

DRUID

COPENHAGEN 2021

18-20 OCTOBER



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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: 2 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 PowerPoint 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 coauthors. 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 5 minutes left. The second card indicates that there are 2 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!

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 pages 36-37.

MONDAY, OCTOBER 18

09:00	PROFESSIONAL DEVELOPMENT WORKSHOP (PDWs) PDW1: Strategizing on Grand Challenges (SPs03) PDW2: Corporate Entrepreneurship, Venture Financing and innovation (SP113) PDW3: Current Challenges in Science Funding (SP213)
12:00	CONFERENCE REGISTRATION (CBS Main lobby)
13:00	WELCOME (SPS01) By MARK LORENZEN (Director, DRUID)
13:15	OPENING PLENARY "CHALLENGES TO SCIENCE ACCENTUATED BY THE COVID-19 HEALTH CRISIS" (SPs01) By KATE O'BRIEN, REINHILDE VEUGELERS Chair: VALENTINA TARTARI, and interventions from DRUID scholars
14:30	COFFEE CONVERSATIONS (CBS Main lobby) (Included in conference fee)
15:00	PARALLEL PAPER SESSIONS 1
16:30	COFFEE CONVERSATIONS (CBS Main lobby) (Included in conference fee)
17:00	PARALLEL PAPER SESSIONS 2
18:30 19:30	DRUID DRINKS RECEPTION Venue: CBS Kilen (Included in conference fee)

TUESDAY, OCTOBER 19	
09:00	PARALLEL PAPER SESSIONS 3
10:30	COFFEE CONVERSATIONS and POSTER SESSION 1 (CBSMain lobby) (Included in conference fee)
11:00	KEYNOTE “DO PATENTS WORK (AND WHAT ELSE MIGHT)? EVIDENCE FROM PHARMACEUTICAL INNOVATION” (SPs01) By MARGARET KYLE Chair: KRISTINA VAARST ANDERSEN
12:00	LUNCH (Canteen, top floors) (Included in conference fee)
13:00	DRUID DEBATE on ‘MISSION-ORIENTED’ INNOVATION POLICY (SPs01) MOTION: “THE RECENT SHIFT TOWARDS ‘MISSION-ORIENTED’ INNOVATION POLICY AWAY FROM MORE BROAD-BASED POLICIES IS MISCONCEIVED AND WILL LEAD TO LOWER SOCIAL AND ECONOMIC BENEFITS” Speaking for the motion: MERCEDES DELGADO and MAUREEN MCKELVEY Speaking against the motion: KOEN FRENKEN and CAETANO PENNA Moderator: PAOLA CRISCUOLO
14:30	COFFEE CONVERSATIONS and POSTER SESSION 2 (CBS Main lobby) (Included in conference fee)
15:00	PARALLEL PAPER SESSIONS 4
16:30	DRUID DISCOVERIES EXCURSIONS Meeting point: CBS Main lobby (Registration and pre-payment required)
19:00 23:00	DRUID DINNER and PAPER AWARD CEREMONY Venue: Planetarium, Gammel Kongevej 10, 1610 København V (Included in conference fee)

WEDNESDAY, OCTOBER 20	
09:00	PARALLEL PAPER SESSIONS 5
10:30	COFFEE CONVERSATIONS (CBS Main lobby) (Included in conference fee)
11:00	<p>DRUID DIRECTIONS – PARALLEL KEYNOTES by BEST PAPER AWARD NOMINEES</p> <p>SAM CAO, REMBRAND KONING, RAMANA NANDA: “Biased sampling of early users and the direction of startup innovation” (SPs03) Chair: CARMELO CENNAMO</p> <p>CHIARA FRANZONI, HENRY SAUERMANN, DILETTA DI MARCO: “When Citizens Judge Science: Evaluations of Social Impact and Support for Research” (SP113) Chair: HC KONGSTED</p> <p>ELENA NOVELLI, CHIARA SPINA: “When do Entrepreneurs Benefit from Acting Like Scientists? A Field Experiment in the UK” (SP213) Chair: VERA ROCHA</p>
12:00	LUNCH (Canteen, top floors) (Included in conference fee)
13:00	<p>DRUID DEBATE on LABORATORY EXPERIMENTS (SPs01)</p> <p>MOTION: “DESPITE MERITS IN TERMS OF ESTABLISHING CAUSALITY IN PARTICULAR SETTINGS, STUDIES BASED PURELY ON LABORATORY EXPERIMENTS LACK AN IMPORTANT DEGREE OF EXTERNAL VALIDITY, LEADING THEM TO YIELD ONLY VERY LIMITED SCIENTIFIC PROGRESS WITHIN THE INNOVATION, ENTREPRENEURSHIP AND STRATEGY FIELD”</p> <p>Speaking for the motion: MARCO GIARRATANA and VALENTINA TARTARI Speaking against the motion: DANIELLA LAUREIRO-MARTÍNEZ and HENRY SAUERMAN Moderator: KELD LAURSEN</p>
14:30	COFFEE CONVERSATIONS (CBS Main lobby) (Included in conference fee)
15:00	PARALLEL PAPER SESSIONS 6
16:30 17:00	CONFERENCE CLOSING (SPs01)
20:00 01:00	<p>DRUID DECADENCE AFTER PARTY</p> <p>Venue: Tempelriddersalen, Ny Kongensgade 9C, 1472 Copenhagen K (Registration and pre-payment required)</p>

WELCOME

Monday, October 18, 13:00-13:15 (SPs01)



MARK LORENZEN
DIRECTOR OF DRUID

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

OPENING PLENARY

Monday, October 18, 13:15-14:30 (SPs01)

Chair: VALENTINA TARTARI with interventions from DRUID scholars

"CHALLENGES TO SCIENCE ACCENTUATED BY THE COVID-19 HEALTH CRISIS"



REINHILDE VEUGELERS

Prof Dr. Reinhilde Veugelers is a full professor at KULeuven (BE) at the Department of Management, Strategy and Innovation. She is a Senior Fellow at Bruegel since 2009 and a

Senior Non-Resident Fellow at the Peterson Institute for International Economics since 2020. She is also a CEPR Research Fellow, a member of the Royal Flemish Academy of Belgium for Sciences and of the Academia Europaea. From 2004-2008, she was on academic leave, as advisor at the European Commission (BEPA Bureau of European Policy Analysis). She served on the ERC Scientific Council from 2012-2018 and on the EU-RISE Expert Group advising the commissioner for Research. She is a member of VARIO, the expert group advising the Flemish minister for Innovation. She is currently a member of the Board of Reviewing Editors of the journal Science and a co-PI on the Science of Science Funding Initiative at NBER.

With her research concentrated in the fields of industrial organisation, international economics and strategy, innovation and science, she has authored numerous well cited publications in leading international journals. Specific recent topics include novelty in technology development, international technology transfers through MNEs, global innovation value chains, young innovative companies, innovation for climate change, industry science links and their impact on firm's innovative productivity, evaluation of research & innovation policy, explaining scientific productivity, researchers' international mobility, novel scientific research.



KATE O'BRIEN

Dr Kate O'Brien is Director of the Immunization, Vaccines and Biologicals Department at the World Health Organization. In this role she is responsible for leading WHO's strategy and implementation to advance

the vision of a world where everyone, everywhere, at every age, fully benefits from vaccines for good health and wellbeing. The Department works across all levels of WHO (country, region and headquarters) in collaboration with partners to support countries in achieving the optimum use and impact of vaccines. Dr O'Brien also serves as WHO's Technical Lead of the COVID Vaccine Pillar (COVAX), a part of the Access to COVID Tools Accelerator (ACT-A). The mission of COVAX is to deliver 2 billion doses of COVID vaccine by the end of 2021, to help end the acute phase of the pandemic.

Dr O'Brien is a Canadian who trained as a pediatric infectious disease physician, epidemiologist and vaccinologist. She earned her BSc in chemistry from University of Toronto (Canada), her MD from McGill University (Canada), and her MPH from Johns Hopkins Bloomberg School of Public Health (US) before completing her training at the US Centers for Disease Control and Prevention as an Epidemic Intelligence Officer, in the Respiratory Diseases Branch. Prior to joining WHO she was Professor of International Health and Epidemiology and Executive Director of the International Vaccine Access Center at the Johns Hopkins Bloomberg School of Public Health. Her research and policy work focused on vaccine preventable illnesses, especially for pneumonia causing pathogens including pneumococcal disease; Haemophilus influenzae type b; respiratory syncytial virus and influenza.

KEYNOTE

Tuesday, October 19, 11:00-12:00 (SPs01)

Chair: KRISTINA VAARST ANDERSEN

“DO PATENTS WORK (AND WHAT ELSE MIGHT)? EVIDENCE FROM PHARMACEUTICAL INNOVATION”



MARGARET KYLE

Margaret Kyle (MINES ParisTech and CEPR) currently holds the Chair in Intellectual Property and Markets for Technology at MINES ParisTech.

Her research concerns innovation, productivity and competition. She has a number of papers examining R&D productivity in the pharmaceutical industry, specifically the role of geographic and academic spillovers; the firm-specific and policy determinants of the diffusion of new products; generic competition; and the use of markets for technology. Recent work examines the effect of trade and IP policies on the level, location and direction of R&D investment and competition. She also works on issues of innovation and access to therapies in developing countries. Her papers have been published in various journals of economics, strategy, and health policy, including the Quarterly Journal of Economics, Review of Economics and Statistics, RAND Journal of Economics, Journal of Public Economics, Journal of Industrial Economics, Journal of Law and Economics, Antitrust Law Journal, Management Science, and Health Affairs. In 2019, she was named as one of the “40 in their 40s” notable women competition professionals.

Margaret holds a PhD in economics from the Massachusetts Institute of Technology and is an associate editor of the International Journal of Industrial Organization. She previously held positions at Carnegie Mellon University, Duke University, London Business School, and the Toulouse School of Economics, and is a visiting professor at the Kellogg School of Management, Northwestern University. She has also been a visiting scholar at the Center for the Study of Innovation and Productivity at the Federal Reserve Bank of San Francisco and at the University of Hong Kong. Margaret is currently a member of the Conseil National de Productivité in France.

DRUID DIRECTIONS

PARALLEL KEYNOTES BY NOMINEES FOR THE DRUID BEST PAPER AWARD

PAPER NO. 1:

BIASED SAMPLING OF EARLY USERS AND THE DIRECTION OF STARTUP INNOVATION

Wednesday, October 20, 11:00-12:00 (SPs03)

Chair: CARMELO CENNAMO

Using data from a prominent online platform for launching new digital products, we document that the composition of the platform's 'beta testers' on the day a new product is launched has a systematic and persistent impact on the venture's success. Specifically, we use word embedding methods to classify products on this platform as more or less focused on the needs of female customers. We then show that female-focused products launched on a typical day -- when nine in ten users on the platform are men -- experience 45% less growth in the year after launch. By isolating exogenous variation in the composition of beta testers unrelated to the characteristics of launched products on that day, we find that on days when there are unexpectedly more women, this gender-product gap shrinks towards zero. Further, consistent with a sampling bias mechanism, we find that the composition of beta testers appears to impact VC decision making and the entrepreneur's subsequent product development efforts. Overall, our findings suggest that the composition of early users can induce systematic biases in the signals of startup potential, with consequential effects -- including a shortage of innovations aimed at consumers who are



SAM CAO

Harvard Business School



**REMBRANDT
KONING**

Harvard Business School



**RAMANA
NANDA**

Imperial College London

PAPER NO. 2:**WHEN CITIZENS JUDGE SCIENCE: EVALUATIONS OF SOCIAL IMPACT AND SUPPORT FOR RESEARCH**

Wednesday, October 20, 11:00-12:00 (SP113)

Chair: HC KONGSTED

The direction of science has for a long time been set by professional scientists, funding agencies, and policy makers. New mechanisms enable “citizens” or “lay people” without a professional background in science to shape research agendas by voting on funding proposals or allocating their own resources through crowdfunding. Although there are hopes that such mechanisms can democratize science and steer it towards projects with greater social impact, there are also concerns that they give greater weight to the preferences and needs of selected parts of the population, most notably groups with above-average income and education. Moreover, citizens’ personal experience with certain problems may bias their assessments of projects addressing such problems, potentially leading to inefficient resource allocation and outsized influence of self-selected groups of stakeholders. To assess such concerns, we study over 2,300 evaluations of research proposals made by members of the general public. We find significant differences in project support by income and education, but only if supporting a project imposes a personal cost upon evaluators. Evaluators’ personal experience with a particular problem is associated with greater support but does not appear to inflate evaluations of a project’s social impact. When evaluating a project’s social impact, however, citizens focus on the importance of the problem and pay less attention to whether or not the project is able to deliver a solution. We discuss implications for the literature on the science of science and innovation as well as for funding agencies and policy makers.



**CHIARA
FRANZONI**

Politecnico di Milano



**HENRY
SAUERMAN**

ESMT, Berlin



**DILETTA DI
MARCO**

Politecnico di Milano

PAPER NO. 3:

WHEN DO ENTREPRENEURS BENEFIT FROM ACTING LIKE SCIENTISTS? A FIELD EXPERIMENT IN THE UK

Wednesday, October 20, 11:00-12:00 (SP213)

Chair: VERA ROCHA

Prior research suggests that firms in entrepreneurial settings benefit from an approach to decision making that combines cognitive and evidence-based components. But to what extent and under what conditions is this approach to decision-making associated with superior performance? To address this question, we conducted a field experiment with 261 UK entrepreneurs at different stages of business development, training half with an approach that combined a cognitive and evidence-based approach to decision making. Our results show that firms make the most of such an approach when they are at a more advanced stage of development, as they generate higher revenues and productivity. We elaborate on the mechanisms behind this result and the implications for future research.



**ELENA
NOVELLI**

University London, Bayes Business
School



**CHIARA
SPINA**

INSEAD Singapore

DRUID21 PROFESSIONAL DEVELOPMENT WORKSHOPS (PDWs)

PDW1: STRATEGIZING ON GRAND CHALLENGES

Monday, October 18, 09:00-12.00 (SPs03)

ORGANIZERS:

VERA ROCHA, GRAZIA D. SANTANGELO, WOLFGANG SOFKA, Copenhagen Business School

SPEAKERS:

JOHN AMIS, ANNE JACQUEMINET, LARS BO JEPPESEN, OLENKA KACPERCZYK, DANIELA MAGGIONI, MYRIAM MARIANI, KLAUS MEYER, MARCUS MØLLER LARSEN, VERA ROCHA, GRAZIA D. SANTANGELO, WOLFGANG SOFKA, DIEGO ZUNINO

Grand Challenges are complex problems with global consequences and without easy solutions. Scholarly discussion in management, strategy, and international business has started to engage with these societal problems. The PDW aims to contribute to this conversation by engaging scholars in a discussion about how research can guide companies to strategize on Grand Challenges and offer solutions to society. The PDW is organized into two parts.

The FIRST PART includes four paper presentations, each followed by a discussion by an expert scholar on the topic. The four presentations will feature academic work-in-progress on different Grand Challenges (i.e., empowerment of young entrepreneurs in developing countries, gender gap in startup hires, wage disadvantages of refugee workers, green strategies of multinational firms), based on a variety of methods as well as data.

In the SECOND PART, the scholars invited to act as discussants of the papers presented in the first part will gather and contribute to a panel debate about the status quo of transformational research on Grand Challenges and what we should aim for, as scholars contributing to this discussion.

The audience will be invited to join the conversation and engage in Q&As with the speakers at the end of each paper presentation and during the panel discussion.

PDW2: CORPORATE ENTREPRENEURSHIP, VENTURE FINANCING AND INNOVATION

Monday, October 18, 09:00-12.00 (SP113)

ORGANIZERS:

FRANCESCO DI LORENZO, Copenhagen Business School; **HAEMIN DENNIS PARK**, Naveen Jindal School of Management at the University of Texas at Dallas

SPEAKERS:

GARY DUSHNITSKY, DENNIS JUUL POULSEN, JUANITA URIBE-GONZALES, VARESKA VAN DE VRANDE, ANU WADHWA

Since Schumpeter's work (1942), the relationship between incumbent firms and new entrants became a central topic for strategy, entrepreneurship and innovation scholars. In particular, how large firms and new ventures collaborate to improve innovation frontiers and achieve growth goals received a great deal of attention. On the one hand, large firms have experimented with different models to stimulate and create entrepreneurial activities and culture within and across their boundaries: internal innovation competitions for employees, corporate accelerator and incubators, spinouts activities and the creation of corporate venture capital funds. On the other hand, new ventures have extended their more traditional set of investors from which to gather resources including corporations. These dynamics in the domains of entrepreneurial financing and corporate growth have generated almost two decades of a rich theoretical and empirical research agenda.

Building on these foundations, the PDW aims to present and discuss some advances on how collaborations and interactions between corporations and new ventures impact innovation and competitive dynamics.

PDW3: CURRENT CHALLENGES IN SCIENCE FUNDING

Monday, October 18, 09:00-12.00 (SP213)



ORGANIZERS:

HC KONGSTED, VALENTINA TARTARI, Copenhagen Business School

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

SPEAKERS:

ANDREA MINA, ALI MOHAMMADI, MICHELE PEZZONI, HENRY SAUERMANN, VALENTINA TARTARI, REINHILDE VEUGELERS, KYLE MEYERS

Funders' panel: THOMAS ALSLEV CHRISTENSEN (NOVO NORDISK FOUNDATION); FLEMMING BESENBACHER (CARLSBERG FOUNDATION); METTE ROSENKILDE (INDEPENDENT RESEARCH FUND DENMARK)

Several changes in funding arrangements over the last few decades have attracted the attention of scholars in innovation studies and economics of science. Tighter fiscal austerity and a declining allocation for government funding for science, coupled with the increasing costs of conducting scientific research, means that scientists may struggle to sustain their activities and therefore need to find alternative funding sources for their work. Charities and international funding agencies have simultaneously become more prominent in the funding landscape. Despite increased interest in the topic and the contributions provided so far, the literature on scientific funding is only starting to address questions regarding the increasing variety of funding mechanisms and outcomes for individual scientists and, more generally, the rate and direction of scientific research.

In this PDW, we will review recent advances, provide an overview of new data and methods, and identify promising paths for future work. The session brings together scholars who are leveraging these advances and representatives of public and private funders of public research to discuss different schemes for funding of public research, how the risk-taking behavior of funders and applicants can be affected by different funding schemes, and in turn, what are the implications for the direction and the rate of progress of science. We will present and discuss recent theoretical advances and cutting-edge empirical methods, followed by a panel discussion in which presenters will engage with public and private funder representatives to enrich and synthesize the discussion and, most importantly, soliciting questions from and engaging in discussion with the PDW participants.

DRUID DEBATE ON 'MISSION-ORIENTED' INNOVATION POLICY

Tuesday, October 19, 13:00-14:30 (SPs01)

Moderator: PAOLA CRISCUOLO

MOTION: “THE RECENT SHIFT TOWARDS ‘MISSION-ORIENTED’ INNOVATION POLICY AWAY FROM MORE BROAD-BASED POLICIES IS MISCONCEIVED AND WILL LEAD TO LOWER SOCIAL AND ECONOMIC BENEFITS”

SPEAKING FOR THE MOTION:



MERCEDES DELGADO

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

serves as Senior Institute Associate at the Institute for Strategy and Competitiveness at Harvard Business School. Delgado's research focuses on the relationship between the regional business environment and the performance of inventors, firms, regions, and countries. She examines the role of regional clusters—geographic concentrations of related industries, firms, and supporting institutions—in job creation, innovation, entrepreneurship, inclusivity, and resilience. Delgado has developed new methods for defining and mapping industry clusters and the supply chain economy, providing tools to help firms, practitioners, and policymakers create regional and national strategies. In recent work she explores the interaction between firm location choices through the value chain and firm performance. Delgado's work has been published in top economic, policy, and strategy journals. She has received a number of prestigious research fellowships and grants, including a PhD fellowship from Fundación Rafael del Pino and a recent National Science Foundation grant on Mapping the Inventor Gender Gap. She served as a lead researcher on the US Cluster Mapping Project: Mapping a Nation of Regional Clusters.



MAUREEN MCKELVEY

Professor of Industrial Management, Unit for Innovation and Entrepreneurship, Department of Economy and Society, School of Business, Economics and Law,

University of Gothenburg.

McKelvey's research focuses on the development and use of knowledge at the interplay between innovation management and entrepreneurship with science and engineering.

She has published extensively in highly ranked journals and has had high level positions in expert groups and written reports, for Swedish organizations as well as for the OECD and the European Union. She has also served on DIME, DRUID, Imperial College Business School Innovation, Manchester Institute of Innovation, GEM in Grenoble, among others in her career. In 2017 she was awarded a 10-year grant as part of the Swedish Research Council's Distinguished Professors Programme.

Further, Professor McKelvey has been part of developing several masters programmes in the field of innovation and entrepreneurship, in which she also taught several courses. What drives her in her work and research is a curiosity for the ever changing nature of technology, society and economy.

SPEAKING AGAINST THE MOTION:



KOEN FRENKEN

Koen Frenken is Full Professor in Innovation Studies at the Copernicus Institute of Sustainable Development at Utrecht University. He won personal grants in the Marie Curie and NWO Vici

and Vici programmes.

Theoretical interests include evolutionary economics, institutional sociology and complexity theory. He works on breakthrough innovation, economic geography, platform economy and innovation policy.

Frenken holds a joint PhD from the University of Grenoble (applied economics) and the University of Amsterdam (social sciences).



CAETANO C.R. PENNA

Caetano C.R. Penna (PhD) is Adjunct Professor at the Institute of Economics of the Federal University of Rio de Janeiro (Brazil) and Senior Research Fellow at the Centre for Global Challenges

of the Utrecht University (Netherlands). He is also Expert Advisor on technology intelligence and innovation policy for the Rio de Janeiro STI agency FAPERJ. His research focuses on mission-oriented and transformative innovation policies, areas in which he also acts as a consultant. Dr. Penna co-authored two influential policy reports in Latin America: "The Age of Missions: Addressing Societal Challenges Through Mission-Oriented Innovation Policies in Latin America and the Caribbean" (2020), commissioned by the Inter-American Development Bank, and "The Brazilian Innovation System: A Mission-Oriented Policy Proposal" (2016), commissioned by the Brazilian Ministry of STI.

DRUID DEBATE ON LABORATORY EXPERIMENTS

Wednesday, October 20, 13:00-14:30 (SPs01)

Moderator: KELD LAURSEN

MOTION: “DESPITE MERITS IN TERMS OF ESTABLISHING CAUSALITY IN PARTICULAR SETTINGS, STUDIES BASED PURELY ON LABORATORY EXPERIMENTS LACK AN IMPORTANT DEGREE OF EXTERNAL VALIDITY, LEADING THEM TO YIELD ONLY VERY LIMITED SCIENTIFIC PROGRESS WITHIN THE INNOVATION, ENTREPRENEURSHIP AND STRATEGY FIELD”

SPEAKING FOR THE MOTION:



MARCO GIARRATANA

Marco Giarratana holds a PhD in Economics and Management from the Sant'Anna School of Advanced Studies, Pisa, Italy. He was assistant and associate

professor at the Universidad Carlos III de Madrid (2003-2010), and associate and full professor at Bocconi University in Milan (2011-2016).

His main research interests focus on the role of diversification, product strategies, resources, and performance. Do diversified firms suffer more or less compared to a specialised firm if competition increases? Do they flight or fight when competition increases in a particular market niche? How does this behaviour depend from the type of firm resources?



VALENTINA TARTARI

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 in 2013 and has been a visiting scholar at the University of North Carolina and at 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 the Academy of Management

SPEAKING AGAINST THE MOTION:



DANIELLA LAUREIRO MARTINEZ

Daniella Laureiro Martinez works at ETH Zurich (CH) where she is the director of the COLAB, a research group that studies

the cognitive antecedents of adaptive behavior in environments that change. We rely on theories and findings from neurosciences and psychology, innovation and strategy, to understand decision-making, creative problem solving, and ultimately learning.

Her work has been published on journals like the Strategic Management Journal, Organization Science, Journal of Business Venturing Insights, Journal of Management Studies, the Journal of Neuroscience, Psychology and Economics and in the open-source Nature journals Frontiers in Human Neuroscience and Frontiers in Psychology.

Currently she serves in the Editorial Review Board of the Strategic Management Journal and Organization Science. In the past she served as Representative-at-large for the Behavioral Strategy Interest Group of SMS, and for the Managerial and Organizational Cognition and the Technology and Innovation Management Divisions of AoM.

She holds a PhD in Management (Strategy and Innovation) from Bocconi University. Prior to entering academia, she worked as a researcher and a businesses and government consultant in areas related to small businesses development in Latin America.



HENRY SAUERMAN

Henry is a professor at ESMT Berlin and holder of the ESMT Chair in Entrepreneurship. His research explores the role of human capital in science, innovation, and entrepreneurship.

Among others, he studies how scientists' motives and incentives relate to important outcomes such as innovative performance in firms, patenting in academia, or career choices and entrepreneurial interests. Henry also investigates non-traditional innovative institutions such as crowdsourcing, crowdfunding, and Citizen Science. Henry's work has been funded by the National Science Foundation, the Kauffman Foundation, a Sloan Foundation Research Program, as well as the Georgia Research Alliance. He has published in a wide range of journals including Management Science, Organization Science, Research Policy, Strategic Entrepreneurship Journal, Science, the Proceedings of the National Academy of Sciences (PNAS), and Science Advances. Henry is Associate Editor at the Strategic Entrepreneurship Journal, Advisory Editor at Research Policy, and Editorial Board Member at the Strategic Management Journal.

PARALLEL PAPER SESSIONS 1

MONDAY, OCTOBER 18, 15:00-16:30

1 SCIENTIFIC PRACTICE: DOCTORAL TRAINING

Monday, October 18, 15:00-16:30, Room: Sps12, Chair: Sam Arts 6

CORNELIA LAWSON, CINDY LOPES-BENTO: "Satisfied or Money Back: Should Policy Keep Educating PhD Holders Despite Market Frictions?"

GUIDO BUENSTORF, JOHANNES KOENIG, ANNE OTTO: "Doctoral Training Outside the University: Public Research Institutes, Industry and Human Capital Formation in the German System of Research and Innovation"

Discussants: **BALINT DIOSZEGI, PHILIP DOERR**

2 ORGANIZATIONAL BEHAVIOR: HUMAN RESSOURCE MANAGEMENT

Monday, October 18, 15:00-16:30, Room: Sps03, Chair: Maren Mickeler 13

LEE DAVIS, TIM SCHWEISFURTH: "Exploring the Organizational Selection of Leisure Time Inventions: A Knowledge-Combination Perspective"

STEPHAN BILLINGER, STEFANO BENINCASA, OLIVER BAUMANN, TOBIAS KRETSCHMER, TERRY SCHUMACHER: "How Incentives and Modularity Shape Search in Rugged Landscapes: an Experimental Study"

NIKOLAOS PAPAGEORGIADIS, ANDREAS PROCOPIOU, WOLFGANG SOFKA: "Unintended Consequences of Outcome Based Compensation – how CEO Bonuses, Stocks and Stock Options affect their Firms' Patent Litigation"

Discussants: **ANNE TER WAL, CHIARA FRANZONI**

3 THE INSTITUTIONS OF INNOVATION: SOCIAL VALUES

Monday, October 18, 15:00-16:30, Room: Sp213, Chair: Martina Ayoub 18

LUKAS MAIER: "For it is in Giving that we receive: how and when a Firm's Open Source Philosophy is attractive for Consumers"

ANDERS BROSTRÖM, ANDRA RIANDITA: "Compelling Commitments: Customer Appreciation of Supplier Working Conditions in the Market for B2B Cleaning Services"

SEMI MIN, HILA LIFSHITZ-ASSAF, NATALIA LEVINA: "What does Contact Tracing really mean?: how Governments and Citizens Contest the Meaning of Contact Tracing to Achieve Societal Resilience"

Discussants: **ANDREA MINA, DAMIANO MARIA MORANDO**

4 GEOGRAPHIES OF INNOVATION: GLOBAL VALUE CHAINS

Monday, October 18, 15:00-16:30, Room: Sps14, Chair: Martina Iori 24

THIAGO CALIARI, LEONARDO COSTA RIBEIRO, CARLO PIETROBELLI, ANTONIO VEZZANI: "Global Value Chains and Sectoral Innovation Systems: an Analysis of the Aerospace Industry"

PETROS DIMAS, DIMITRIOS STAMOPOULOS, AGGELOS TSAKANIKAS: "Where does the Knowledge come from? A Framework for Tracing Embodied Knowledge in Global Value Chains"

PETROS DIMAS, YANNIS CALOGHIROU, AGGELOS TSAKANIKAS, NICHOLAS VONORTAS: "Business Intangibles in Global Value Chains: In Search of Export Competitive Advantage"

Discussants: **KOEN FRENKEN, ADRIAAN VAN DER LOOS**

5 ECOSYSTEMS: DYNAMICS AND ALIGNMENT

Monday, October 18, 15:00-16:30, Room: Sp214, Chair: Maryna Vakulenko 29

ANKUR CHAVDA, JOHN EKLUND: "Industry or Ecosystem Change? Examining how new Entrants can impact Established Incumbent-Supplier Relationships"

CHARLOTTA WINKLER, EUGENIA PEREZ VICO, KRISTIAN WIDÉN: "Explaining Barriers to the Alignment of Business Ecosystems Implementing Solar Photovoltaic Systems in the Built Environment"

NURIA MORATAL, ANNE-LORENE VERNAY, CARINE SEBI: "Ecosystem Creation under High Uncertainty – A Longitudinal Analysis of the Alignment Process"

Discussants: **ALEXANDRA ZABY, RAGNHILD KVÅLSHAUGEN**

6 MARKETS FOR TECHNOLOGY: NEW METHODS IN IP RESEARCH

Monday, October 18, 15:00-16:30, Room: Sp212, Chair: Mattia Pedota 37

CHRISTIAN STERNITZKE, STEFAN WAGNER, SASCHA WALTER: "Mapping Markush"

RUDI BEKKERS, ELENA TUR, JOACHIM HENKEL, TOMMY VORST, VAN DER, MENNO DRIESSE, JORGE CONTRERAS: "Overcoming Inefficiencies of Patent Licensing: A Method to Assess Patent's Essentiality for Technical Standards"

DANIEL HAIN, ROMAN JUROWETZKI, HAMID BEKAMIRI: "Patentsberta: A deep NLP Based Hybrid Model for Patent Distance and Classification using Augmented SBERT"

Discussants: **CATHERINE BEAUDRY, DILETTA DI MARCO**

7 OPEN INNOVATION: COMPETITION AND PARTNER CHOICE

Monday, October 18, 15:00-16:30, Room: Sp208, Chair: Dennis Verhoeven 43

GEOFFREY BORCHHARDT, BALÁZS KOVÁCS, MICHELLE ROGAN: "Expertise, Competitive Overlap, and Partner Choice"

PEDRO MESQUITA: "Seeking Help under Pressure: The Effect of Competition on Firms' Collaborative Behavior"

DING NAN, ARJAN MARKUS, LEON OERLEMANS: "Draw to a Close: Inventor Triad Behavior and Invention Quality"

Discussants: **LUCA GIUS, PIERPAOLO PARROTTA**

8 ENTREPRENEURSHIP: HUMAN CAPITAL ANTECEDENTS

Monday, October 18, 15:00-16:30, Room: Sp207, Chair: Mehdi Montakhabi 48

ALIASHGAR BAHOO TORODI, ROBERTO FONTANA, FRANCO MALERBA: "Knowledge Contexts of Entrepreneurship: the Effects of Pre-Entry Resources on new Firms' Capabilities and Market Entry"

LOUISE LINDBJERG, THEODOR VLADASEL: "Entrepreneurial Human Capital and Firm Innovation"

SUBHAN SHAHID, EMMANUELLE RYENAUD: "The Antecedents and Consequences of Entrepreneurial Exit from Sustainability-Oriented Businesses"

Discussants: **ALDONA KAPACINSKAITE, ELENA LIZUNOVA**

9 SCIENTIFIC PRACTICE: UNIVERSITY-INDUSTRY RELATIONS

Monday, October 18, 15:00-16:30, Room: Sp114, Chair: Minyoung Choi 55

SOFIA PATSALI: "University Procurement-Led Innovation"

GIANLUCA MURGIA, ANTONIO MESSENI PETRUZZELLI: "A Time to Explore, a Time to Exploit: The Role of Universities in the Development of SMEs' Search Capabilities"

MARTIN KALTHAUS, EKATERINA ALBATS: "Conceptualizing Digital Platforms as Means for University-Industry Intellectual Capital Exchange"

Discussants: **DIETER KOGLER, RAINER WIDMANN**

10 ONLINE PLATFORMS: CROWDFUNDING

Monday, October 18, 15:00-16:30, Room: Sp112, Chair: Mohammad Nasiri 61

CARMELO CENNAMO, IOANNA CONSTANTIOU, MICHAEL WESSEL: "The 'Love Effect' in Crowdfunding Markets: how Platform Selective Promotion of Projects affects Value Creation"

JESPER CHRISTENSEN: "A Critical View on Equity Crowdfunding"

HADAR GAFNI, LARS JEPPESEN: "Is the Crowd wise enough to recognize Creditworthy Borrowers?"

Discussants: **PEDRO ACEVES, YESEUL CHOI**

11 LABOR AND TALENT: DRIVERS AND EFFECTS OF MOBILITY

Monday, October 18, 15:00-16:30, Room: Sp103, Chair: Llewellyn Thomas 66

AGNES GUENTHER: "Team Diversity and the Mobility of R&D Workers After Acquisitions"

POOYAN KHASHABI, TOBIAS KRETSCHMER, ALI MOHAMMADI, JOE RAFFIEE: "Cognitive Ability and Employee Mobility: Evidence from Swedish Microdata"

Discussants: **BETSABÉ PÉREZ GARRIDO, REMI ELZINGA**

PARALLEL PAPER SESSIONS 2

MONDAY, OCTOBER 18, 17:00-18:30

12 SCIENTIFIC PRACTICE: OWNERSHIP OF SCIENTIFIC KNOWLEDGE

Monday, October 18, 17:00-18:30, Room: Sps12, Chair: Nathan Rietzler5

ELODIE CARPENTIER, NICOLAS CARAYOL: "The Ownership of Academic Inventions: Is it efficient to assign the Intellectual Property Rights to Universities?"

ARMAN AKSOY, CATHERINE BEAUDRY, DAVIDE PULIZZOTTO: "The Effects of Patent Portfolio Diversification on University Startup Creation."

MATTHIJS PUNT, JARNO HOEKMAN, KOEN FRENKEN: "Unconventional Gatekeeping in Science: Impacts of Journal Ownership and Open Access on the Publication of Novel Scientific Research"

Discussants: **KYLE MYERS, PAOLA CRISCUOLO**

13 ORGANIZATIONAL BEHAVIOR: IMPACTS ON EMPLOYEES

Monday, October 18, 17:00-18:30, Room: Sps03, Chair: Stefano Baruffaldi 12

ISABEL BODAS-FREITAS, FAKHER OMEZZINE, JEFFREY OROZCO, KEYNOR MEJÍAS: "Accidental Innovation: Workers Empowerment and Inter-Organizational Collaboration"

THOMAZ TEODOROVICZ, CAROLINA GARCIA: "How Knowledge Scaling Reshapes Strategic Human Capital Management: Evidence from Acquisitions in Private Higher Education"

RITA BONVICINI, KELD LAURSEN, VERA ROCHA: "Which Employees Benefit from Employers' Open Innovation Activities?"

Discussants: **THORBJORN KNUDSEN, GEORGIOS TSIACHTSIRAS**

14 THE INSTITUTIONS OF INNOVATION: MORAL, ETHICS AND HATE

Monday, October 18, 17:00-18:30, Room: Sp213, Chair: Sofia Patsali 17

MADELEINE RAUCH, SHAZ ANSARI: "Drones in Military Warfare: The Moral and Emotional Implications of an Emerging Technology"

OLGA POJILTOV, JILLIAN GORDON, ROMEO TURCAN: "Theorizing the Emergence of Fluid Ethics and Fluid Legitimation under Uncertainty"

RAPHAELA ANDRES, OLGA SLIVKO: "The Effect of Hate Speech Regulation on German Twitter"

Discussants: **RUSSELL SEIDLE, DIEUDONNEE COBBEN**

15 INNOVATION STRATEGY: DIFFERENTIATION AND RENEWAL

Monday, October 18, 17:00-18:30, Room: Sps14, Chair: Bram Timmermans 23

KHOA NGUYEN, MIRVA PELTONIEMI, JUHA-ANTTI LAMBERG: "Strategic Renewal: Very Hard, Nearly Impossible"

SAM ARTS, BRUNO CASSIMAN, JIANAN HOU: "Technology Differentiation and Firm Performance"

JOSE ARRIETA, CHENGWEI LIU: "In Search of Contrarian Opportunities from the Blind Spot of Majority Rule"

Discussants: **STEPHEN ROPER, EUGENIA PEREZ VICO**

16 GEOGRAPHIES OF INNOVATION: LOCAL INSTITUTIONS AND REGIONAL DEVELOPMENT

Monday, October 18, 17:00-18:30, Room: Sp214, Chair: Anisa Shyti 28

ROBERT HASSINK, HUIWEN GONG: "Varieties of Capitalism and Local Industrial Development"

ANNE TANNER, EUN KYUNG PARK, CHRISTIAN ØSTERGAARD: "Agency in Green Regional Path Development: Systematic Evidence from the Nordic Regions"

MARIANNA MARINO, FORTUNA CASORIA, PIERPAOLO PARROTTA, DAVIDE SALA: "Local Government and Innovation: The Case of Italian Provinces"

Discussants: **THERESA VEER, AMIR SASSON**

17 MARKETS FOR TECHNOLOGY: PRIVATE VS PUBLIC BENEFITS

Monday, October 18, 17:00-18:30, Room: Sp212, Chair: Lori Divito 35

ALDONA KAPACINSKAITE, COLLEEN CUNNINGHAM: "Keeping Invention Confidential: the Role of Strengthened Appropriability in the Use of Trade Secrets "

DENNIS BYRSKI, FABIAN GAESSLER, MATTHEW HIGGINS: "Market Size and Research: Evidence from the Pharmaceutical Industry"

MATTEO TUBIANA, ELENA CEFIS, NICOLA GRASSANO: "The Social Return of R&D Investments: Recent Insights from the Most Prominent R&D Investors in the World"

Discussants: **LEE DAVIS, TOM GRAD**

18 OPEN INNOVATION: ABSORPTIVE CAPACITY

Monday, October 18, 17:00-18:30, Room: Sp208, Chair: Gaétan De Rassenfosse 41

ENRIQUE ACEBO, JOSÉ-ÁNGEL MIGUEL-DÁVILA, MARIANO NIETO: "Complementarity Between R&D Collaborations, Firm's Product Innovation and the Moderating Role of Absorptive Capacity"

STEFAN NAEF, MATHIAS BECK, STEPHAN WAGNER, MARTIN WÖRTER: "The Role of Outsourcing for a Firm's Innovation Capability"

DÉSIRÉ AGOSSOU, PERE ARQUE-CASTELLS, CLEMENS LUTZ, JORDI SURROCA: "Need versus Solution Absorptive Capacity: Moderating Effects on NGOs' Interventions in Developing Countries"

Discussants: **NATALIYA WRIGHT, HUGO CASTRO SILVA**

19 ENTREPRENEURSHIP: MOBILIZATION OF HUMAN CAPITAL

Monday, October 18, 17:00-18:30, Room: Sp207, Chair: Henry Lopez-Vega 47

VERA ROCHA, DARIO POZZOLI: "Give it another Shot: Startup Experience and the Mobilization of Human Capital Resources in new Ventures"

RAND GERGES-YAMMINE, ANNE TER WAL, NAMRATA MALHOTRA: "Transitioning to Circles that Matter: How Entrepreneurs Navigate Networking Arenas to Build Social Capital"

PONTUS BRAUNERHJELM, EMMA LAPPI: "Employees' Entrepreneurial Human Capital and Firm Performance"

Discussants: **ARJAN MARKUS, WOLFGANG SOFKA**

20 SCIENTIFIC PRACTICE: ACADEMIC ENTREPRENEURSHIP

Monday, October 18, 17:00-18:30, Room: Sp114, Chair: Lennard Stolz 53

CHIARA MARZOCCHI, MABEL SÁNCHEZ-BARRIOLUENGO, FUMI KITAGAWA: "Graduates Start-Ups as Knowledge Spillover: Contextual Influences from the University and Regional Ecosystems"

WOLF-HENDRIK UHLBACH: "The Effects of Academic Entrepreneurship on Productivity and Collaboration in Science"

PHILIP DOERR, UWE CANTNER, MAXIMILIAN GOETHNER, MARTIN KALTHAUS, MATTHIAS HUEGEL: "Between the Settings: Transition along the Academic Spin-Off Creation Process"

Discussants: **FRANCESCO DI LORENZO, YANTING GU**

21 ONLINE PLATFORMS: USER INCENTIVES

Monday, October 18, 17:00-18:30, Room: Sp112, Chair: Martin Murmann 60

JÖRG CLAUSSEN, ROUVEN LITTERSCHEIDT, DAVID STREICH: "Seeking Analyst Coverage: Steering User-Generated Content using Monetary Incentives"

CASSANDRA CHAMBERS, PEDRO ACEVES, MARLON ALVES: "When Credit is due but not given: The Effect of Insufficient Recognition on the Amount and Scope of Knowledge Contributions "

JOY WU: "Privacy-Seeking Behavior in the Personal Data Market"

Discussants: **TUONG-VI QUACH, PHILIPP HESS**

22 LABOR AND TALENT: LABOR MARKET DYNAMICS

Monday, October 18, 17:00-18:30, Room: Sp103, Chair: Luca Pistilli 65

YASSINE LAMRANI ABOU ELASSAD, GIUSEPPE CRIACO, JUSTIN JANSEN, TOM MOM: "Replicating the Employment Growth and Firm Failure Relationship: Is there a U-Shaped Curve?"

SAMPSA SAMILA, MARINA CHUGUNOVA, ARNAU JUANMARTI, KLAUS KELLER: "Automation, Trade and Political Participation: Evidence from US Local Labour Markets"

Discussants: **PAUL HUNERMUND, KARL WENNBERG**

23 THE DIGITAL ECONOMY: ARTIFICIAL INTELLIGENCE I

Monday, October 18, 17:00-18:30, Room: Sps13, Chair: Lukas Maier 71

JACOB HOLM, EDWARD LORENZ: "The Impact of Artificial Intelligence on Skills at Work in Denmark"

MATHEUS LEUSIN, BJÖRN JINDRA, DANIEL HAIN: "AI's Local Patterns of Innovation"

MARTINA IORI, ANDREA MINA, ARIANNA MARTINELLI: "The Direction of Technical Change in Artificial Intelligence and the Trajectory Effects of Government Funding"

Discussants: **FRANCESCO RULLANI, CHARLOTTA WINKLER**

24 THE DIGITAL ECONOMY: NEW RESEARCH APPROACHES

Monday, October 18, 17:00-18:30, Room: Sps08, Chair: Julia Toroi 76

MICHAEL WARD: "Internet Meme Production and Competition"

LLEWELLYN THOMAS, RICHARD TEE: "Generativity: A Systematic Review and Conceptual Framework"

RAVIV MURCIANO-GOROFF, RAN ZHUO, SHANE GREENSTEIN: "Hidden Software and Veiled Value Creation: Illustrations from Server Software Usage"

Discussants: **GUIDO BUENSTORF, CESARE RIGHI**

PARALLEL PAPER SESSIONS 3

TUESDAY, OCTOBER 19, 09:00-10:30

25 SCIENTIFIC PRACTICE: TIME, ROUTINES AND OWNERSHIP

Tuesday, October 19, 09:00-10:30, Room: Sps12, Chair: Rita Nana-Cheraa 1

SAMPSA SAMILA, MARKUS SIMETH, DAVID WEHRHEIM: "Institutional Ownership and the Nature of Corporate Innovation"

ROGNVALDUR SAEMUNDSSON, MAUREEN MCKELVEY: "Organizational Routines and the Growth of Knowledge in Engineering: Evolving Modes of Academic Engagement in Biomedical Engineering at Chalmers University of Technology 1948-2018."

PAULINE MATTSSON, SOTARO SHIBAYAMA: "The Role of Time in Fostering Novel Research"

Discussants: **ANTONIO VEZZANI, CAETANO PENNA**

26 ORGANIZATIONAL BEHAVIOR: BOARDS, CEOS, AUDITS

Tuesday, October 19, 09:00-10:30, Room: Sps03, Chair: Sofie Cairo 10

STEPHEN IMPINK: "Communication Within Firms: Evidence from CEO Turnovers"

STEPHANE LHUILLERY, STÉPHANIE THIERY, MARION TELLECHEA: "Open Innovation in Managerial Innovation: The Case of Internal Audit"

Discussants: **JÖRG CLAUSSEN, JITSE DUIJSTERS**

27 THE INSTITUTIONS OF INNOVATION: COMMUNITY LOGICS AND NORMS

Tuesday, October 19, 09:00-10:30, Room: Sp213, Chair: Gianluca Murgia 16

MASSIMILIANO MAZZANTI, SUSANNA MANCINELLI, LUCA CRUDELI, RAUL PITIRO: "Beyond Individualistic Behaviour: Social Norms and Innovation Adoption in Rural Mozambique"

PAUL HUNERMUND, YANNICK BAMMENS: "Can they see us? Ecological Community Logics, Identifiable Business Ownership, and Green Innovation as a Company Response"

Discussants: **NICOLETTA CORROCHER, EUNKYUNG PARK**

28 INNOVATION STRATEGY: RESPONSES TO DISCONTINUITY

Tuesday, October 19, 09:00-10:30, Room: Sps14, Chair: Sofia Rosero 21

LORI DIVITO, ERIN LEITHEISER, CHARLOTTE PILLER: "The Influence of Business Models for Sustainability on Organizational Field Change: Understanding Field Logic Shifts Towards Circularity"

LUCA PISTILLI, ALESSIO COZZOLINO, GIANMARIO VERONA, FERDINANDO PENNAROLA: "Never Give Up! how to Effectively Respond to an M&A Failure with a Post-M&A Recovery Strategy"

KELD LAURSEN, RAM MUDAMBI, LARISSA RABBIOSI: "Time to give up? The Speed of Abandoning Large-Scale Investments in an Emerging Market: The Role of Increased Presence by Competitors"

Discussants: **PEDRO DE FARIA, RICARDO LAVERDE**

29 GEOGRAPHIES OF INNOVATION: LEADERS AND CATALYSTS IN REGIONAL DEVELOPMENT

Tuesday, October 19, 09:00-10:30, Room: Sp214, Chair: Maral Mahdad 27

FRANK NEFFKE, RICCARDO CRESCENZI, ARNAUD DYÈVRE: "Innovation Catalysts: how Multinationals reshape the Global Geography of Innovation"

MASSIMILIANO CODA ZABETTA, KEUNGOU KIM, DIETER KOGLER: "Knowledge Specialization and Novel Innovations: The Role of Regional Brokerage and Collaboration Intensity"

KRISTINA ANDERSEN, ERIK RASMUSSEN, TAGE MADSEN: "Who takes the Lead? an Analysis of how Organizational Actors Change in Roles and Importance throughout the Early Life Cycle of the Odense Robotics Cluster"

Discussants: **MATTHIJS JANSSEN, DANIEL LAUFS**

30 ECO-INNOVATION: MARKET AND LABOR MARKET INCENTIVES

Tuesday, October 19, 09:00-10:30, Room: Sp212, Chair: Natalie Carlson 34

FELIX BRACHT, DENNIS VERHOEVEN: "Air Pollution and Innovation"

TOBIAS STUCKI, DAVID RISI: "More Flexibility, Less Sustainability" – how Workforce Flexibility influences Sustainable Practice Implementation"

MAXIMILIAN ELSSEN: "Innovation in Climate-Change Mitigation Technologies: A Patent Analysis"

Discussants: **VARESKA VAN DE VRANDE, FRANK VAN RIJNSOEVER**

31 MARKETS FOR TECHNOLOGY: LITIGATION

Tuesday, October 19, 09:00-10:30, Room: Sp208, Chair: Namrata Malhotra 40

JEROEN MAHIEU: "Patent Litigation, Firm Age, and High-Tech Employment"

JULIA MAZZEI, ARIANNA MARTINELLI, DANIELE MOSCHELLA: "Patent Opposition and Technology Entry"

Discussants: **BRIAN SILVERMAN, HAMID BEKAMIRI**

32 OPEN INNOVATION: STAKEHOLDERS AND INTERMEDIARIES

Tuesday, October 19, 09:00-10:30, Room: Sp207, Chair: Sara Blasco Román 46

ANNALISA CALOFFI, ANA COLOVIC, FEDERICA ROSSI, MARGHERITA RUSSO: "New Business Models for Public Innovation Intermediaries in the Internet of Things Innovation Systems"

THERESE FIGENSCHOU, JASON LI-YING, ANNE TANNER, MARCEL BOGERS: "Open Innovation in the Public Sector: A Systematic Review"

CAMILLE DOCHE: "The Strategic Influence of Stakeholders on Open Science and Innovation"

Discussants: **ISABEL BODAS-FREITAS, HYUNHA SHIN**

33 ENTREPRENEURSHIP: LEGITIMACY

Tuesday, October 19, 09:00-10:30, Room: Sp114, Chair: Sunny Mosangzi Xu 52

ZAHRA KASHANIZADEH, SAEED KHANAGHA, POURYA DARNIHAMEDANI, HENK VOLBERDA: "Only Time will tell! Analysing Legitimacy Challenges of new Internet of Things Ventures"

ADAM FROST, SANDEEP DEVANATHA PILLAI: "Entrepreneurial Strategies under Extractive Institutions"

ELIZAVETA MAKAROVA, ANNE TER WAL, ILEANA STIGLIANI: "Tell me if it feels right: Entrepreneurial Narrative (Re-)Construction through Social Interaction"

Discussants: **SZABOLCS SEBREK, JOSE ARRIETA**

34 POLICY: PROCUREMENT AND R&D

Tuesday, October 19, 09:00-10:30, Room: Sp112, Chair: Nina Bachmann 56

BASTIAN KRIEGER, VERA ZIPPERER: "Does Green Public Procurement Trigger Environmental Innovations?"

MAIKEL PELLENS, BETTINA PETERS, MARTIN HUD, CHRISTIAN RAMMER, GEORG LICHT: "Public R&D Investment in Economic Crises"

DENNIS VERHOEVEN, CHARLOTTE GUILLARD, RALF MARTIN, PIERRE MOHNEN, CATHERINE THOMAS: "Efficient Industrial Policy for Innovation: Standing on the Shoulders of Hidden Giants."

Discussants: **PIETRO SANTOLERI, PRIIT VAHTER**

35 ONLINE PLATFORMS: USER BEHAVIOR

Tuesday, October 19, 09:00-10:30, Room: Sp103, Chair: Wolf-Hendrik Uhlbach 64

MAREN MICKELER, POOYAN KHASHABI, MARCO KLEINE, TOBIAS KRETSCHMER: "Under the Radar: User Anonymity in the Design of Organizational Platforms"

CHRISTOPH GRIMPE, MARION POETZ, NATHAN RIETZLER, FLORIAN WALDNER: "The Impact of Cooperation in Innovation Contests: Poison Pill, Placebo, or Tonic?"

TUONG-VI QUACH, NIKOLAUS FRANKE: "Money changes Everything: Antecedents, Consequences, and Moderators of User Innovators' Fairness Perceptions when Firms commercialize User Innovations"

Discussants: **ELENA NOVELLI, CARMELO CENNAMO**

36 LABOR AND TALENT: EFFECTS OF INTERNATIONAL MOBILITY

Tuesday, October 19, 09:00-10:30, Room: Sps13, Chair: Zhiyan Wu 67

RAINER WIDMANN, GABRIELE CRISTELLI: "Open-Border Policy and Knowledge Diffusion"

RUTH SAMSON, NICOLAS JONARD, LAURENT BERGÉ: "Effects of Employee Mobility on Innovation: Evidence from the Collapse of Nortel Networks"

Discussants: **CORNELIA STORZ, RITA BONVICINI**

PARALLEL PAPER SESSIONS 4

TUESDAY, OCTOBER 19, 15:00-16:30

37 SCIENTIFIC PRACTICE: ROLE MODELS AND IMPRINTS

Tuesday, October 19, 15:00-16:30, Room: Sps12, Chair: Valentina Tartari 4

HC KONGSTED, KARIN HOISL, MYRIAM MARIANI: "Lost Marie Curies: Family, Education, and the Probability of Becoming an Inventor"

GIOVANNA CAPPONI, KOEN FRENKEN: "Does Academic Inbreeding affect Scientific Success?"

MICHAEL ROSE, LAURA ROSENDAHL HUBER, STEFANO BARUFFALDI: "The Long-Term Role Model Effect of Prizes to Female Scientists"

Discussants: **DENNIS BYRSKI, RUUSA LIGTHART**

38 VENTURE CAPITAL: VALUATION AND JUDGMENT

Tuesday, October 19, 15:00-16:30, Room: Sps03, Chair: Kimmo Karhu 8

NATALIYA WRIGHT, REMBRAND KONING, TARUN KHANNA: "Judging Foreign Startups"

THERESA VEER, KATJA BRINGMANN: "Everything is (not) negotiable: Supply and Demand Side Gender Bias in Startup Valuations"

CORNELIA STORZ, DANIEL EHNS, LARS SCHWEIZER: "Labor Cost Retrenchment and Innovative Firms"

Discussants: **HELI KOSKI, VIKTORIIA SEMENOVA**

39 SEARCH AND LEARNING: ATTENTION AND IDEAS

Tuesday, October 19, 15:00-16:30, Room: Sp213, Chair: Yassine Lamrani Abou El Assad 15

TOM GRAD, CHRISTOPH RIEDL, CHRISTOPHER LETTL: "Sabotage and Self-Promotion: how strategic Behaviors undermine Idea Selection"

FRANZISKA LAUENSTEIN, STEPHAN BILLINGER: "Incentives, Attention, and Search: an Eye-Tracking Experiment"

Discussants: **ZAHRA KASHANIZADEH, VALENTINA MELICIANI**

40 SEARCH AND LEARNING: KNOWLEDGE BASES AND TECHNOLOGICAL DOMAINS

Tuesday, October 19, 15:00-16:30, Room: Sps14, Chair: M. Isabella Leone 19

ALIASGHAR BAHOO TORODI, KELD LAURSEN, SALVATORE TORRISI: "Technological and Market Capabilities of Incumbent Firms as Sources of Opportunities for Spinouts"

AXEL ZEIJEN, LUIGI MARENGO, STEFANO BRUSONI: "Techno-Organizational Landscapes and Malleable Product Architectures: The Impact of Digital Technologies on the Organization of Production and Innovation"

SVERRE UBISCH, PENGFEI WANG: "Innovation on Technological 'Islands': Domain Contrast, Boundary Spanning, Knowledge Depth and Breadth"

Discussants: **FRANK NEFFKE, NICOLA CORTINOVIS**

41 GEOGRAPHIES OF INNOVATION: TECHNOLOGICAL SPECIALIZATION AND REGIONAL DEVELOPMENT

Tuesday, October 19, 15:00-16:30, Room: Sp214, Chair: Pablo D' Este 26

HUIWEN GONG, CHRISTIAN BINZ: "Cumulative Causation in Regional Industrial Path Development: A Comparative Case Study of the Video Game Industry in Shanghai and Hamburg"

KEUNGOU KIM, HYUNHA SHIN, DIETER KOGLER: "Relatedness and Science Change in Region: The Evolution of Science Space in the European Regions"

GIANLUCA ORSATTI, FRANCESCO QUATRARO, SANDRO MONTRESOR: "Technological Novelty and Key Enabling Technologies: Evidence from European Regions"

Discussants: **MASSIMILIANO MAZZANTI, NURIA MORATAL**

42 ECO-INNOVATION: INVESTMENTS, INCUBATORS AND ENACTMENT

Tuesday, October 19, 15:00-16:30, Room: Sp212, Chair: Stefano Benincasa 33

FRANK VAN RIJNSOEVER: "Avenues for Incubators to direct Entrepreneurial Ecosystems toward Sustainability"

MARIANNA MARINO, KINGA TCHORZEWSKA, PIERPAOLO PARROTTA: "The Direct and Indirect Effects of Environmental Investment Subsidies on Green Investment"

LEONHARD GEBHARDT, KATHARINA HÖLZLE, NINA BACHMANN: "'A Change is gonna come'—Enactment and Representation of Entrepreneurial Contributions to Sustainability Transitions in Entrepreneurial Ecosystems"

Discussants: **AGGELOS TSAKANIKAS, LOUISE LINDBJERG**

43 MARKETS FOR TECHNOLOGY: THE ROLE OF DIGITIZATION

Tuesday, October 19, 15:00-16:30, Room: Sp208, Chair: Ali Mohammadi 39

BENJAMIN BUETTNER, EMILIO RAITERI, MURAT FIRAT: "Patents and Knowledge Diffusion - The Impact of Machine Translation"

THOMAS SCHAPER: "Online Repositories, Search Costs and Cumulative Innovation"

Discussants: **MICHAEL WARD, TIM MEYER**

44 OPEN INNOVATION: EXTERNAL SEARCH AND KNOWLEDGE TYPE

Tuesday, October 19, 15:00-16:30, Room: Sp207, Chair: Simona Negro 45

RUSSELL SEIDLE: "Searching Wide and Far: The Relative Use of Distinct Organizational Learning Types in High Novelty Innovations"

MOHAMMAD NASIRI, ZI-LIN HE, GEERT DUYSTERS: "Cognitive Distance Dimensions and Inter-Firm Learning: Knowledge Domain and Knowledge Architecture Distance"

TETYANA MELNYCHUK: "How Degree of Interdisciplinarity determines Firms' Technological Novelty: Investigating Internal and External Learning Capabilities"

Discussants: **PAUL-EMMANUEL ANCKAERT, MARIANO MASTROGIORGIO**

45 THE INSTITUTIONS OF INNOVATION: GENDER AND COMMUNITY

Tuesday, October 19, 15:00-16:30, Room: Sp114, Chair: Agnieszka Nowinska 51

ZHIYAN WU, LUCIA NALDI, KARL WENNBERG, TIMUR UMAN: "The Mighty Girl: Family Vulnerability and Gender Homophily in Male-led Ventures"

MERCEDES DELGADO, FIONA MURRAY: "Mapping the Regions, Organizations and Individuals that drive Inclusion in the Innovation Economy"

EDOARDO FERRUCCI, FRANCESCO RULLANI: "Re-Designing Knowledge Production in the Post-Covid-19 Era. A Task-Based Approach"

Discussants: **STEPHANE LHUILLERY, EMMA LAPPI**

46 POLICY: R&D SUBSIDIES

Tuesday, October 19, 15:00-16:30, Room: Sp112, Chair: Maureen Mckelvey 58

KYLE MYERS, LAUREN LANAHAN: "Estimating Spillovers from Publicly Funded R&D: Evidence from the US Department of Energy"

PHILIPP BOEING, BETTINA PETERS: "Effectiveness and Efficacy of R&D Subsidies: Estimating Treatment Effects with One-Sided Non-Compliance"

ANDREA MINA, PIETRO SANTOLERI, ALBERTO DI MININ, IRENE MARTELLI: "The Causal Effects of R&D Grants: Evidence from a Regression Discontinuity"

Discussants: **ELODIE CARPENTIER, ENRIQUE ACEBO**

47 POLICY: ENTREPRENEURSHIP POLICIES

Tuesday, October 19, 15:00-16:30, Room: Sp103, Chair: Rudi Bekkers 59

NATALIE CARLSON, ANSELM HAGER: "Stay the Course or start over? Evidence from a randomized Field Experiment with Entrepreneurs in Zimbabwe"

TIMON DE BOER, JIP LEENDERTSE, FRANK VAN RIJNSOEVER: "Private (and Public) Investigations: How do Public and Private Incubators change different Types of Institutions?"

Discussants: **HADAR GAFNI, JASON LI-YING**

48 INDUSTRIAL DYNAMICS: SECTORAL PERSPECTIVES

Tuesday, October 19, 15:00-16:30, Room: Sps13, Chair: Kyung Yul Lee 70

GEORGIOS TSIACHTSIRAS: "Transportation Networks and the Rise of the Knowledge Economy in 19th Century France "

AIMILIA PROTOGEROU, ALEXANDRA KONTOLAIMOU, YANNIS CALOGHIROU: "Creative Industries and Resilience in Times of Crisis: The Role of Firm and Entrepreneurial Team Characteristics"

YUNXIONG LI, ANDREA ASCANI, SIMONA IAMMARINO: "The Material Basis of Modern Technologies - A Case Study on rare Metals"
Discussants: **VERA ROCHA, CASSANDRA CHAMBERS**

49 THE DIGITAL ECONOMY: ARTIFICIAL INTELLIGENCE II

Tuesday, October 19, 15:00-16:30, Room: Sps10, Chair: Moritz Lubczyk 72

ROMAN JUROWETZKI, DANIEL HAIN, JUAN MATEOS-GARCIA, KOSTAS STATHOULOPOULOS: "The Privatization of AI Research(-ers): Causes and Potential Consequences – from University-Industry Interaction to Public Research Brain-Drain?"

SAMPSA SAMILA, LIUDMILA ALEKSEEVA, MIREIA GINÉ, BLEDI TASKA: "AI Adoption and Firm Performance: Management Versus IT"

ANIKA STEPHAN-KORUS: "How do Established Organization adapt to Disruptive Technologies and Changing Settings for more Sustainability: A Comparable Study on DLT and AI Technologies in the Automotive Sector."

Discussants: **ALBA MARINO, MAREIKE SEIFRIED**

50 THE DIGITAL ECONOMY: ADAPTION AND TRANSFORMATION

Tuesday, October 19, 15:00-16:30, Room: Sps08, Chair: Tim Schweisfurth 75

EFFIE KESIDOU, HALIMA JIBRIL, STEPHEN ROPER: "Do Digital Technologies enable Firms to turn Sustainability Goals into Innovation?"

HENRY LOPEZ-VEGA: "The Digital Capability Trap: Emerging Technology Landscape and Boundaries in the Manufacturing Industry"

SOPHIE PETZOLT, KATHARINA HÖLZLE: "Promoters in the Digital Age: Exploring the Role and Activities of Informal Roles in Incumbents' Digital Transformation"

Discussants: **SILVIA RITA SEDITA, YUAN YUAN**

PARALLEL PAPER SESSIONS 5

WEDNESDAY, OCTOBER 20, 09:00-10:30

51 SCIENTIFIC PRACTICE: THE ROLE OF GENDER

Wednesday, October 20, 09:00-10:30, Room: Sps12, Chair: Raviv Murciano-Goroff 3

MARC LERCHENMUELLER, LEO SCHMALLENBACH, KARIN HOISL: "The Effect of Mentor Gender on the Evaluation of Protégés"

ALESSANDRO MUSCIO, GIOVANNA VALLANTI: "The Gender Gap in Ph.d. Entrepreneurship: Together we stand, divided we fall"

RAFFAELE MANCUSO, CHIARA FRANZONI, CRISTINA ROSSI-LAMASTRA: "Topic Choice and the Underfunding of Female Scholars in Mission-Oriented Research"

Discussants: **SHERYL WINSTON SMITH, PHILIPP BOEING**

52 VENTURE CAPITAL: ACQUISITIONS AND PERFORMANCE

Wednesday, October 20, 09:00-10:30, Room: Sps03, Chair: Semi Min 9

RON RABI, ANNAMARIA CONTI, JORGE GUZMAN: "Herding in the Market for Startup Acquisitions"

CHRISTOPHER SABEL, FRANCESCO DI LORENZO: "Are Sharks more dangerous at Dusk or Dawn? Timing of CVC Investments and Ventures' Commercial Performance"

HELI KOSKI: "Killers on the Road of Emerging Start-Ups – Implications for Market Entry and Venture Capital Financing"

Discussants: **FEDERICO TAMAGNI, SANDEEP DEVANATHA PILLAI**

53 SEARCH AND LEARNING: EVALUATION OF PROJECTS AND IDEAS

Wednesday, October 20, 09:00-10:30, Room: Sp213, Chair: Jussi Heikkilä 14

JOHANNA SCHNIER, CHRISTINA RAASCH, FERDINANDO PATAT: "The Sky is the Limit: Evaluation Bias against large Projects"

TIM SCHWEISFURTH, SILKE TEGTMEIER, OLIVER NIEBUHR: "How Money Talks: Speech Melody and Venture Evaluation"

RENATE KRATOCHVIL, CLAUDIO BISCARO, ESTHER TIPPMANN, PHILLIP NELL, ANDREW PARKER: "Cum Grano Salis, with a Grain of Salt. Gender Differences in the Involvement of Superiors in Problem Formulation."

Discussants: **ANKUR CHAVDA, GIACOMO DOMINI**

54 INNOVATION STRATEGY: TECHNOLOGY ADOPTION

Wednesday, October 20, 09:00-10:30, Room: Sps14, Chair: Thomaz Teodorovicz 22

GIANLUIGI GIUSTIZIERO, ASEEM KAUL, DIRK MARTIGNONI: "Adaptation with Complexity and Competition"

DENNIS BYRSKI, FABIAN GAESSLER, STEFANO BARUFFALDI: "Fire and Mice: The Effect of Supply Shocks on Research Technology Adoption"

MARKUS TRUNSCHKE, BETTINA PETERS: "Choosing Technologies: Benefits of Investing into the Development of Fourth Industrial Revolution Technologies"

Discussants: **ANNALISA CALOFFI, MATTHIJS PUNT**

55 GEOGRAPHIES OF INNOVATION: PROXIMITIES AND COLLABORATION

Wednesday, October 20, 09:00-10:30, Room: Sp214, Chair: Tom Neuhauser 25

FRANCESCA GHINAMI, SANDRO MONTRESOR: "Proximities and Access to Venture Capital: Evidence from Italian Innovative Start-ups"

EUGENIA PEREZ VICO, JONAS GABRIELSSON, DIAMANTO POLITIS: "Configurations of Proximities in Collaborative R&D Projects as Drivers of Radical Innovation"

MARIA LUISA MANCUSI, NICOLETTA CORROCHER: "International Collaborations in Green Energy Technologies: What is the Role of Distance in Environmental Policy Stringency?"

Discussants: **MARCO GIARRATANA, ERNEST MIGUELEZ**

56 INDUSTRIAL DYNAMICS: INNOVATION PERFORMANCE

Wednesday, October 20, 09:00-10:30, Room: Sp212, Chair: Stephen Impink 32

PHUONG ANH DUONG, WIM VOORDECKERS, JOLIEN HUYBRECHTS, FRANK LAMBRECHTS : "When Less is More and when Less is Less: Resource Constraints and Radical Innovation in Family Firms and Non-Family Firms"

MORITZ LUBCZYK, BETTINA PETERS: "Incumbents and Entrants as Carriers of Innovation and Productivity Growth"

HUGO CASTRO SILVA, TIAGO FONSECA, FRANCISCO MOITA: "Juggling Product and Process Innovation: The Role of Firm Size in Innovation Performance"

Discussants: **MATTEO TUBIANA, JEROEN MAHIEU**

57 MARKETS FOR TECHNOLOGY: IP STRATEGIES

Wednesday, October 20, 09:00-10:30, Room: Sp208, Chair: Susanne Beck 36

GAÉTAN DE RASSENFOSSE, GAÉTAN DE RASSENFOSSE: "Patents and Supra-Competitive Prices: Evidence from Consumer Product"

CESARE RIGHI, TIM SIMCOE: "Patenting Inventions or Inventing Patents? Strategic Use of Continuations at the USPTO"

M. ISABELLA LEONE, EDOARDO FERRUCCI, SALVATORE TORRISI: "Are Policy-Endorsed Patents more valuable and impactful on Follow on Technological Trajectories? The Impact of the "Licensing of Right" Policy in Germany"

Discussants: **ARMAN AKSOY, LIISA VÄLIKANGAS**

58 OPEN INNOVATION: INNOVATION IN NETWORKS

Wednesday, October 20, 09:00-10:30, Room: Sp207, Chair: Thomas Olesen 44

PHILIPP HESS, MAGNUS BUGGENHAGEN: "Innovation in Standardization Networks: The Effect of Brokerage and Technological Distance"

ANNE TER WAL, PAOLA CRISCUOLO, AMMON SALTER: "Temporal Balancing: The Timing of Network Mobilization across the Idea Journey"

JITSE DUIJSTERS, VARESKA VAN DE VRANDE, PURSEY HEUGENS, JUSTIN JANSEN, RENE BAKKER: "Accused yet Desired: when do Firms avoid Network Retaliation after Allegations of Opportunistic Behavior?"

Discussants: **CHRISTOPHER ESPOSITO, DÉSIÉ AGOSSOU**

59 ENTREPRENEURSHIP: PROTENSITIES TO COLLABORATE

Wednesday, October 20, 09:00-10:30, Room: Sp114, Chair: Tina Ambos 50

PHILIP STEINBERG, MICHAEL WYRWICH, FLORIAN NOSELEIT, PEDRO DE FARIA: "Is Cooperation Behavior imprinted in new Ventures? Evidence from a Natural Experiment"

SHWETA GAONKAR, MAHKA MOEEN: "Standing on the Parent's Shoulder or in its Shadow? Alliance Partner Overlap between Employee Spinouts and their Parents"

JULIAN GIESSING: "Are Startups the Better VCS? Evidence from Startups Investing in other Startups"

Discussants: **PONTUS BRAUNERHJELM, SVERRE UBISCH**

60 POLICY: MISSION-ORIENTED POLICY

Wednesday, October 20, 09:00-10:30, Room: Sp112, Chair: Dandan Xia 57

MATTHIJS JANSSEN, JOERI WESSELING, JONAS COLEN TORRENS, MATTHIAS WEBER, LAURENS KLERKX, CAETANO PENNA: "Missions as Boundary Objects for Transformative Change: Understanding Coordination across Policy, Research and Stakeholder Communities"

GIANLUCA PALLANTE, EMANUELE RUSSO, ANDREA ROVENTINI: "Does Mission-Oriented Funding stimulate Private R&D? Evidence from Military R&D for US States"

REMI ELZINGA, MATTHIJS JANSSEN, SIMONA NEGRO, MARKO HEKKERT: "Mission-Oriented Innovation Systems Dynamics in the Circular Economy"

Discussants: **JACOB HOLM, CAMILLE DOCHE**

61 ONLINE PLATFORMS: AWARDS, COMPLIMENTS AND MOTIVATION

Wednesday, October 20, 09:00-10:30, Room: Sp103, Chair: Joy Wu 63

SILVIA RITA SEDITA, SILVIA BLASI, BENEDETTA CRISAFULLI: "An Exploration of the Determinants of Success in Crowdsourcing Initiatives: is it more a Matter of User Talent or Engagement? "

MAX MULHUIJZEN, JEROEN DE JONG: "Users complementing Producer Products: an Analysis of Contributions by Professionals and Hobbyists"

ALEXANDER STAUB, TOM GRAD, CHRISTOPHER LETTL: "Symbolic Awards in Online Communities: Evidence from a Natural Experiment"

Discussants: **AIMILIA PROTOGEROU, BILL SCHULZE**

62 LABOR AND TALENT: THE ORGANIZATION AND FLOW OF WORKERS

Wednesday, October 20, 09:00-10:30, Room: Sps13, Chair: Julia Mazzei 68

FAKHER OMEZZINE, ISABEL BODAS-FREITAS: "Quantity, Variety, or both? "R&D Worker Flows, Diversity, and Effects on Technological Performance""

NICOLA CORTINOVIS, FRANK VAN DER WOUDE: "Better by Design? Collaboration and Performance in the Board-Game Industry"

AGNIESZKA NOWINSKA, MARTA DOWEJKO: "Let's move together: Agency, Social Capital and Multiple Paths leading to Comobility"

Discussants: **ALIASGHAR BAHOO TORODI, MIRVA PELTONIEMI**

63 THE DIGITAL ECONOMY: SKILLS AND ORGANIZATION OF WORK

Wednesday, October 20, 09:00-10:30, Room: Sps08, Chair: Tobias Stucki 74

MAREIKE SEIFRIED: "From Offline to Online Labor Markets: The Relationship between Freelancers' prior offline and online Work Experience"

VALERIA CIRILLO, LUCREZIA FANTI, ANDREA MINA, ANDREA RICCI: "Digitizing Firms: Skills, Work Organization and the Adoption of new Enabling Technologies"

ARTUR SANTOALHA, DAVIDE CONSOLI, FULVIO CASTELLACCI: "Digital Skills, Relatedness and Green Diversification: A Study of European Regions"

Discussants: **CHIARA MARZOCCHI, ROBERT HASSINK**

PARALLEL PAPER SESSIONS 6

WEDNESDAY, OCTOBER 20, 15:00-16:30

64 SCIENTIFIC PRACTICE: INTERDISCIPLINARITY AND COLLABORATION

Wednesday, October 20, 15:00-16:30, Room: Sps12, Chair: Matheus Leusin 2

PABLO D' ESTE, NICOLÁS ROBINSON-GARCÍA: "Interdisciplinary Research and the Societal Visibility of Science: The Advantages of Spanning Multiple and Distant Scientific Fields"

HYUNHA SHIN, KEUNGOU KIM, DIETER KOGLER: "Science Collaboration, Research Funding, and Novelty in Scientific Knowledge"

DANIEL LAUFS, TETYANA MELNYCHUK, CARSTEN SCHULTZ: "The Double-Edged Sword of Interdisciplinary Research – Knowledge Recombination for a Successful Research Publication"

Discussants: **ELENA CEFIS, JARNO HOEKMAN**

65 VENTURE CAPITAL: CORPORATE INVESTORS AND SOCIAL CAPITAL

Wednesday, October 20, 15:00-16:30, Room: Sps03, Chair: Romeo Turcan 7

THOMAS RØNDE, FRANCESCO DI LORENZO: "The Darkside of Corporate Venture Capital: A Theoretical Framework"

DAMIANO MARIA MORANDO, ANNE TER WAL, STEFANO BRESCHI: "Showcasing Strategies in Entrepreneurs' Quest for Venture Capital Funding: Evidence from Twitter"

SHERYL WINSTON SMITH: "Spanning two Worlds? Corporate Accelerators and Corporate Venture Capital in Innovation Portfolios"

Discussants: **FABIAN GAESSLER, MATHIAS BECK**

66 ORGANIZATIONAL BEHAVIOR: THE ORGANISATION OF INNOVATION ACTIVITIES

Wednesday, October 20, 15:00-16:30, Room: Sp213, Chair: Susanne Kurowski 11

JIHO YANG, PAOLA CRISCUOLO: "Organization Structure of Development and Firm Innovation"

KATHERINE TATARINOV, TINA AMBOS, JULIAN BIRKINSHAW: "The Relational Value of Innovation Units"

ED SAIEDI, SIMON OKWIR, VIKASH SINHA: "Innovation Configurations and Firm Performance: an FsQCA Approach"

Discussants: **ROMAN JUROWETZKI, KATHARINA HÖLZLE**

67 SEARCH AND LEARNING: FAILURE AND SUCCESS

Wednesday, October 20, 15:00-16:30, Room: Sps14, Chair: Pedro Mesquita 20

KYUNG YUL LEE, HYUN JU JUNG, YOUNGSUN KWON: "Performance Feedbacks and new Recombination: Evidence from Consistent Success vs. Recent Failure in the Smartphone Industry"

PRIIT VAHTER, JAMES LOVE, STEPHEN ROPER: "Do Firms really learn from Failure? The Dynamics of Abandoned Innovation"

BILL SCHULZE, RYAN ANGUS, MATT BARLOW: "Do Entrepreneurs learn from Failure: The Perils of Persistence"

Discussants: **DIEGO ZUNINO, FRANCESCA GHINAMI**

68 ECOSYSTEMS: INNOVATION SYSTEMS

Wednesday, October 20, 15:00-16:30, Room: Sp214, Chair: Raffaele Mancuso 30

DIEUDONNE COBBEN, WARD OOMS, NADINE ROIJAKKERS: "Indicators for Innovation Ecosystem Health: A Delphi Study"

ADRIAAN VAN DER LOOS, KOEN FRENKEN, SIMONA NEGRO, MARKO HEKKERT: "On the Resiliency of Innovation Systems"

Discussants: **ANDERS BROSTRÖM, PETROS DIMAS**

69 INDUSTRIAL DYNAMICS: PERFORMANCE AND GROWTH

Wednesday, October 20, 15:00-16:30, Room: Sp212, Chair: Agnes Guenther 31

FEDERICO TAMAGNI, GIULIO BOTTAZZI, TAEWON KANG: "Persistence in Firm Growth: an Intra-Distributional Analysis"

AGNIESZKA NOWINSKA, THOMAS OLESEN: "Survival, Performance, and Heterogeneity of Push-Induced Corporate Spin-Offs"

RICARDO LAVERDE: "The Effect of Import Competition on Related Diversification and Performance"

Discussants: **ALESSANDRO MUSCIO, SUBHAN SHAHID**

70 MARKETS FOR TECHNOLOGY: PATENT DISCLOSURES

Wednesday, October 20, 15:00-16:30, Room: Sp208, Chair: Timon De Boer 38

LUCA GIUS: "Arrow's Disclosure Paradox and the Inequality of Ideas"

DANDAN XIA: "Patent Disclosure and Firm new Product Performance – Evidence from China"

ALEXANDRA ZABY, DIANA HEGER: "Patent Disclosure, Legal Rules, and Cumulative Innovation"

Discussants: **SANDRO MONTRESOR, MARILYNE CHICOINE**

71 OPEN INNOVATION: INTERNAL-EXTERNAL INTERFACES

Wednesday, October 20, 15:00-16:30, Room: Sp207, Chair: Martin Queißner 42

LUIS RIOS, NICHOLAS ARGYRES, BRIAN SILVERMAN: "Internal Network Structure as an Innovation Appropriation Mechanism"

FEDERICA CECI, M. ISABELLA LEONE, VALENTINA MELICIANI: "The Impact of Internal and External Dimensions on Open Innovation Implementation: a Mixed-Method Study"

SUNNY MOSANGZI XU, MARCEL BOGERS: "Managing Exploration-Exploitation Processes in Interorganizational Project at the Temporary-Permanent Interface"

Discussants: **KRISTINA ANDERSEN, THERESE FIGENSCHOU**

72 ENTREPRENEURSHIP: STARTUP STRATEGY

Wednesday, October 20, 15:00-16:30, Room: Sp114, Chair: Christopher Sabel 49

MARTIN MURMANN, CHRISTOPH GRIMPE, NATHAN RIETZLER, WOLFGANG SOFKA: "Digitalization in Startups and the Proclivity to Professionalize – Ignorance is Bliss?"

ANISA SHYTI, AMIR SASSON, CORINA PARASCHIV: "The Priceless Entrepreneur? A Behavioral Account on Skill and Ambiguity Premia"

Discussants: **CORNELIA LAWSON, BENJAMIN BUETTNER**

73 SCIENTIFIC PRACTICE: COLLABORATIVE PRACTICES

Wednesday, October 20, 15:00-16:30, Room: Sp112, Chair: Sofie Dalum 54

SUSANNE BECK, MARCEL LAFLAMME, ROBIN BREHM, MARION POETZ: "Exploring Organizational Design for Openness and Collaboration in Scientific Organizations"

VALENTINA TARTARI, ANNE TER WAL, BALINT DIOSZEGI, MAUREEN MCKELVEY: "Bridging the Gap: Boundary Spanners' Selective Network Mobilization across the Industry-Academia Divide"

RENATE KRATOCHVIL, RAGNHILD KVÅLSHAUGEN: "The Trapped Researcher and the Paradox of Relevance – an Ethnographic Study about a Practitioner-Researcher Collaboration"

Discussants: **MARTIN KALTHAUS, MARKUS SIMETH**

74 ONLINE PLATFORMS: EFFECTS AND EXTERNALITIES

Wednesday, October 20, 15:00-16:30, Room: Sp103, Chair: Maximilian Elsen 62

TIM MEYER, CARMELO CENNAMO, ERDEM YILMAZ: "Platform-Based Disruption: The Dual Effect of Digital Platforms on Incumbent Firms"

KIMMO KARHU, MIKKO HEISKALA, PAAVO RITALA, LLEWELLYN THOMAS: "Platform Externalities: Beyond the N in Network Effects"

Discussants: **HC KONGSTED, THOMAS SCHAPER**

75 LABOR AND TALENT: INVENTORS AND R&D WORKERS

Wednesday, October 20, 15:00-16:30, Room: Sps13, Chair: Rand Gerger-Yammine 69

CHRISTOPHER ESPOSITO, FRANK VAN DER WOUDE: "Learning, Fast and Slow: The Returns to Experience and Team Size for High-Impact Innovation in the United States between 1836 and 1975"

CHUNGEUN YOON, KIRK DORAN: "Immigration and Invention: Evidence from the Quota Acts"

PAUL-EMMANUEL ANCKAERT, WOLF-HENDRIK UHLBACH: "In Search of new Knowledge: When does hiring Foreign R&D Workers foster Exploration?"

Discussants: **KLAUS KELLER, RON RABI**

76 LABOR AND TALENT: EFFECTS ON SKILLS, EQUALITY AND FDI

Wednesday, October 20, 15:00-16:30, Room: Sps08, Chair: Raphaela Andres 73

MATTIA PEDOTA, LUCA GRILLI, LUCIA PISCITELLO: "Technology Adoption and Upskilling in the Wake of Industry 4.0"

GIACOMO DOMINI, MARCO GRAZZI, DANIELE MOSCHELLA, TANIA TREIBICH: "For Whom the Bell Tolls: The Effects of Automation on Wage and Gender Inequality within Firms"

MASSIMILIANO CODA ZABETTA, ERNEST MIGUELEZ, FRANCESCO LISSONI, SARAH HEGARTY: "Foreign Managers and the Direction of FDI: Firm-Based Evidence"

Discussants: **ALEXANDER STAUB, GIANLUCA PALLANTE**

POSTER PRESENTATIONS

Tuesday, October 19, 10:30-11:00 and 14:30-15:00 (CBS Main Lobby)

VIKTORIA SEMENOVA, SZABOLCS SEBREK: “The Emergence of the Hungarian Blockchain Ecosystem: Development Trajectory, Success Factors, and Innovative Solutions to User Problems through multiple Cases”

RUUSA LIGTHART: “The Development of Open Service Innovation at Public Sector”

MARYNA VAKULENKO, TOMMY CLAUSEN, LARS MOLDEN: “There is Safety in Numbers: The mediating Role of Dynamic Capabilities in the Transactive Memory System and Business Model Innovation Link”

ELENA LIZUNOVA, DENISA MINDRUTA: “From Unemployed to Business Owner: Improving the Returns from Venture Creation through Experimentation”

LAILA ALALI, EVA NIESTEN, DIMITRI GAGLIARDI: “The Impact of UK Financial Incentives on the Adoption of Commercial Electric Vehicles: The Moderation Effect of GDP Change”

TOM NEUHAUSER, YULIYA SNIHUR: “Towards a Theory of Informal Disruption”

YUAN YUAN, GIULIANA BATTISTI, STEPHEN ROPER: “Driver or Enabler? The Role of Social Media on Open Innovation”

SZABOLCS SEBREK, BETSABÉ PÉREZ GARRIDO: “How Competitive Pressure, R&D Slack and Environmental Conditions impact the Degree of Openness Choice: The Use of Mixed Logit Models with Random Effects in Panel Data”

SUSANNE KUROWSKI, CLAUDIA DOBLINGER, KAVITA SURANA, ADRIAN RUMPOLD: “Digitize and Grow? How Product Digitization affects new Venture Growth”

LUIGI MARENGO, MARIANO MASTROGIORGIO, MANUEL ROMAGNOLI: “Sensitivity, Innovation Attitudes, and Perseverance as the Strategic Foundations of Exaptation”

BRAM TIMMERMANS, CHRISTIAN ØSTERGAARD: “Workplace Diversity and Innovation Performance, Current State of Affairs and Future Directions”

INDIRA YARULLINA, MARTIN KALTHAUS, UWE CANTNER: “Science-Industry Collaborations: Factors and Outcomes”

LENNARD STOLZ, MARTIN QUEISSNER: “Synthesizing the Evidence on Entrepreneurial Contexts: A Meta-Analysis of Entrepreneurial Ecosystems”

SEOKJUN LEE, YESEUL CHOI, MINYOUNG CHOI, JAE-SUK YANG: “The Effect of Rater Accuracy on Performance Assessments within Organizations”

MINYOUNG CHOI, JAE-SUK YANG: “The Role of Resource Allocation and Goal Prioritization in Achieving Multiple Organizational Goals”

ALBA MARINO, FRANCESCO QUATRARO, COGNETTI DE MARTIIS: “Green Technologies and the Global Economy: The Role of Ethnic Inventors in Recombinant Dynamics”

JUSSI HEIKKILÄ, JOAKIM WIKSTRÖM: “Standardized general purpose Technologies: A note”

JARNO HOEKMAN, BASTIAN RAKE: “Geography of authorship: How Geography shapes Authorship Attribution in Global Team Science”

MARTINA AYOUB: “Recombination and Complementarity: The Case of Green Innovation”

RITA NANA-CHERAA, STEPHEN ROPER, KEVIN MOLE: “Evaluating the Innovation Policy Mix Impact on UK Businesses Innovation Performance”

MARCO GIARRATANA, MARTINA PASQUINI, KONSTANTINA VALOGIANNI: “Abduction in Management Research: The Case of Social Identity Theory”

FIORENZA BELUSSI, IVAN DE NONI, YANTING GU: “Emerging countries MNEs and innovation in European regions”

CARITA MIRJAMI EKLUND, KRISTOF VAN CRIEKENGEN: “Fast as a Gazelle – Young Firms Gaining from Educational Diversity”

PHILIPP BUBENZER: “Who are we becoming: An identity-based view of members’ identification with innovations”

DRUID DRINKS

Included in conference registration
Monday, October 18, 18:30-19:30 (CBS Kilen)

In the setting of CBS' most architecturally stunning building, we enjoy a glass, some snacks -- and the opportunity to stand next to real, living, breathing colleagues from around the world! 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 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.



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 architectonically 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:

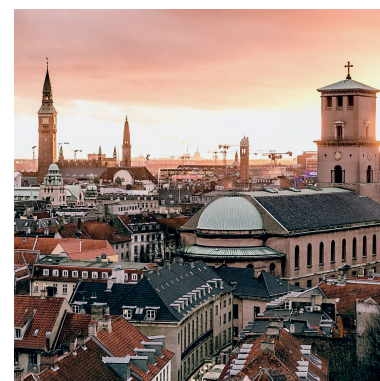
City Walk! Classic sightseeing with a twist

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 Harbor Bridges, and the old houses of "pre-fire" Copenhagen, with guides knowledgeable about both history and the sustainability aspects of current city renewal processes. 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 favorite haunt.

Walking distance: Around 3 kilometers over 2 hours.



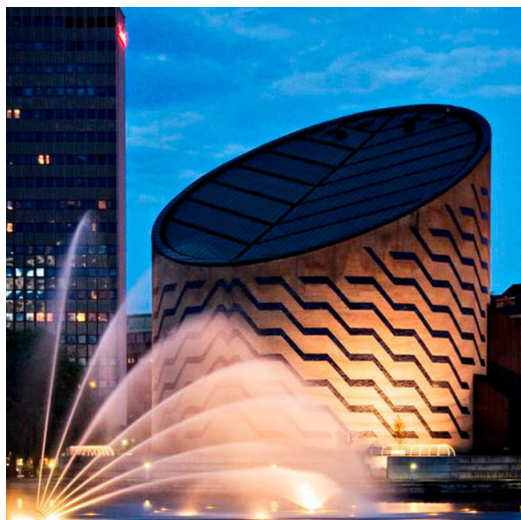
DISCOVERY 3: JUST DRUID! Your own way

No registration required - walk at your own initiative and leisure!

Assembly point: CBS Main lobby 16:30.

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

Please be at the DRUID Conference Dinner by 19:00. Walking from downtown Copenhagen approx. 500 meters/5 minutes. Walking from the conference venue approx. 2.5 kilometres/30 minutes.



DRUID DINNER AND PAPER AWARD CEREMONY

Tuesday, October 19, 19:00-23:00

Planetarium, Gammel Kongevej 10, 1610 København V

5 minutes walk from the Central Station, at the end of the Copenhagen lakes (Metro: København H)

Included in conference registration

The grand DRUID DINNER is known for its excellent food and high fun factor. This year we will wine and dine amongst the stars in Copenhagen's funky little planetarium. First, we will visit outer space, sipping drinks and handing out DRUID best paper awards. Back on planet Earth, we dine at the edge of Copenhagen's historic lakes. The DRUID DINNER menu will of course be light on meat but rich in taste, mixing international flavors with New Nordic cuisine.

DRUID DECADENCE AFTER PARTY

Wednesday, October 20, 20:00-01:00

Tempelriddersalen, Ny Kongensgade 9C, 1472 Copenhagen K

Downtown (Metro: Rådhuspladsen or Nørreport)

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

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, the concept is cocktails, relaxed dining and some serious shaking off of the last conference dust! In order to be able to make at least as much noise as last time, we return to an old favorite, 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, the hall will once more feel the fire as DRUIDs take it over again. After we have tanked up on food and drinks, DRUID's good friends, the band The Party, known for their uncompromising approach to the dancefloor, will challenge us to party like its 2021 and post-Covid!



NOMINEES FOR THE **2021** **STEVEN KLEPPER AWARD** FOR BEST YOUNG SCHOLAR PAPER

PAPER NO. 1: INNOVATION IN STANDARDIZATION NETWORKS: THE EFFECT OF BROKERAGE AND TECHNOLOGICAL DISTANCE



PHILIPP HESS

Technical University Berlin



MAGNUS BUGGENHAGEN

Technical University Berlin

ABSTRACT

Firms can use the market influence of standards to shape technological trajectories and promote the diffusion of their innovations. The involvement in the development process of standards can, at the same time, foster firms' subsequent innovation. While prior research provides evidence of this "side effect" of standardization, so far, little is known about it. This article investigates determinants for the relationship between participation in standard-setting and firm-level innovation by taking on a knowledge-based view of firms' exchanges during the development of standards. Modeling knowledge networks formed by co-authors of chemical technology standards published between 2000 and 2010, we find that innovative output is associated with the network structure and participant heterogeneity. Results from panel regression show that firms' patent output after standardizing activity is higher when their network position grants them broker status, while the relationship is inverse U-shaped regarding technological distance to co-standardizers. The findings contribute to research on the relationship between standardization and innovation, particularly underlining standardization functioning as a knowledge transfer channel. We discuss how the concept of modeling interaction in standard-setting as co-authorship networks can be applied to investigate the effect of different institutional standardization contexts.

PAPER NO. 2: PATENT DISCLOSURE AND FIRM NEW PRODUCT PERFORMANCE – EVIDENCE FROM CHINA



DANDAN XIA

IESE Business School

ABSTRACT

We investigate the effect of information disclosed from patents on firms' new product performance and its heterogeneous effects across firms. We exploit a patent subsidy program in China as a quasinatural experiment. With a staggered difference-in-difference method, we find that firms have a significant increase in their sales revenue from new products after the enactment of the patent subsidy policy. The mechanisms we propose is patent subsidies have caused firms to file more patents and more information is disclosed publicly, which can be read and learned by other firms to improve their new products. Highly innovative firms at technological frontier benefit less from disclosed information in patents than those that are closely following them. This is because frontier firms reveal more advanced technologies through patents, and they may already have access to advanced technological information in their areas other than patents.

PAPER NO. 3: ONLINE REPOSITORIES, SEARCH COSTS AND CUMULATIVE INNOVATION



THOMAS SCHAPER

KU Leuven

ABSTRACT

Efficient access to existing knowledge is essential to technical advance, yet little is known about how access-enhancing institutions shape intertemporal knowledge spillovers. In this paper, I investigate the cumulative technological impact of the CNIDR AIDS Database, the first, disease-targeted, online repository of electronic patent documents, launched in 1994. Tracing references from subsequent patents, I find that the marginal impact of the repository was largest (+30%) among patents for which the established disease-link was previously non-obvious to detect through standard bibliographic search, in line with predictions of stronger reduction of internal search costs. Further findings suggest that increased visibility and attention to more “hidden” prior art particularly benefited private sector HIV researchers, and was reflected in enhanced diffusion of technological knowledge across scientific community and geographic boundaries.

COFFEE CONVERSATIONS

Monday, October 18, 14:30-15:00 and 16:30-17:00

Tuesday, October 19, 10:30-11:00 and 14:30-15:00 (including Poster Sessions)

Wednesday, October 20, 10:30-11:00 and 14:30-15:00



Coffee Conversations take place twice a day in the Main Lobby at Solbjerg Plads

A Lot Can Happen Over Coffee

Assembling so many good people under one roof, DRUID19 certainly offers you the possibility for great, challenging and innovative Coffee Conversations



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Myriam Mariani	Bocconi University
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THE DRUID SCIENTIFIC ADVISORY COMMITTEE



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.



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 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



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.



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

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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

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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

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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

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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)



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

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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.



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

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Internet-based start-ups, including their use of social media;
crowdfunding; and Big Data.



WESLEY M. COHEN

Wesley M. Cohen is Professor of
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THE DRUID EXECUTIVE COMMITTEE



MARK LORENZEN DIRECTOR OF DRUID

Mark Lorenzen is Associate 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*.



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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.



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*.



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

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