Strategic Threats to Your Business*. Her next book, *The 360° Corporation: From Stakeholder Trade-offs to Transformation* will appear in August 2019. Formerly a consultant at McKinsey & Company and a professor at the Wharton School, University of Pennsylvania (where she remains a Senior Fellow), she earned her PhD at the Sloan School of Management at MIT. Her research has covered how organizations participate in and respond to the emergence of new fields and technologies in biotechnology, fiber optics, financial services, nanotechnology and most recently, the field emerging at the nexus of gender and finance. Her current work focuses on applying an innovation lens to understanding the challenges for achieving gender equality. She is a senior editor at Organization Science.

See her twitter at: [@sarah\\_kaplan](#) and [@GenderEconomy](#).

# PARALLEL PAPER SESSIONS 1

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## 1 LABOR MOBILITY: EFFECTS ON INNOVATION AND ACQUISITION

Wednesday, June 19, 15:00-16:30, Room: SPs05, Chair: Ammon Salter 9

**JACOB HOLM, BRAM TIMMERMANS, CHRISTIAN OSTERGAARD, ALEX COAD, NICOLA GRASSANO, ANTONIO VEZZANI:** "Labor mobility from r&d-intensive multinational companies: Implications for knowledge and technology transfer"

**SAID MATR:** "Outbound opening up the innovation process: Implications on outbound labor mobility"

**RAMAKRISHNA DEVARAKONDA, CHANG LIU, STEVO PAVICEVI :** "Employee mobility and likelihood of acquisition"

Discussants: **KRISTIAN NIELSEN, CHANDRIKA RATHEE**

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## 2 ENTREPRENEURSHIP: ENTREPRENEURIAL ECOSYSTEMS

Wednesday, June 19, 15:00-16:30, Room: SPs07, Chair: Paola Criscuolo 17

**PAIGE CLAYTON, MARYANN FELDMAN, BENJAMIN MONTMARTIN:** "Funding emerging ecosystems"

**HELI HELANUMMI-COLE, TOM LAWRENCE:** "Entrepreneurial ecosystems and venture emergence: The role of institutional logics and infrastructure"

Discussants: **EINAR RASMUSSEN, KEIVAN AGHASI**

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## 3 MARKETS FOR TECHNOLOGY: NEW METHODS IN STUDYING IPR

Wednesday, June 19, 15:00-16:30, Room: SPs08, Chair: Stefano Li Pira 23

**LUCA BERCHICCI, VARESKA VAN DE VRANDE:** "Noisy or valuable? The effect of examiner-added citations on firm knowledge flows"

**DANIEL HAIN, ROMAN JUROWETZKI:** "Introduction to rare-event predictive modeling for inferential statisticians – A hands-on application in the prediction of breakthrough patents"

**SAM ARTS, JIANAN HOU, JUAN CARLOS GOMEZ:** "Identifying the creation and impact of new technologies"

Discussants: **ALI MOHAMMADI, DANIËL SPELDEKAMP**

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## 4 UNIVERSITY-INDUSTRY INTERACTION: COLLABORATION AND SPINOFFS

Wednesday, June 19, 15:00-16:30, Room: SPs12, Chair: Florence Blandinieres 29

**IGORS SKUTE, ISABELLA HATAK, KASIA ZALEWSKA-KUREK:** "From idea to market. Examining the early stage university spinoff competence types: an application of topic modeling technique"

**BASTIAN KRIEGER:** "Public university research funding and local university-firm cooperation: An analysis of the German excellence initiative"

**RANI DANG, MAUREEN MCKELVEY, OLOF ZARING:** "Creating, maintaining and dismantling a hybrid space for sustainability research: Exploring the practices of academic engagement in a university-industry centre"

Discussants: **EFFIE KESIDOU, ANJA RÖSNER**

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## 5 SCIENCE: ACADEMIC PRACTICES

Wednesday, June 19, 15:00-16:30, Room: SPs14, Chair: Tiare-Maria Brasseur 35

**THOMAS HEINZE, ARLETTE JAPPE, DAVID PITHAN:** "From North American hegemony to global competition for scientific leadership? Insights from the nobel population"

**PABLO D' ESTE, IRENE RAMOS-VIELBA, NICOLAS ROBINSON-GARCIA:** "Aligning scientific impact and societal relevance: the roles of academic engagement and interdisciplinary research"

**ELIO SHIJAKU, NATHALIE CERON HURTADO:** "Performance feedback in academic journals: Exploring the relationship between journal impact factor and manuscript rejection rates"

Discussants: **POOYAN KHASHABI, KARIN HOISL**

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## 6 INDUSTRIAL DYNAMICS: DIGITAL TECHNOLOGIES AND ADOPTION

Wednesday, June 19, 15:00-16:30, Room: SP103, Chair: Tatevik Harutyunyan 39

**PIERO CACERES DIAZ, MARÍA BELÉN USERO SÁNCHEZ, ANGELES MONTORO-SANCHEZ:** "Digital infrastructure and entrepreneurship: The digital era's enabling effect"

**JANE BOURKE, STEPHEN ROPER:** "Industry 4.0 is coming: The role of ambition in digital adoption by micro-businesses"

**JONATHAN SAPSED, CHRISTINA VASILIOU:** "The craft in stagecraft: Implications for organising and digital technology adoption"

Discussants: **GIANCARLO LAUTO, JITSE DUIJSTERS**

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## 7 INDUSTRIAL DYNAMICS: INNOVATION AND PERFORMANCE

Wednesday, June 19, 15:00-16:30, Room: SP112, Chair: Ksenia Onufrey 44

**MARIANO MASTROGIORGIO, MARIO DANIELE AMORE:** "Serendipitous innovation and financial performance in a shadow options setting: Evidence from patent data"

**LIANG CHEN, PENGXIANG ZHANG, SALI LI, SCOTT TURNER:** "The disruptive effects of generational innovation in digital economy"

**ANUPAMA PHENE, NILOOFAR ABOLFATHI:** "Innovation by competitors and firm performance: the influence of demand side heterogeneity"

Discussants: **KIM WANG, KRISTOF VAN CRIEKINGEN**

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## 8 ORGANIZATIONAL BEHAVIOR: LEARNING, EXPORTS AND SPECIALIZATION

Wednesday, June 19, 15:00-16:30, Room: SP114, Chair: Yeolan Lee 58

**NHIEN NGUYEN, LISA GRÆSLIE:** "To transfer or not to transfer specialized knowledge: the decision-making process in the context of specialization"

**CAROLINE WITTE, MARCUS MØLLER LARSEN:** "A legacy from the informal economy: On the relationship between experimentation and exporting among african SMEs"

**ROMINA GURI, PEDRO DE FARIA, FLORIAN NOSELEIT:** "Learning to export by hiring"

Discussants: **ARJAN MARKUS, ULRICH KAISER**

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## 9 ORGANIZATIONAL BEHAVIOR: HOMOPHILY, DIVERSITY AND CULTURE

Wednesday, June 19, 15:00-16:30, Room: SP207, Chair: Maria Theresa Norn 61

**DAVID YOON, MUSTAPHA BELKHOUJA, MARIO KAFOUROS:** "How diversity influences the rating and visibility of team research outputs?"

**MARC LERCHENMUELLER, KARIN HOISL, LEO SCHMALLENBACH:** "Homophily, biased attention, and the gender gap in science"

**FRANZ BARJAK, FABIAN HEIMSCH:** "The importance of organizational culture and climate for the involvement of Swiss academic research units in knowledge sharing with private companies"

Discussants: **LARISSA RABBIOSI, JOSÉ MATA**

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## PARALLEL PAPER SESSIONS 2

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### 10 OPEN INNOVATION: COLLABORATION STRATEGIES

Wednesday, June 19, 17:00-18:30, Room: SPs03, Chair: Jeff Macher 5

**SILVIA RITA SEDITA, ROBERTO GRANDINETTI:** "Disentangling open innovation strategies in SMEs: A configurational approach"

**MOHAMMAD NASIRI, GEERT DUYSTERS, ZI-LIN HE:** "Multi-partner r&d alliance diversity and innovation performance: The dilemma of value creation and value appropriation"

**HALIMA JIBRIL, STEPHEN ROPER, JANE BOURKE:** "Getting the right recipe: optimal collaboration strategies for radical and incremental service innovators"

Discussants: **PEDRO DE FARIA, MARIANNA MARRA**

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### 11 LABOR MOBILITY: CAREERS AND STATUS

Wednesday, June 19, 17:00-18:30, Room: SPs05, Chair: Karolina Kuta 10

**FRANCESCA MELILLO, VIRGILIO FAILLA, NICOLAI FOSS, TOKE REICHSTEIN:** "When does inequality mean equity? Horizontal wage dispersion and employee mobility"

**JOHANNES KOENIG:** "Leave on a high note!? Postdoctoral academic employment and future non-academic career prospects"

**KRISTINA ANDERSEN, MARK LORENZEN, AGNIESZKA NOWINSKA:** "The broad versus the pointed brush: Status change, stigma, and blame following fast organizational failure"

Discussants: **SAM ARTS, PAUL-EMMANUEL ANCKAERT**

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### 12 GEOGRAPHIES OF INNOVATION: REGIONAL DEVELOPMENT

Wednesday, June 19, 17:00-18:30, Room: SPs07, Chair: Hong Luo 16

**AMIT KUMAR, ELISA OPERTI:** "This cloud has a silver lining economic crisis and technological exploration"

**SANDRO MONTRESOR, ROBERTO ANTONIETTI:** "Regional diversification patterns and key enabling technologies (KETs) in Italian regions"

**SILVIA ROCCHETTA, ANDREA MINA, DIETER KOGLER, CHANGJUN LEE:** "Technological knowledge spaces and the resilience of European regions"

Discussants: **JONATHAN SAPSED, HAAKON LIE**

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### 13 MARKETS FOR TECHNOLOGY: TRADEMARKS AND DESIGN PROTECTION

Wednesday, June 19, 17:00-18:30, Room: SPs08, Chair: Hakan Ozalp 22

**MARKUS NAGLER, STEFAN SORG:** "The disciplinary effect of post-grant review – Causal evidence from European patent opposition"

**DAVID ANDERSSON, ANTON EKMAN, ANTON HUILA, FREDRIK TELL:** "Designing value: Design protection and the market value of firms"

**LORENA MARIA D'AGOSTINO, STEFANO SCHIAVO:** "Trademarks and firm competitiveness: an empirical analysis of the world top R&D spending companies"

Discussants: **SHINJINEE CHATTOPADHYAY, JUNG H. KWON**

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## 14 INNOVATION STRATEGY: FINANCIAL CONSTRAINTS

Wednesday, June 19, 17:00-18:30, Room: SPs12, Chair: Fathiro Putra 24

**SANDRO MONTRESOR, ANTONIO VEZZANI:** "Financial constraints and intangible investments: Deterring or revealed barriers to engage in innovation?"

**MAURICIO PEREZ-ALANIZ, HELENA LENIHAN, JUSTIN DORAN, NOLA HEWITT-DUNDAS:** "Financial resources and firm engagement in scientific and innovative activity: Does firm size matter?"

**MAREK GIEBEL, KORNELIUS KRAFT:** "The sensitivity of R&D to financing constraints of firms as well of their banks before, during and after the financial crisis"

Discussants: **BART LETEN, IGORS SKUTE**

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## 15 INDUSTRIAL DYNAMICS: COMPETITIVE STRATEGY

Wednesday, June 19, 17:00-18:30, Room: SPs14, Chair: Daniel Laufs 30

**ULRICH KAISER, MARKUS REISINGER:** "Strategic product variety choice: Theory and empirical evidence"

**ARCHITA SARMAH:** "Permanent exit or temporary break? Organizational experience and market re-entry after initial exit in the biopharmaceutical industry"

**YING-YIN LIN, JIAJIA LIU, MARCELA MIOZZO:** "Technological capability and industry catch-up in new digital sectors: The evidence from China's digital games industry"

Discussants: **JAN-MICHAEL ROSS, VILMA CHILA**

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## 16 INDUSTRIAL DYNAMICS: NEW TECHNOLOGIES AND INDUSTRIES

Wednesday, June 19, 17:00-18:30, Room: SP103, Chair: Bing Guo 41

**KIM WANG, RUSSELL SEIDLE:** "Ambition in innovation: Technological stock and vicarious learning in the nascent electric scooter sector"

**REINHILDE VEUGELERS, MICHELE PEZZONI, FABIANA VISENTIN:** "How fast is this novel technology going to be a hit?"

**KRISTINA ANDERSEN, MARIANNE FREDERIKSEN, METTE KNUDSEN, ANDERS KRABBE:** "Start-ups' choice of strategic response to regulatory constraints: An analysis of start-ups in the nascent market for drones"

Discussants: **MICHAEL WARD, REBECCA KARP**

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## 17 OPEN INNOVATION: CROWDS AND CONTESTS

Wednesday, June 19, 17:00-18:30, Room: SP112, Chair: Maureen Mckelvey 45

**STEPHAN MANNING, MADELEINE RAUCH, STANISLAV VAVILOV:** "Turning shared into firm-specific resources: The complementarity of local ecosystem and crowdfunding services"

**JONAS HEITE, KARIN HOISL:** "Performance in contests – the role of risk and confidence"

**ALI MOHAMMADI, KOUROSH SHAFI:** "How wise are crowd? a comparative study of crowd and institutions in peer-to-business online lending markets"

Discussants: **OLOF ZARING, JEROEN MAHIEU**

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## 18 ENTREPRENEURSHIP: THE ROLE OF PERSONAL BACKGROUNDS

Wednesday, June 19, 17:00-18:30, Room: SP113, Chair: Sam Tavassoli 52

**FAKHER OMEZZINE, ISABEL BODAS-FREITAS:** "Exaptation and niche market creation: The role of the founding team's prior experiences"

**MARGARET DALZIEL, NADA BASIR:** "Creating high-potential alumni entrepreneurs: The imprinting effect of student work terms"

**NOMINATED FOR THE 2019 STEVEN KLEPPER AWARD FOR BEST YOUNG SCHOLAR PAPER**

**THEODOR VLADASEL:** "Same, but different? Birth order, family size, and sibling sex composition effects in entrepreneurship"

Discussants: **OLOF EJERMO, VALENTINA TARTARI**

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## 19 SOCIAL NETWORKS: INDIVIDUAL AGENCY

Wednesday, June 19, 17:00-18:30, Room: SP114, Chair: Giovanna Capponi 57

**BALINT DIOSZEGI, VALENTINA TARTARI, DANIELLA LAUREIRO-MARTÍNEZ, STEFANO BRUSONI, ANNE TER WAL:** "Agency and intentionality in networking: An interactive experiment"

**ANNA FEDOROVA:** "Not so social networks: Does solitude make us creative?"

**CARLOS INOUE:** "The role of individuals' human and social capital in organizations: Implications of key individuals' temporary absences for organizational performance"

Discussants: **VARESKA VAN DE VRANDE, PABLO D' ESTE**

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## 20 INNOVATION STRATEGY: UNCERTAINTY, INFORMATION AND PERCEPTIONS

Wednesday, June 19, 17:00-18:30, Room: SP207, Chair: Carla Costa 59

**ANISA SHYTI, CORINA PARASCHIV, THOMAS ASTEBRO:** "The role of overconfidence? An experiment on attitudes toward two types of ambiguity"

**LINDE COLEN:** "Taking a step into the unknown: The guiding role of collaboration partners in firms' entry into new research areas"

**LORI DIVITO, GARIMA SHARMA:** "Strategies of multilateral cooperation: Experienced tensions and cooperation capabilities"

Discussants: **EVA PANETTI, KENNETH HUSTED**

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# PARALLEL PAPER SESSIONS 3

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## 21 INNOVATION STRATEGY: KNOWLEDGE INTEGRATION

Thursday, June 20, 09:00-10:30, Room: SPs03, Chair: Federico Tamagni 4

**SHINJINEE CHATTOPADHYAY:** "Generalists, specialists and changes to the knowledge landscape"

**ELISABETH KRULL, KENNETH HUSTED, PETER SMITH:** "Microfoundations of knowledge coordination: A multi-level perspective"

**DI TONG, JAY LEE:** "Knowledge catalysts: The role of generalist incumbents in post-hiring knowledge integration"

Discussants: **VERA ROCHA, CARITA EKLUND**

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## 22 OPEN INNOVATION: PARTNERS AND ALLIANCES

Thursday, June 20, 09:00-10:30, Room: SPs05, Chair: Matilda Axelson 11

**MAXIMILIAN BÖGER, BERNHARD LINGENS:** "How firms set-up ecosystems – The role of attention for finding and integrating potential ecosystem partners"

**YIMEI HU, HUANREN ZHANG:** "Value co-creation and value capture in strategic partnerships: An experimental study on cooperation"

**WALTER BATAGLIA, ANA MARIA BRAGA:** "How relational capability influences alliance's performance through transaction cost"

Discussants: **MARCO GIARRATANA, JOHANNES LOH**

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## 23 GEOGRAPHIES OF INNOVATION: LOCATION, PROXIMITY AND DISTANCE

Thursday, June 20, 09:00-10:30, Room: SPs07, Chair: Ralf Wilden 13

**SAM TAVASSOLI:** "Survival of new entrepreneurial firms: The role of cognitive proximity of entrepreneurs to each other"

**MERCEDES DELGADO, MYRIAM MARIANI, FIONA MURRAY:** "The role of location on the inventor gender gap: Women are geographically constrained"

**SHERYL WINSTON SMITH:** "Should I stay or should I go? Entrepreneurial ecosystems and the relative importance of distance for innovative new ventures"

Discussants: **CHAO CHEN (ROSA) CHUNG, ALIASGHAR BAHOO TORODI**

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## 24 MARKETS FOR TECHNOLOGY: SECRECY AND EXCLUSIVITY

Thursday, June 20, 09:00-10:30, Room: SPs08, Chair: Youngsun Kwon 21

**DMITRY SHARAPOV, SAM MACAULAY:** "From cloaks and traps to sabotage: Design mechanisms for capturing value from knowledge"

**HAAKON LIE, KNUT EGELIE:** "Trade secrets in collaborative research agreements between universities and industry"

**ARMANAKSOY, CATHERINE BEAUDRY:** "The effects of exclusivity and company size on university research commercialisation"

Discussants: **MARKUS NAGLER, BETTINA PETERS**

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## 25 POLICY: MISSION-ORIENTATION AND TAX INCENTIVES

Thursday, June 20, 09:00-10:30, Room: SP512, Chair: Aldona Kapacinskaite 25

**FLORENCE BLANDINIÈRES, DANIELA STEINBRENNER, CHRISTIAN RAMMER, BERND WEISS:** "Are the result of R&D tax incentives literature so unambiguous? A meta-regression analysis"

**MATTHIJS JANSSEN:** "Legitimation and effects of mission-oriented innovation policies: A spillover perspective"

Discussants: **ANDREA MORRISON, ANNA TURSKAYA**

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## 26 SCIENCE: FIRMS' CONTRIBUTION TO SCIENCE

Thursday, June 20, 09:00-10:30, Room: SP514, Chair: Oleg Sidorkin 34

**NICOLA GRASSANO, ROBERTO CAMERANI, DANIELE ROTOLO:** "Do firms publish? A multi-sectoral analysis"

**STEFANO BARUFFALDI, FELIX POEGE:** "A firm scientific community"

Discussants: **ROSSELLA SALANDRA, LEO SCHMALLENBACH**

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## 27 OPEN INNOVATION: USER-CENTRIC INNOVATION AND DESIGN THINKING

Thursday, June 20, 09:00-10:30, Room: SP112, Chair: Roman Jurowetcki 46

**JÖRG CLAUSSEN, MARIA HALBINGER:** "When users become innovators: The role of pre-innovation community experience in a 3D printing platform"

**FATHIRO PUTRA, DAVID LARKIN, SAEED KHANAGHA, KRSTO PANZA:** "Applying design thinking for exploring emerging technologies and creating markets of the future"

**SUSANNE BECK, TIARE-MARIA BRASSEUR, MARION POETZ, HENRY SAUERMAN:** "What's the problem? How crowdsourcing contributes to identifying scientific research questions"

Discussants: **DIRK MARTIGNONI, SAID MATR**

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## 28 INNOVATION STRATEGY: CORPORATE VENTURING

Thursday, June 20, 09:00-10:30, Room: SP113, Chair: Umair Khan 49

**JITSE DUIJSTERS, VARESKA VAN DE VRANDE, JUSTIN JANSEN:** "The extent of corporate venturing and firm performance: The mediating role of portfolio strategies"

**RAFAEL CORREDOIRA, FRANCESCO DI LORENZO:** "Corporate venture capital financing, investor leadership and technological influence of new venture's invention"

Discussants: **STIJN KELCHTERMANS, HALIMA JIBRIL**

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## 29 SOCIAL NETWORKS: DYNAMICS AND OUTCOMES

Thursday, June 20, 09:00-10:30, Room: SP114, Chair: Archita Sarmah 56

**NA ZOU:** "Network effects and microenterprises: An empirical analysis of microenterprises in China"

**ALEXANDER SMIT, MARIUS MEEUS, JÖRG RAAB:** "Do network dynamics differ between technology fields? Describing complete network dynamics using network states and state changes"

**REMCO MANNAK, ARJAN MARKUS, MARIUS MEEUS, JÖRG RAAB, ALEXANDER SMIT:** "Loci of network dynamics and their impact on innovation outcomes: R&D consortia in the Dutch water sector"

Discussants: **JORIS KNOBEN, AZZURRA MEOLI**

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# PARALLEL PAPER SESSIONS 4

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## 30 OPEN INNOVATION: CHALLENGES AND COSTS

Thursday, June 20, 15:00-16:30, Room: SPs03, Chair: Wolf-Hendrik Uhlbach 3

**ANETA OLEKSIK, JEFFREY REUER, DRIES FAEMS, PEDRO DE FARIA:** "The resilience of inherited alliances: Navigating the challenges of alliance partner acquisition"

**EVITA PARASKEVOPOULOU, BING GUO, JOSEP BISBE, LUIS SANTAMARIA:** "Control experience and R&D collaboration: The "if" and "with whom" decisions"

**GEORGE CHONDRAKIS, EDUARDO MELERO, MARI SAKO:** "Plural sourcing and returns to intra-firm coordination"

Discussants: **DANIEL HAIN, STEFANO BARUFFALDI**

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## 31 POLICY: EDUCATION AND LABOR MARKETS

Thursday, June 20, 15:00-16:30, Room: SPs05, Chair: Claudio Fassio 8

**JORIS KNOBEN, PATRICK VERMEULEN, DANIELA RITTER-HAYASHI:** "Cushioning the blow: Labour flexibility and retaining firm innovativeness in times of downsizing"

**TOBIAS SCHULTHEISS, CURDIN PFISTER, USCHI BACKES-GELLNER, ANN-SOPHIE GNEHM:** "Tertiary education expansion and task demand: Does a rising tide lift all boats?"

**VERA ROCHA, OLENKA KACPERCZYK:** "The impact of entrepreneurship on community integration: Evidence from a quasi-natural experiment"

Discussants: **MARGARET DALZIEL, KYUNG YUL LEE**

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## 32 GEOGRAPHIES OF INNOVATION: LOCATION AND INTERNATIONAL NETWORKS

Thursday, June 20, 15:00-16:30, Room: SPs07, Chair: Stephan Manning 14

**CECILIA JONA LASINIO, VALENTINA MELICIANI:** "Global value chains and productivity growth in advanced economies: Does intangible capital matter?"

**JOHN CANTWELL, MARIANNA MARRA, SARAH EDRIS, SUMA ATHREYE:** "The evolution of the international knowledge networks of innovative MNEs in the pharmaceutical industry"

**SERGIO PETRALIA, RICCARDO CRESCENZI, DAVID ARNOLD:** "Specialization, communication costs & the location decisions of firms' R&D activities"

Discussants: **JACOB HOLM, RICCARDO SAVIO**

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## 33 INNOVATION STRATEGY: POST-ACQUISITION EMPLOYEE TURNOVER

Thursday, June 20, 15:00-16:30, Room: SPs08, Chair: Bilgehan Uzunca 19

**LUCA VERGINER, FEDERICA PARISI, JEROEN VAN LIDTH DE JEUDE, MASSIMO RICCABONI:** "The impact of acquisitions on inventor turnover in the pharmaceutical sector"

**JOHANNES LOH, POOYAN KHASHABI, JÖRG CLAUSSEN, TOBIAS KRETSCHMER:** "Who is gone after an acquisition? Evidence from the U.S. video game industry"

Discussants: **HANS KONGSTED, ANNA FEDOROVA**

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## 34 POLICY: INCUBATORS AND START-UP SUBSIDIES

Thursday, June 20, 15:00-16:30, Room: SPs12, Chair: Mareike Seifried 26

**HANNA HOTTENROTT, ROBERT RICHSTEIN:** "Start-up subsidies: Does the policy instrument matter?"

**OLOF EJERMO:** "Incubators, innovation and productivity"

**KEIVAN AGHASI, STELIOS KAVADIAS:** "Exploring the impact of organizational sponsorship on the entrepreneurial journey of the nascent ventures: The case of start-up pitch competition"

Discussants: **FRANCESCA MELILLO, MARTIN MURMANN**

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## 35 SCIENCE: THE ROLE OF SCIENTIFIC KNOWLEDGE

Thursday, June 20, 15:00-16:30, Room: SPs14, Chair: Caroline Witte 33

**CHANDRIKA RATHEE, MARCO GIARRATANA, KONSTANTINA VALOGIANNI:** "Scientific knowledge – A missing link to understand firm innovation in a high technology industry"

**LINDE COLEN, RENE BELDERBOS, STIJN KELCHTERMANS, BART LETEN:** "Many are called, few are chosen: The role of science in drug development decisions"

**JAN-BART VERVENNE, SAM ARTS, BART VAN LOOY:** "Science today, technology tomorrow: An empirical analysis of the relationship between science-technology 'lead time' and firm performance"

Discussants: **STEPHEN ROPER, XIGUANG CHEN**

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## 36 INDUSTRIAL DYNAMICS: LONG-TERM TRANSFORMATIONS

Thursday, June 20, 15:00-16:30, Room: SP103, Chair: Eric Fong 37

**KSENIA ONUFREY, ANNA BERGEK:** "Transformation in a mature industry: The role of business and innovation strategies"

**AGATA KAPTURKIEWICZ, MASAHIRO KOTOSAKA:** "Long-term development of an emerging field – The role of intra-field and cross-field institutional work. Evidence from the ICT entrepreneurial ecosystem in Japan"

Discussants: **ADAM NOVOTNY, MAXIMILIAN BÖGER**

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## 37 INDUSTRIAL DYNAMICS: ENABLING TECHNOLOGIES

Thursday, June 20, 15:00-16:30, Room: SP208, Chair: Mariano Mastrogiorgio 40

**NEIL THOMPSON, SVENJA SPANUTH:** "The decline of computers as a general purpose technology: Why deep learning and the end of Moore's Law are fragmenting computing"

**MILAN MIRIC, HAKAN OZALP:** "Paradox of middleware: Innovation enabler and creativity constraint"

**NEVA BOJOVIC ZEC:** "From electronic nose to digital olfaction: Emergence of markets and meanings for enabling technology"

Discussants: **BEATRICE D'IPPOLITO, ANNA SCEDROVA**

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## 38 OPEN INNOVATION: ONLINE PLATFORMS, PEERS AND EXPERTS

Thursday, June 20, 15:00-16:30, Room: SP112, Chair: Paige Clayton 47

**HONG LUO, JEFF MACHER, MICHAEL WAHLEN:** "Judgment aggregation in creative production: Evidence from the movie industry"

**JOHANNES LOH:** "Peer recommendations, consumption variety, and product performance: Evidence from a digital music platform"

**TOM GRAD, CHRISTIAN GARAUS, CHRISTOPHER LETTL:** "The role of knowledge similarity for self-selection and evaluation quality in crowd evaluation"

Discussants: **JAY LEE, BASTIAN KRIEGER**

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## 39 INDUSTRIAL DYNAMICS: SPIN-OUTS AND KNOWLEDGE RELATEDNESS

Thursday, June 20, 15:00-16:30, Room: SP113, Chair: Silvia Rita Sedita 48

**NOMINATED FOR THE 2019 STEVEN KLEPPER AWARD FOR BEST YOUNG SCHOLAR PAPER**

**ALIASGHAR BAHOO TORODI:** "The double-edged sword of knowledge inheritance; knowledge relatedness and spin-outs' performance"

**JAN-MICHAEL ROSS, RICCARDO FINI, MARKUS PERKMANN:** "Attention to exploration: Employee entrepreneurship in R&D organizations"

**VILMA CHILA, SHIVARAM DEVARAKONDA:** "Contingent incentives and spin-out formation"

Discussants: **THOMAS HEINZE, KELD LAURSEN**

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## 40 SOCIAL NETWORKS: FIRMS' STRATEGIC USE OF EMPLOYEE SOCIAL NETWORKS

Thursday, June 20, 15:00-16:30, Room: SP114, Chair: Dmitry Sharapov 55

**JULIA BRENNECKE, WOLFGANG SOFKA, OLAF RANK:** "Individual-level and unit-level knowledge transfers for innovation – A multilevel network approach"

**MAUREEN MCKELVEY, KARIN BERG:** "How academic engagement through graduate students can affect firms' search capabilities for innovation"

Discussants: **TIM SCHWEISFURTH, ARAKSYA AYVAZYAN**

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## 41 SOCIAL NETWORKS: INPUTS TO INNOVATION

Thursday, June 20, 15:00-16:30, Room: SP207, Chair: Agnieszka Nowinska 60

**RAM MUDAMBI, ALESSANDRA PERRI, ALBA MARINO, VITTORIA G. SCALERA:** "Ties that bind: The role of ethnic inventors in multinational enterprises' knowledge creation"

**STEFANO LI PIRA, ANNA MORETTI, FRANCESCO ZIRPOLI:** "How does governance consistency of a firm's strong ties impact on its innovation performance? The relevance of a relational embeddedness perspective"

**CLAUDIO FASSIO, ALDO GEUNA, FEDERICA ROSSI:** "The role of industrial inventors' networks in facilitating interactions with international universities"

Discussants: **KRISTINA ANDERSEN, CARLOS INOUE**

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## PARALLEL PAPER SESSIONS 5

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### 42 INNOVATION STRATEGY: NORMS AND INSTITUTIONS

Friday, June 21, 09:00-10:30, Room: SPs03, Chair: Johannes Koenig 2

**FEDERICA FOCE MASSA SALUZZO, LAURA TOSCHI:** "The impact of local social norms on access to finance: The case of environmental entrepreneurship"

**SHANYUN LU, JERKER MOODYSSON:** "Strategic navigating through institutions: An incumbent's journey of sustainable innovation"

**NOOA NYKÄNEN:** "Following the old road: Organizational imprinting and regional development of Russia"

Discussants: **FERRAN GIONES, MAREK GIEBEL**

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### 43 INNOVATION STRATEGY: STRATEGIC USE OF LOCATION AND SOCIAL CAPITAL

Friday, June 21, 09:00-10:30, Room: SPs05, Chair: Arman Aksoy 7

**JOHN DE FIGUEIREDO, DAVIN RAIHA:** "Economic influence activities and strategic location investment"

**TATEVIK HARUTYUNYAN, BRAM TIMMERMANS, LARS FREDERIKSEN:** "Board member experience and the performance of new ventures"

**FRANCESCO DI LORENZO, ANUPAMA PHENE, PAUL ALMEIDA, LARISSA RABBIOSI:** "Building on immigrant knowledge: Non-ethnic community inventors and knowledge sourcing behavior"

Discussants: **CECILIA JONA LASINIO, THEODOR VLADASEL**

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### 44 GEOGRAPHIES OF INNOVATION: PROXIMITY AND MICROGEOGRAPHY

Friday, June 21, 09:00-10:30, Room: SPs07, Chair: Elena Kosmopoulou 15

**MATTEO DEVIGILI, TOMMASO PUCCI, LORENZO ZANNI:** "Looking for the red thread: A systematic literature review on proximity and innovation"

**AGNIESZKA NOWINSKA, TORBEN PEDERSEN:** "Horizontal and vertical distance and knowledge sharing"

**MARCO FERRETTI, MASSIMILIANO GUERINI, EVA PANETTI, ADELE PARMENTOLA:** "Near or far? The role of micro-geographic distance in inter-organizational relationships in local innovation ecosystems"

Discussants: **JÖRG CLAUSSEN, MOHAMMAD NASIRI**

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### 45 MARKETS FOR TECHNOLOGY: IP STRATEGIES

Friday, June 21, 09:00-10:30, Room: SPs08, Chair: Patrick Lehnert 20

**JUNG H. KWON, HAEMIN PARK:** "Patent renewals as an intellectual property rights management strategy"

**GIOVANNA CAPPONI:** "Patents and secrecy: Combining and comparing their effectiveness for innovation protection"

**YEOLAN LEE, ERIC FONG:** "Unveiling sources of evergreening"

Discussants: **REINHILDE VEUGELERS, GEORGE CHONDRAKIS**

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## 46 POLICY: R&D SUBSIDIES

Friday, June 21, 09:00-10:30, Room: SPs12, Chair: Madeleine Rauch 27

**OLEG SIDORKIN, PETR HORÁK:** "The causal effect of R&D subsidies revisited: Instrumental variable approach"

**EVITA PARASKEVOPOULOU:** "Public financing for R&D and collective symbolic claims: Do they work and for whom?"

**BETTINA PETERS, PHILIPP BÖING:** "Effectiveness and efficacy of R&D subsidies: Estimating treatment effects with one-sided noncompliance"

Discussants: **WALTER BATAGLIA, TÖNIS TÄNAV**

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## 47 INNOVATION STRATEGY: DECISIONS, CHOICES AND LEARNING

Friday, June 21, 09:00-10:30, Room: SPs14, Chair: David Andersson 31

**PAOLA CRISCUOLO, LINUS DAHLANDER, THORSTEN GROHSJEAN, AMMON SALTER:** "The sequence effect on the selection of R&D projects"

**KYUNG YUL LEE, HYUN JU JUNG, YOUNGSUN KWON:** "Paths to architectural innovation, winning experiences with or without failure: A behavioral perspective"

**DIRK MARTIGNONI:** "The post-entry liability of pre-entry success knowledge"

Discussants: **CHRISTOPH GRIMPE, SANDRO MONTRESOR**

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## 48 INNOVATION STRATEGY: UNCERTAINTY AND SEARCH

Friday, June 21, 09:00-10:30, Room: SP207, Chair: Wolfgang Sofka 32

**VAUGHN TAN:** "Intentional goal uncertainty: A definition and a theoretical model linking it with innovation performance"

**YEN-CHEN HO, HAMID FOROUGH:** "Memento: In search of past knowledge"

**REBECCA KARP:** "What kind of village fosters entrepreneurial new venture development?"

Discussants: **HANNA HOTTENROTT, MATTEO DEVIGILI**

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## 49 INDUSTRIAL DYNAMICS: RISK-MITIGATING TECHNOLOGIES

Friday, June 21, 09:00-10:30, Room: SP103, Chair: Neva Bojovic Zec 38

**ALBERTO GALASSO, HONG LUO:** "Risk mitigating technologies: The case of radiation diagnostic devices"

**JARNO HOEKMAN:** "Emerging risks over the technological life-cycle: An analysis of pharmaceutical innovation"

Discussants: **YEN-CHEN HO, HELI HELANUMMI-COLE**

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## 50 INDUSTRIAL DYNAMICS: GROWTH

Friday, June 21, 09:00-10:30, Room: SP112, Chair: Owais Golra 43

**LIHONG QIAN, KIM WANG:** "Technology advancement and firm performance: A study of sales growth in the flat panel display industry"

**CARITA EKLUND:** "Why do some SMEs become high growth firms? The role of employee competences"

Discussants: **EDUARDO MELERO, AGATA KAPTURKIEWICZ**

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## **51** ENTREPRENEURSHIP: ENTREPRENEURS AND EARNINGS

Friday, June 21, 09:00-10:30, Room: SP113, Chair: Maral Mahdad 50

**ELENA KULCHINA, PERNILLE GJERLØV-JUEL:** "Entrepreneur – A jockey or a horse owner?"

**KRISTIAN NIELSEN, JACOB HOLM, BRAM TIMMERMANS:** "Work organization and entrepreneurship"

**JEROEN MAHIEU, FRANCESCA MELILLO:** "Earnings trajectories of former entrepreneurs"

Discussants: **ANNE TER WAL, SAM MACAULAY**

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## **52** ORGANIZATIONAL BEHAVIOR: INDIVIDUALS AND ORGANIZATIONAL PERFORMANCE

Friday, June 21, 09:00-10:30, Room: SP114, Chair: Florian Huber 53

**MICHAEL WARD, ALEXANDER HARMON:** "E-Sport superstars"

**GIANCARLO LAUTO, NICOLE BELFANTI:** "A configurational approach to the adoption of management innovation. The case of a lean transformation in the food industry"

**JOSÉ MATA, UMAIR KHAN:** "CEO narcissism and innovation strategy: Evidence from CEOs successions"

Discussants: **JULIA BRENNECKE, VIDYA ORUGANTI**

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# PARALLEL PAPER SESSIONS 6

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## 53 INDUSTRIAL DYNAMICS: PLATFORM ECOSYSTEMS

Friday, June 21, 15:00-16:30, Room: SPs03, Chair: Na Zou 1

**FLORIAN HUBER, BERNHARD LINGENS:** "Towards an attention-based view of the ecosystem: How firms shape organizational structures among ecosystem actors"

**HAKAN OZALP, JP EGGERS, FRANCO MALERBA:** "Hitting reset: How the dynamics of platform evolution affect the value of firm experience"

**VIDYA ORUGANTI, VINCENT MANGEMATIN:** "A focal firm's orchestration of a platform-based ecosystem and the role of complementor exclusivity"

Discussants: **DAVID YOON, MICHAEL WAHLEN**

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## 54 LABOR MOBILITY: MIGRANT ENTREPRENEURS AND INNOVATORS

Friday, June 21, 15:00-16:30, Room: SPs05, Chair: Ramakrishna Devarakonda 6

**WOLF-HENDRIK UHLBACH, VALENTINA TARTARI, HANS KONGSTED:** "Beyond scientific excellence: are internationally mobile researchers more likely to become academic entrepreneurs?"

**JOE RAFFIEE, MARTIN GANCO, RAJSHREE AGARWAL:** "Job-education match and immigrant entrepreneurship: Theory and evidence from graduates in science and engineering"

**KELD LAURSEN, BART LETEN, NGOC HAN NGUYEN, MARC VANCAUTEREN:** "The effect of high-skilled migrant hires and integration capacity on firm-level innovation performance: Is there a premium?"

Discussants: **VIRGILIO FAILLA, FELIX POEGE**

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## 55 GEOGRAPHIES OF INNOVATION: GLOBAL-LOCAL NETWORKS

Friday, June 21, 15:00-16:30, Room: SPs07, Chair: Niloofar Abolfathi 12

**EFFIE KESIDOU, EMMANUELLA PLAKOYIANNAKI, JANJA TARDIOS:** "How radical design innovations emerge in the periphery? The case of the Bauhaus movement in Germany"

**STEPHAN MANNING, STANISLAV VAVILOV:** "Supporting social ventures in institutional voids: The emergence of a transnational entrepreneurial ecosystem for East Africa"

**ALEKSANDRA GREGORIC, LARISSA RABBIOSI, GRAZIA SANTANGELO:** "Diaspora ownership and technological licensing by emerging market"

Discussants: **FRANCESCO DI LORENZO, YING-YIN LIN**

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## 56 OPEN INNOVATION: THE VALUE OF ACQUISITIONS

Friday, June 21, 15:00-16:30, Room: SPs08, Chair: Romina Guri 18

**CHRISTOPH GRIMPE, KATRIN HUSSINGER, WOLFGANG SOFKA:** "Firm acquisitions, resource complementarity and the access to localized knowledge"

**GEORGE CHONDRAKIS, CARLOS SERRANO, ROSEMARIE ZIEDONIS:** "Information disclosure and the market for acquiring technology companies"

Discussants: **ALEXANDER SMIT, SHANYUN LU**

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## 57 POLICY: PUBLIC RESEARCH

Friday, June 21, 15:00-16:30, Room: SPs12, Chair: Tobias Schultheiss 28

**PATRICK LEHNERT, CURDIN PFISTER, DIETMAR HARHOFF, USCHI BACKES-GELLNER:** "The innovation effect of the introduction of universities of applied sciences in Germany: interdependencies between different types of research institutions"

**DIEGO COMIN, GEORG LICHT, MAIKEL PELLENS, TORBEN SCHUBERT:** "Do companies benefit from public research organisations? The impact of the Fraunhofer society in Germany"

Discussants: **ISABEL BODAS-FREITAS, ELISABETH KRULL**

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## 58 INDUSTRIAL DYNAMICS: RESPONSES OF INCUMBENTS TO INNOVATION

Friday, June 21, 15:00-16:30, Room: SP103, Chair: Nicola Grassano 36

**ANITA MCGAHAN, JAY SHAW, PAYAL AGARWAL:** "Negotiated settlements among stakeholders: Creating capacity to confront disruption"

**BILGEHAN UZUNCA, IRENE BECCARINI, PINAR OZCAN:** "Taxis against Uber: The effectiveness of public versus private tactics and issue framing in incumbents' resistance to new entrants"

**GEORGE BALL, JEFF MACHER, ARIEL STERN:** "Recalls, innovation, and competitor response: evidence from medical device firms"

Discussants: **SHERYL WINSTON SMITH, MAURICIO PEREZ-ALANIZ**

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## 59 OPEN INNOVATION: ADVANTAGES OF OPENNESS

Friday, June 21, 15:00-16:30, Room: SP112, Chair: Yimei Hu 42

**KRISTOF VAN CRIEKINGEN:** "External information sourcing and lead time advantage in product innovation"

**SALEH FARAZI, SHANTHI GOPALAKRISHNAN, MICHAEL SANTORO, ALI SAMEI:** "Technology alliances: Disentangling knowledge resources to target financial capital"

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**ARAKSYA AYVAZIAN, SAID MATR:** "What's there to gain? Outbound openness and markets for technology"

Discussants: **ANTONIO VEZZANI, CHIPO NGONGONI**

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## 60 ENTREPRENEURSHIP: ANTECEDENTS

Friday, June 21, 15:00-16:30, Room: SP113, Chair: Noora Nykänen 51

**ARGYRO (IRO) NIKIFOROU, JOHN DENCKER, MARC GRUBER:** "Necessity entrepreneurship and industry choice in new firm creation"

**AZZURRA MEOLI:** "Entrepreneurship as a consequence of career misfit: A person-environment fit approach"

**SEBASTIAN CAMARERO GARCIA, MARTIN MURMANN:** "Unemployment benefits and startup success: Evidence from Germany"

Discussants: **BRAM TIMMERMANS, MILAN MIRIC**

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## 61 ORGANIZATIONAL BEHAVIOR: EMPLOYEE CONTRIBUTIONS TO INNOVATION AND COMMERCIALIZATION

Friday, June 21, 15:00-16:30, Room: SP114, Chair: Evita Paraskevopoulou 54

**TIM SCHWEISFURTH, CHRISTINA RAASCH, ANNE GREUL:** "Will employees try again? – Contingencies of serial idea submissions"

**RALF WILDEN, KRITHIKA RANDHAWA, SIGGI GUDERGAN:** "A microfoundational view of open innovation: Investigating the role of the lower-level managers"

**ANNA SCEDROVA, ROBERT MORGAN, LUIGI DE LUCA:** "Decomposing the role of individual – and firm-level capabilities for scientifically-based innovation commercialization"

Discussants: **MATTHIJS JANSSEN, TOM GRAD**

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# POSTER PRESENTATIONS

Thursday, June 20, 10:30-11:00 and 14:30-15:00 (CBS Lobby)

**DANIËL SPELDEKAMP, JORIS KNOBEN, AYSE SAKA-HELMHOUT:** “A configurational analysis of firm-level innovation in European aerospace clusters”

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**HAZHIR RAHMANDAD:** “Interdependence, complementarity, and ruggedness of performance landscapes”

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**OWAIS GOLRA, ALESSANDRO ROSIELLO, RICHARD HARRISON:** “Influence of Firms’ Network Position on their Innovation Outcome in a Mature Industrial Cluster”

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**CARLA COSTA, NITZAN MERGUEI:** “Creating Pirates: Diversity Matters in Pre-Acceleration Programs”

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**RAPHAEL MARTINS:** “The Strategic Implications of Organizational Forgetting: Impacts on Vertical Integration”

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**ANNA DUBIEL, HOLGER ERNST, SEBASTIAN GLOECKNER:** “Whom to Ask for Help? Leveraging the Sales Force to Develop Customer Knowledge in New Product Developments: Salesperson and Customer Characteristics to Consider”

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**CHIPO NGONGONI, SARA GROBBELAAR, CORNELIUS SCHUTTE:** “Learning from the Past: Soft Systems Methodology as a Tool for Reflective Innovation Ecosystem Management”

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**ZHENDONG LI, MARINA ZHANG, HUIYING ZHANG:** “How to Improve Firm Performance by Balancing Innovation Orientations of Exploration and Exploitation? Moderating Effects of Cluster Relationships”

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**ADRIÁN ESPINOSA-GRACIA, JULIO SÁNCHEZ-CHÓLIZ, ALFONSO SÁNCHEZ-HORMIGO:** “Structural change and paradigm shifts: identifying two Kondratieff waves from the Great Depression to the Great Recession”

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**RICCARDO SAVIO, FRANCESCO CASTELLANETA, ALESSANDRO ZATTONI:** “Enjoy today, because nothing is sure about tomorrow. Unintended effects of temporal debt suspension”

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**ALDONA KAPACINSKAITE, COLLEEN CUNNINGHAM:** “Experimenting Strategically: Inter-Firm Relationships and “In the Field” Innovation”

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**DING NAN, FENGCHAO LIU:** “Local and distant collaboration, intra-organizational network and firm innovation performance”

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**AGNIESZKA NOWINSKA, SERGEJS GROSKOV, IOANNA CONSTANTIOU:** “Micro-foundations of platform-complementor cooperation”

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**CARLO CORRADINI, BEATRICE D’IPPOLITO:** “On the complementarities of design and product innovation within firms”

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**FINN SEMRAU, AOIFE HANLEY:** “Stepping up to the mark? Firms’ export activity and environmental innovation in 14 European countries”

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**MARYANN FELDMAN, HANS KONGSTED, VALENTINA TARTARI:** “The Demand for Science Funding”

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**MARCUS CONLÉ, WEI ZHA, TOBIAS TEN BRINK:** “New R&D Institutes in Guangdong, China: Towards Knowledge-based Regional Development”

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**PILAR BERNAL ANSON, JUAN P. MAÍCAS, PILAR VARGAS:** “Understanding the Innovative Behavior of Firms: The Effect of Persistence Decisions on Innovation Performance”

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**XIGUANG CHEN, HUIYING ZHANG, MICHAEL MOL:** “How to appropriate value in formal and informal open innovation: A perspective of strong ties and weak ties”

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**TÖNIS TÄNAV:** “Dynamics of firm innovation strategies”

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**PEDRO OLIVEIRA, LEID ZEJNILOVIC, HELENA CANHÃO:** “Development and adoption of innovations developed by patients”

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**ADAM NOVOTNY, EINAR RASMUSSEN, PAUL WESTHEAD:** “Technology Transfer Office Services Use and University Spin-Off Sales Performance”

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**DANIEL LAUFS, FERRAN GIONES, CARSTEN SCHULTZ:** “The Evolution of Ecosystems for Complex Biotechnologies: Barriers for Technology Exploration and Exploitation”

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**NIKOLAUS SEITZ, PATRICK HASLANGER, ERIK LEHMANN:** “Corporate Accelerators and Start-up Performance”

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**MAREIKE SEIFRIED, TOBIAS KRETSCHMER, ROMAN JUROWETZKI:** “Career Paths in Digital Marketplaces: Same, same but different?”

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**HENRIK Blichfeldt, Mette Knudsen, Martin Hannibal:** “The Potential of Additive Manufacturing: A Market, Product and Process Development Perspective”

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# SOCIAL PROGRAM

## DRUID DINNER and Paper Award Ceremony

Included in conference registration

**Thursday, June 20, 19:00-23:00**

North Atlantic House, Strandgade 91, 1401 Copenhagen K  
<https://goo.gl/maps/4cMFXjPQDXrzXUaSA>  
 5 minutes walk from downtown across the Inner Harbor bridge (Metro: Kongens Nytorv)

The grand DRUID DINNER is known for its excellent food and high fun factor. This year we will wine and dine in the midst of the historic Copenhagen Inner Harbor. We sip our drinks on the historic quay that used to be the heart of Danish trade with Greenland, the Faeroe Island and Iceland, before dining inside the North Atlantic warehouse, built in 1766 to contain furs and whale blubber and later hosting the world-famous restaurant NOMA. Given the history of the venue, our menu will of course mix international flavors with New Nordic cuisine with (don't worry, we have cut down on whale blubber and live ants).

## DRUID DRINKS

Included in conference registration

**Wednesday, June 19, 18:30-19:30**

(CBS Kilen)

In the setting of CBS' most architecturally stunning building, we enjoy a glass, some snacks, and some state-of-the-art technology-based music. Meet up with old and new DRUID friends, relax, and fuel up before you venture out into Copenhagen's dinner options.

After the drinks, dinner to be self-organized in town.

## DRUID DECADENCE After Party

Not included in the conference fee and registration and pre-payment is required. Please see your online conference profile.

**Friday, June 21, 19:30-?**

Tempelriddersalen, NY Kongensgade 9C, 1472 Copenhagen K  
<https://goo.gl/maps/W7FEPBEBex7rhVLXA>

A short walk from downtown (Metro: Nørreport)

A true DRUID tradition, DRUID DECADENCE has made DRUIDs dining and dancing the night away in Copenhagen, London, Barcelona, Rome, and New York. This year, we have found a suitable meeting place for DRUIDs: The Hall of the Knights Templar, a 17th century building hidden in the historical center of town behind Parliament and the National Museum. Originally housing Copenhagen's main station for horse-drawn fire engines before it was used by the Knights Templar, the hall will once more feel the fire as it is temporarily taken over by the DRUID BBQ party, drinks and DJ. Afterwards, we cross the canals in order to join the locals for a nightcap in our favorite secret bar in the historical old harbor quarters.



## DRUID DISCOVERIES Excursions

The excursions are not included in the conference fee and registration and pre-payment is required. Please see your online conference profile.

All excursions will begin at the conference venue and end at the DRUID Conference Dinner.

**Thursday, 20 June, 16:30-19:00**

### DISCOVERY 1: Copenhagenize! Bike excursion

Pick-up: 16:30 at main conference venue (CBS).

End: 19:00 at the DRUID Conference Dinner venue.

With 45% of Copenhageners cycling to work every day, the bike is loved almost like a member of the family. The city is flat and offers a world-class cycling infrastructure, allowing cyclists to travel faster than cars and go places where other traffic cannot go. Join us on a trip into Copenhagen's fun, picturesque and architecturally innovative cycling lanes, paths and bridges. Unlike the locals, you may not wear suit and stilettos or carry children, dogs and shopping on your designer bike, but there is room for everyone on Copenhagen's safe cycle lanes. You do not need to be an ardent cyclist to join.

Guided tour, bikes and protective gear provided, and a refreshment en route included.

### DISCOVERY 2: City Walk! Classic sightseeing with a twist

Pick-up: 16:30 at main conference venue (CBS). End: 19:00 at the DRUID Conference Dinner venue.

Join us for a city walk covering some of Copenhagen's classic sights, including The Royal Theatre, Nyhavn, The Harbour Bridges, The Royal Castle, The Opera, and perhaps, the (Very!) Little Mermaid. It will be two hour's lovely, quaint, relaxed walk, offering the guides' personal perspectives on the city, city planning, as well as few tips for unusual sights, and a refreshment in the guide's personal favourite haunt. Walking distance: Around 3 kilometres over 2 hours.

### DISCOVERY 3: GoBoat! Try your own luck as captain on the Copenhagen canals

Pick-up: 16:30 at main conference venue

(CBS). End: 19:00 at the DRUID Conference Dinner venue.

All the Danish design and Nordic Food hype aside, Copenhagen remains a harbor city, with pretty canals winding through quaint neighborhoods and citizens living, swimming, rowing, and peddling home-made boats in the harbor. Why not try your luck at steering your own small solar-powered and carbon neutral boat and explore Copenhagen from a new angle? Don't worry, the boats are easy to operate, and there is time to sip a cold drink as you practice your nautical terms.

Guided tour, life vests provided and a refreshment at sea included.

### DISCOVERY 4: JUST DRUID! Your own way

No registration required - walk at your own initiative and leisure!  
Assembly point: Main lobby 16:30.

Wind your own way through the temptations of Copenhagen, until you arrive at the DRUID Dinner venue. At your own peril: Drinks might be involved, so pick your excursion partners carefully!

Please be at the DRUID Dinner by 19:00. Walking from downtown Copenhagen across the scenic Inner Harbour bridge approx. 500 meters/5 minutes. Walking from the conference venue approx. 5 kilometres/60 minutes.



# NOMINEES FOR THE 2019 STEVEN KLEPPER AWARD FOR BEST YOUNG SCHOLAR PAPER

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## PAPER NO. 1: “THE DOUBLE-EDGED SWORD OF KNOWLEDGE INHERITANCE; KNOWLEDGE RELATEDNESS AND SPIN-OUTS’ PERFORMANCE”

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### ALIASGHER BAHOO TORODI

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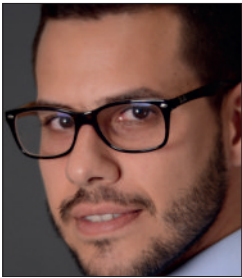
[www.unibo.it/sitoweb/a.bahoo](http://www.unibo.it/sitoweb/a.bahoo)

## ABSTRACT

This study explores the impact of knowledge relatedness with parent organizations on the performance of start-ups founded by former employees of those incumbent firms. Building on the entrepreneurship literature on spin-outs, I argue that the degree to which spin-outs’ technological and market knowledge bases overlap with their parent organizations has a nonlinear impact on their performance - innovativeness and survival. Knowledge relatedness is beneficial to spin-outs because it reduces the uncertainty surrounding the early steps of a new venture. However, excessive overlap with the parent’s technological and market capabilities may hamper the search for new combinations in areas distant from the core knowledge of the parent organization. Moreover, substantial market overlap may spark the parent’s hostile reaction, giving rise to disruptive competition. These two effects in turn reduce the spinout’s likelihood of survival. Also, I argue that the overlap-performance relationship is moderated by the founders’ hierarchical position in the parent firms. The analysis of 131 biotech spin-outs spawned by 116 industry incumbents supported my hypotheses. The results contribute to the literature on the genealogical perspective on firm formation, knowledge inheritance, and spin-outs performance.

## PAPER NO. 2: “SAME, BUT DIFFERENT? BIRTH ORDER, FAMILY SIZE, AND SIBLING SEX COMPOSITION EFFECTS IN ENTREPRENEURSHIP”

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### THEODOR LUCIAN VLADASEL

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### ABSTRACT

How does family background affect entrepreneurship? Beyond exposing siblings to common features such as human capital and financial resources, the family context also generates sibling differences. In this paper, I assess the differential effects of birth order, family size, and sibling sex composition on unincorporated and incorporated entrepreneurship in a set of causal exercises using Swedish register data. First, while later born men are more likely to become unincorporated entrepreneurs, this effect is explained by their lower education and poorer labor market prospects, pointing towards the subsistence nature of this type of entrepreneurship. Second, I find limited evidence of causal family size effects in linear and non-linear instrumental variable approaches. Third, while I find no pure sibling sex composition effect, there is a small negative effect of having a brother on the father-daughter association in unincorporated entrepreneurship. Fourth, neither source of within-family heterogeneity exhibits a clear relationship with incorporation, although children with more than four siblings are less likely to become incorporated business owners. Finally, accounting for within-family differences increases previously estimated sibling correlations by little. The results confirm the role of families in generating sibling similarities, rather than differences in entrepreneurship.

## PAPER NO. 3: “WHAT’S THERE TO GAIN? OUTBOUND OPENNESS AND MARKETS FOR TECHNOLOGY”

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## ABSTRACT

Previous literature on outbound open innovation examining the reasons for opening up mostly assumes that openness encourages other players in the market to build upon the newly available knowledge. This paper investigates how the focal firms internalize on their decision to adopt an outbound open innovation approach for no direct financial benefits. We argue that firms can benefit from strategic openness by enabling their involvement in markets for technology and facilitating transactions for intellectual property rights (IPRs), through buying and selling actions. Besides, the firm can internally develop on the subsequent knowledge created by others. We use the variation in IBM’s IP strategy toward more openness, coming from the decision of IBM to pledge 500 of its patents to the public in 2005, which allows us to implement a difference-in-differences approach between 1999 and 2010. Our results imply that IBM utilizes the created knowledge that used the liberated knowledge via the in-house R&D or through acquisitions in the markets for technology. Further, IBM sells more technologies proportionally with its level

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Christophe Feder	Università della Valle D'Aosta / BRICK
Cintia Kulzer Sacilotto	University of Oxford
Clara Aranda-Jan	University of Cambridge
Corina Paraschiv	Paris Descartes University
Cristiano Antonelli	Università di Torino & Collegio Carlo Alberto
Daniel Hain	Aalborg University
Daniel Ljungberg	University of Gothenburg
Daniela Silvestri	KU Leuven - Cà foscari University
Daniele Moschella	Scuola Superiore Sant' Anna
David Doloreux	HEC Montreal
Dirk Engel	University of Applied Science Stralsund
Dirk Martignoni	Herr
Dmitry Sharapov	Imperial College Business School
Dominik Heinisch	University of Kassel
Eduardo Melero	Universidad Carlos III de Madrid
Effe Kesidou	University of Leeds
Einar Rasmussen	Nord University
Elena Golovko	Tilburg University
Elena Novelli	City University London
Elena Tur	Eindhoven University of Technology
Elena Vidal	Baruch College CUNY
Elizabeth Altman	University of Massachusetts Lowell
Elizabeth Webster	Swinburne University of Technology
Erik Stam	Utrecht University School of Economics
Erin Scott	MIT Sloan School of Management
Ethan Gifford	University of Gothenburg
Euju Jeon	Aalto University
Eva Hagsten	Swedish Agency for Economic and Regional Growth
Fabian Gaessler	Technical University of Munich
Fabian Unterlass	WIFO
Fabio Montobbio	Università Cattolica del Sacro Cuore, Milan, Italy
Fausto Di Vincenzo	G. d'Annunzio University
Federica Ceci	Università G.d'Annunzio
Federica Rossi	Birkbeck College, University of London
Federico Tamagni	Scuola Superiore Sant'Anna

Name	University
Fernanda Reichert	Federal University of Rio Grande do Sul
Ferran Giones	University of Southern Denmark
Florence Blandinieres	ZEW
Florian Taeube	European Management School
Florian Waldner	TU Berlin
Francesca Masciarelli	Università degli Studi "G. d'Annunzio"
Francesca Melillo	KU LEUVEN
Francesco Di Lorenzo	Copenhagen Business School
Franz Huber	Seeburg Castle University
Friedemann Polzin	Universiteit Utrecht
Gaétan de Rassenfosse	EPFL
Gary Chapman	De Montfort University
Georg Reischauer	WU Vienna University of Economics and Business
Georg von Graevenitz	Queen Mary University of London
Gerard Ballot	University Panthéon-Assas Paris 2
Giancarlo Lauto	University of Udine
Giuliana Battisti	Warwick University
Gloria Sánchez-González	Universidad de León
Guido Buenstorf	University of Kassel
Hamid Mazloomi	Rennes School of Business
Hanna Hottenrott	Technical University Munich
Hans Kongsted	Copenhagen Business School
Hartmut Hirsch-Kreinsen	TU Dortmund University
Heejin Woo	California State University, Fullerton
Henrik Sornn-Friese	Sornn-Friese
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Iris Wanzenböck	Universiteit Utrecht
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Jacob Holm	Aalborg University
Jan Youtie	Georgia Institute of Technology
Jan-Michael Ross	Imperial College London
Jay Lee	Drexel University
Jennifer Tae	Temple University
Jesper Christensen	Aalborg University
Joaquín M. Azagra-Caro	INGENIO (CSIC-UPV), Universitat Politècnica de València
Joern Block	University of Trier
Jonathan Sapsed	Newcastle University
Joris Knobem	Radboud University
Jose Garcia-Quevedo	University of Barcelona
Jose-Luis Hervas-Oliver	Universitat Politècnica Valencia (Spain) and ESIC Business & Marketing School
Josephine Rekers	Lund University



Name	University
JP Eggers	NYU Stern School of Business
Juan Montes	Boston College
Julie Le Gallo	Agrosup Dijon
Jun Jin	Zhejiang University
Jörg Claussen	University of Munich
Karin Hoisl	University of Mannheim
Karolin Frankenberger	University of St. Gallen
Katia Pina	University of Southampton - Southampton Business School
Katrin Hussinger	University of Luxembourg
Keivan Aghasi	University of Cambridge
Kim Wang	Suffolk University
Koen Frenken	Utrecht University
Kristian Nielsen	Aalborg University, DRUID
Kristina Dahlin	University of Oxford
Kristina McElheran	University of Toronto
Kulwant Singh	National University of Singapore
Lars Frederiksen	Aarhus University
Laurent Bergé	University of Luxembourg
Liang-Chih Chen	National Taiwan University
Lili Wang	Maastricht University & United Nations University
Liliana Herrera	University of Leon
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Ludovic Dibiaggio	SKEMA Business School
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M. Isabella Leone	LUISS Guido Carli
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Mafini Dosso	European Commission
Maikel Pellens	Centre for European Economic Research (ZEW)
Marco Corsino	University of Bologna
Marco Giarratana	IE Business School
Marco Grazzi	Università Cattolica del Sacro Cuore, Milano
Margaret Dalziel	University of Waterloo
Margherita Russo	University of Modena and Reggio Emilia
Mariacristina Piva	Università Cattolica Sacro Cuore
Mark Freel	University of Ottawa and Lancaster University
Mark Lorenzen	Copenhagen Business School
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Martin Ganco	University of Wisconsin-Madison
Martin Goossen	Tilburg University
Martin Kalthaus	Friedrich Schiller University Jena
Martin Murmann	University of Zurich
Maryam Nasiriyar	Rennes School of Business
Masaru Yarime	Hong Kong University of Science and Technology
Massimiliano Guerini	Politecnico di Milano

Name	University
Massimo Riccaboni	IMT- INSTITUTE FOR ADVANCED STUDIES LUCCA
Matthew Mitchell	University of Toronto
Matthijs Janssen	Utrecht University
Mayank Varshney	NUS Business School, National University of Singapore
Mercedes Delgado	Copenhagen Business School and MIT
Mercedes Teruel	Universitat Rovira i Virgili
Michael Fritsch	Friedrich Schiller University Jena
Michael Rothgang	RWI
Michael Zhang	Nottingham Trent University
Michele Meoli	University of Bergamo
Mika Pajarinen	The Research Institute of the Finnish Economy
Monica Masucci	University of Sussex
Myriam Mariani	Bocconi University
Natarajan Balasubramanian	Syracuse University
Nazanin Eftekhari	Aalborg University
Neil Lee	London School of Economics
Nicola Lacetera	University of Toronto
Nicoletta Corrocher	Bocconi University
Nola Hewitt-Dundas	Queen's Management School
Oana Vuculescu	Aarhus University
Oleksii Koval	University of Groningen
Olga Slivko	Centre for European Economic Research
Oliver Alexy	Technical University of Munich
Orietta Marsili	University of Bath
Otto Raspe	Netherlands Environmental Assessment Agency
Paola Giuri	University of Bologna
Paolo Pini	Ferrara
Patrick Gaule	University of Bath
Paul Moritz Wiegmann	TU Eindhoven
Paul Olk	University of Denver
Paul Trott	Portsmouth
Paul-Emmanuel Anckaert	Copenhagen Business School
Pedro de Faria	Faculty of Economics and Business, University of Groningen
Pegah Yaghmaie	Beedie School of Business- Simon Fraser University
Peter Bryant	IE Business School
Peter Neuhäusler	Fraunhofer Institute for Systems and Innovation Research ISI
Philippe Gorry	Research Unit in Theoretical & Applied Economics - University of Bordeaux
Pim Hertog	Dialogic
Pooyan Khashabi	LMU
Raffaele Conti	Catolica Lisbon School of Business and Economics
Rajat Khanna	Tulane University
Rashedur Chowdhury	University of Southampton
Riccardo Fini	University of Bologna
Riccardo Leoncini	University of Bologna
Richard Tee	LUISS
Rick Aalbers	Radboud University
Rikard Eriksson	Umeå University
Robert Sheldon	ESCP Europe

Name	University
Roberto Fontana	University of Pavia & ICRIOS-Bocconi University
Rosane Marques	AMEI Consultancy on Strategy and Innovation
Rudi Bekkers	Eindhoven University of Technology
Sabrina Woltmann	Technical University of Denmark
Sam Arts	KU Leuven
Sandro Montresor	Kore University of Enna
Sean Hsu	California State University Fullerton
Seongwuk Moon	Sogang University
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Smita Srinivas	The Open University UK & University College London
Solon Moreira	IESE
Stefan Krabel	VDI/VDE Innovation + Technik GmbH
Stefania Sardo	Technical University of Munich
Stefano Baruffaldi	University of Bath
Stephane Robin	University of Paris 1 Panthéon - Sorbonne
Stephen Roper	Warwick University and Enterprise Research Centre
Stijn Kelchtermans	KU Leuven
Sungyong Chang	London Business School
Szabolcs Sebrek	Corvinus Business School
Tara Vinodrai	University of Waterloo
Terence Fan	Singapore Management University
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Thierry Burger-Helmchen	University of Strasbourg - BETA
Thomas Lauvås	Nord University
Thomas Scherngell	AIT Austrian Institute of Technology
Thorsten Grohsjean	Bocconi University
Tiago Fonseca	World Maritime University
Tobias Schmidt	Deutsche Bundesbank
Torben Schubert	Lund University / Fraunhofer ISI
Ugo Finardi	CNR
Ugo Rizzo	University of Ferrara
Valentina Meliciani	LUISS University
Vera Rocha	Copenhagen Business School
Victor Martin-Sanchez	King's College London
Victor Seidel	Babson College
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Virgilio Failla	University of Bath
Vito Amendolagine	Pavia
Vittoria G. Scalera	Amsterdam Business School, University of Amsterdam
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Xiangyang Yang	Nanjing University of Finance & Economics
Yongwook (Yong) Paik	KAIST College of Business
You-Ta Chuang	York University
Zhengyu Li	Shanghai University of Finance and Economics

# THE DRUID SCIENTIFIC ADVISORY COMMITTEE 2014-2019



## OLAV SORENSON CHAIRMAN

Professor Olav Sorenson is the Frederick Frank '54 and Mary C. Tanner Professor of Management at the Yale

School of Management. His research interests include economic geography, economic sociology, entrepreneurship, organizational ecology, the sociology and management of science and technology, and business and corporate strategy. His most extensive line of research examines how social networks affect transactions, thereby shaping the geography and evolution of industries. Although Professor Sorenson has investigated these issues in a wide variety of settings, including banking, biotechnology, and footwear manufacturing, he has most extensively studied the entertainment industries and venture capital. Prior to joining the Yale School of Management, Professor Sorenson held the Jeffrey S. Skoll Chair in Technical Innovation and Entrepreneurship at the University of Toronto's Rotman School of Management. He has also taught at the University of Chicago, UCLA, and London Business School.

Strategy, Organization Science and International Journal of Industrial Organization. She serves on the editorial boards of Strategic Management Journal, Academy of Management Journal, Research Policy, and Industry and Innovation, and is a co-editor of media innovations for the Strategic Management Society.



## ALFONSO GAMBARDELLA

Alfonso Gambardella is Professor of Corporate Management at the Università Bocconi, Milan. He obtained his PhD in 1991 from the Department of Economics of Stanford University. His research focuses on technology strategy. Along with publications in leading international journals, his book, *Markets for Technology* (with Ashish Arora e Andrea Fosfuri, MIT Press) is widely cited. He is Co-Editor of Strategic Management Journal. He participated in numerous research projects of the European Commission and other research agencies. His website is [www.alfonsogambardella.it](http://www.alfonsogambardella.it)

His research focuses on technology strategy. Along with publications in leading international journals, his book, *Markets for Technology* (with Ashish Arora e Andrea Fosfuri, MIT Press) is widely cited. He is Co-Editor of Strategic Management Journal. He participated in numerous research projects of the European Commission and other research agencies. His website is [www.alfonsogambardella.it](http://www.alfonsogambardella.it)



## AIJA LEIPONEN

Aija Leiponen is an associate professor at Cornell University, Dyson School of Applied Economics and Management, and at Imperial

College Business School, Imperial College London, and a visiting professor at Aalto University Institute of Strategy. Her research is focused on the organization of innovation activities in firms. Ongoing projects explore the emergence and governance of standards and intellectual property in communication technology industries; field experiments on cooperative behavior in digital communities; and innovation in the emerging (big) data economy. Her research has been published in such journals as *Management Science*, *Strategic Management Journal*, *Journal of Economics and Management*



## AMMON SALTER

Ammon Salter is a Professor of Innovation in the School of Management at the University of Bath. He also serves as the head of the Strategy and

International Management group and an associate director of the Institute for Policy Research. His current research focuses on open and distributed innovation, university-industry collaboration, and social networks and innovation.



## ANITA MCGAHAN

Anita M. McGahan is Professor and Rotman Chair in Management at the Rotman School of Management at the University of Toronto. She is cross

appointed to the Munk School of Global Affairs and the Physiology Department of the Medical School; is Senior Associate at the Institute for Strategy and Competitiveness at Harvard University; is the Chief Economist in the Division of Health and Human Rights at the Massachusetts General Hospital; and is President of the Academy of Management. In 2013, she was elected by the Academy of Management's 18,000+ membership to the Board of Governors and into the Presidency rotation. The Academy is the world's largest organization of business-school professors and scholars. In 2014, she joined the MacArthur Foundation Research Network on Opening Governance. During her 2010-2015 appointment as the Director of Toronto's PhD Program and as the Associate Dean of Research, the School's PhD and research rankings internationally increased from #11 to #4 and #17 to #4, respectively.



## GAUTUM AHUJA

Professor Ahuja's research interests focus on competitive analysis, innovation, globalization and the use of mergers, acquisitions and alliances in

these contexts. His research has received several international awards from the top scholarly associations in the field including the Free Press Award for outstanding research in Strategic Management (1997), the Sage-Pondy and West Publishing Awards for outstanding research in Organization Theory (1998), the TIM Best Paper Award, and the SIES-EBS Award for Best Published paper in Innovation Management (2013). His publications have appeared in the major scholarly journals (ASQ, Organization Science, SMJ, AMR, AMJ). He has served as Associate / Senior Editor for several of the top academic journals. He also served as the Co-Chairperson (2001-04) and Chairperson (2004-2013) of the Strategy Area at Ross. For several years during this period the Strategy Area (department) was ranked #1 globally by The Financial Times.



## DIETMAR HARHOFF

Dietmar Harhoff is Director at the Max Planck Institute for Innovation and Competition in Munich. From 1998 to February of 2013 he was the Director of the Institute for

Innovation Research, Technology Management and Entrepreneurship (INNO-tec) at Ludwig-Maximilians-Universität (LMU) München where he continues to hold a professorship. Dietmar Harhoff received graduate degrees in Mechanical Engineering and Public Administration (Harvard University) and a Ph.D. degree of the Massachusetts Institute of Technology (MIT). His research focuses on innovation, entrepreneurship, intellectual property, industrial economics and economic policy.



## KULWANT SINGH

Kulwant Singh (Ph.D., University of Michigan; MBA and BBA (Hons), National University of Singapore) is Professor of Strategy & Policy at the NUS Business School. His current research focuses on firm adaptation

to economic and technological shocks, with a particular focus on Asia. He has published in the Academy of Management Journal, Organization Science, Strategic Management Journal, and other journals. Kulwant's recent books include Strategy for Success in Asia and Business Strategy in Asia: A Casebook. He is currently Associate Editor of the Strategic Management Journal, and was previously Chief Editor of the Asia Pacific Journal of Management. Kulwant is currently a member of the International Advisory Board of the Norwegian School of Economics, and the Executive Committees of EPAS of the European Foundation for Management Development, and of The Case Centre. He also serves on several boards at NUS business school.



## MARYANN FELDMAN

Maryann Feldman is the S.K. Heninger Distinguished Chair in Public Policy at the University of North Carolina, Chapel Hill. Her research and teaching interests focus on the areas of innovation,

the commercialization of academic research and the factors that promote technological change and economic growth. A large part of Dr. Feldman's work concerns the geography of innovation – investigating the reasons why innovation clusters spatially and the mechanisms that support and create industrial agglomerations of innovation. Her current work examines the logic of economic development and the use of innovative data sources to understand regional economic dynamics. She is studying the industrial genesis of the Research Triangle Region to understand how the economy developed and the role played by public policy.



## RAJSHREE AGARWAL

Rajshree Agarwal is the Rudolph Lamone Chair in Strategy and Entrepreneurship at the Smith School of Business, University of Maryland. Rajshree's research interests focus on the implications of entrepreneurship and innovation for industry and firm evolution. Her recent projects examine the micro-foundations of macro phenomena, linking knowledge diffusion among firms, industries, and regions to the underlying mechanisms of individual mobility and entrepreneurship (by academics, employees and users). Her paper on employee entrepreneurship received the Best Paper Award for 2004 from the Academy of Management Journal, and her work on post exit knowledge diffusion received the Stephen Shrader Award at the 2005 Academy of Management Meetings. She has received research grants from the Kauffman Foundation, the Marketing Science Institute, the Mellon Foundation, the National Science Foundation, and the US Department of Agriculture. Rajshree serves as a co-editor of the Strategic Entrepreneurship Journal, a Senior Editor of Organization Science and the editor of the SSRN Entrepreneurship and Economics Journal. Current and past editorial board positions include Academy of Management Journal, the Academy of Management Review, Strategic Management Journal and Strategic Organization. Rajshree leads the organization of CCC (the Consortium of Competitiveness and Cooperation), was one of the founding officers of the Strategy and Entrepreneurship Interest Group at the Strategic Management Society, and is currently serving a five year officer term for the Business Policy and Strategy Division of the Academy of Management.

Her research focuses on the geographical dynamics of innovation, knowledge flows, and creativity. His current work explores these issues within a comparative analysis of urban regions in North America and Europe. Among his best-known publications are *Manufacturing Culture: the Institutional Geography of Industrial Practice*, and the *Oxford Handbook of Economic Geography* (which he co-edited with Gordon Clark and Maryann Feldman).



## MERIC GERTLER

Meric Gertler is Professor of Geography and President of the University of Toronto. He is also the founding co-director of the Program on Globalization and Regional Innovation Systems (PROGRIS) at the Munk School of Global Affairs. His research focuses on the geographical dynamics of innovation, knowledge flows, and creativity. His current work explores these issues within a comparative analysis of urban regions in North America and Europe. Among his best-known publications are *Manufacturing Culture: the Institutional Geography of Industrial Practice*, and the *Oxford Handbook of Economic Geography* (which he co-edited with Gordon Clark and Maryann Feldman).

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## RAM MUDAMBI

Ram Mudambi is Professor and Perelman Senior Research Fellow at the Fox School of Business, Temple University. Previously he served on the faculties

of Case Western Reserve University, the University of Reading (UK) and the University of North Carolina – Chapel Hill. He is a Fellow of the Academy of International Business. He is a visiting Professor at Henley Business School, University of Reading, an Honorary Professor at the Center of International Business, University of Leeds (CIBUL) and a member of advisory council of the University of Bradford Centre in International Business (BCIB). His current research projects focus on the geography of innovation and the governance of knowledge-intensive processes. He has served as an Associate Editor of the *Global Strategy Journal* (2010-2013) and is an Area Editor at the *Journal of International Business Studies* (2013-2016). He has published over 80 peer-reviewed articles, including work in the *Journal of Political Economy*, the *Journal of Economic Geography*, the *Strategic Management Journal* and the *Journal of International Business Studies*. He has been a special issue editor for the *Journal of Economic Geography*, the *Journal of Management Studies* and the *International Business Review*. He serves on the editorial boards numerous journals.



## SIDNEY G. WINTER

Professor Sidney G. Winter is Deloitte and Touche Professor Emeritus of Management at the Wharton School of the University of Pennsylvania.

His research areas are: Firm capabilities; technological change; competitive advantage



## SIMON PARKER

Simon C. Parker is a Professor of Entrepreneurship at the Ivey Business School, a Research Fellow at IZA in Bonn, and has an affiliation with

the University of Aberdeen. He researches the economics of entrepreneurship, and published a book of the same name with CUP in 2009. He is a Field Editor at the *Journal of Business Venturing* and a Co-Editor at the *Journal of Economics & Management Strategy*. He has served as a subject expert to the OECD on entrepreneurship and SME public policy in Italy in 2013, and is a regular keynote speaker at international conferences and workshops. He provides doctoral training seminars at universities in the US, UK and Europe, and writes cases on entrepreneurship, with a particular interest in the challenges and strategies associated with Internet-based start-ups, including their use of social media; crowdfunding; and Big Data.



## WESLEY M. COHEN

Wesley M. Cohen is Professor of Economics and Management at Duke University. After a year as Research Fellow in Industrial Organization at

the Harvard Business School and twenty years teaching in Carnegie Mellon University's Department of Social and Decision Sciences, Wesley Cohen (Ph.D., Economics, Yale University, 1981) joined the faculty of the Fuqua School of Business, Duke University, as Professor of Economics and Management in September 2002 and was named the Frederick C. Joerg Distinguished Professor of Business Administration in April, 2004. He also holds secondary appointments in Duke's Department of Economics and School of Law, and is a Research Associate of the National Bureau of Economic Research. Professor Cohen also serves as the Faculty Director of the Fuqua School's Center for Entrepreneurship and Innovation.

# THE DRUID EXECUTIVE COMMITTEE



**MARK  
LORENZEN**  
DIRECTOR OF DRUID

Mark Lorenzen is Professor of Innovation, Entrepreneurship and Industrial Dynamics at the Department of Strategy and

Innovation at the Copenhagen Business School and director of DRUID. His research is in the field of industrial dynamics, with a special focus on the relationships between innovation and the economic organization of the market in networks, projects, and clusters, currently within the creative industries. Mark has published in journals such as *Journal of Economic Geography*, *Organization Studies*, and *Economic Geography*, convened sessions at DRUID, Academy of Management, AIB, EGOS, and AAG, raised extensive research funding, and received awards for research excellence. He is editor-in-chief emeritus of *Industry and Innovation*, series editor of the *Routledge Studies in Industrial Dynamics*, editor of *The Oxford Handbook of Creative Industries*, and serves in review boards for *Creative Industries Journal*, *Journal of International Business Studies*, and *Industry and Innovation*.



**METTE  
PRÆST  
KNUDSEN**

Mette Præst Knudsen is Professor of Innovation Management at the Department of Marketing & Management,

University of Southern Denmark. Mette Præst Knudsen is Director of the crossfaculty Centre for Integrative Innovation Management. The group pursues inter-disciplinary research on innovation processes and innovation management employing researchers from engineering, marketing, and management. She holds a PhD in Innovation from Aalborg University (1999) and a M.Sc. in Economics (1995) from Odense University. Mette Præst Knudsen is the national expert advising the European Commission on Denmark's R&I system. Her research is focused on three research streams: creativity and HRM for innovation performance, commercialization of emerging technologies, and the declining innovation patterns in Europe.



**JESPER  
LINDGAARD  
CHRISTENSEN**

Jesper Lindgaard Christensen is an Associate Professor in Industrial Dynamics at the Department of Business and

Management, Aalborg University, Denmark. He has a Ph.D. (1992) from Aalborg University. JLC is the coordinator of the IKE-research group and of the Centre for Regional Studies of Aalborg University, Denmark. His research includes various aspects of innovation theory, -practice and -policy. His research includes innovation surveys, industry studies, venture capital and other small business finance, and aspects of economic geography such as clusters.



**KELD  
LAURSEN**

Keld Laursen (KL) is professor of the economics and management of innovation at Copenhagen Business School (CBS). He received his MSc degree from SPRU at the University of Sussex in the United

Kingdom (1994) and got his PhD from the University of Aalborg in Denmark in 1998. KL is an editor of *Research Policy* and he is elected to serve on the chair track of the Academy of Management's Technology Innovation Management (TIM) Division for 2013-2018. He has organized and co-organized a number of international conferences, including several vintages of the DRUID Summer Conference; the US rooted CCC (Consortium for Cooperation and Competition) Annual Colloquium for Doctoral Student Research held at Copenhagen Business School in 2009; and the European-based SEI (Strategy Entrepreneurship & Innovation) Doctoral Consortium in 2012. KL's primary area



of expertise is in how firms manage innovation. Within this context, KL has focused on the organizational aspects of open innovation and the consequences for innovation performance. His research has been published in outlets such as Strategic Management Journal, Organization Science, Journal of International Business Studies, Journal of Economic Geography and Research Policy.

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## PETER MASKELL

Peter Maskell is Professor at Copenhagen Business School (CBS), a founding member of DRUID and DRUID Director 2001-2014. He has published several books and numerous papers within economic geography, innovation and strategy and he is among the top 1% of the world's most Highly Cited Researchers within Social Science, see: [www.highlycited.com](http://www.highlycited.com). He has an extensive record as governmental policy advisor and as chair of the board of Scandinavian corporations. He is former chair of the Danish Social Science Research Council and current member of Academia Europea.

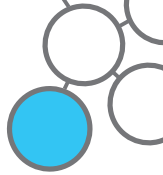
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## CHRISTIAN R. ØSTER- GAARD

Christian R. Østergaard is Professor of Innovation and Regional Industrial Dynamics at the Department of Business and Management, Aalborg University, Denmark. He holds a M.Sc. (2001) in Industrial Economics and Ph.D. (2005) in Innovation, Knowledge and Economic Dynamics from Aalborg University. He is the organizer of DRUID Academy conferences. His current research activities focus on the link between employee diversity, regional diversity and innovation; decline and resilience of regional clusters; mobility of people from companies that close down; university-industry collaboration.





# Industry and Innovation

## INDUSTRY AND INNOVATION

DRUID IS ASSOCIATED WITH THE JOURNAL INDUSTRY AND INNOVATION PUBLISHED BY ROUTLEDGE.


**INDUSTRY AND INNOVATION** is an international refereed journal presenting high-quality original scholarship of the dynamics of industries and innovation. Interdisciplinary in nature, Industry and Innovation is informed by, and contributes in turn to, advancing the theoretical frontier within economics, management, sociology, and economic geography.

**CURRENTLY IN ITS 26TH YEAR** and with 10 annual issues, Industry and Innovation's 2017 impact factor was 1.338.



# Map of Solbjerg Plads

-  Trappe  
Stairs
-  Elevator  
Lift
-  Handicaptoliet  
Toilet for Disabled
-  Toilet
-  Kantine/café  
Canteen/café

 2 min.  
Social Program Event , Wednesday, June 19  
DRUID Drinks reception  
CBS, Kilen, Kilevej 14

