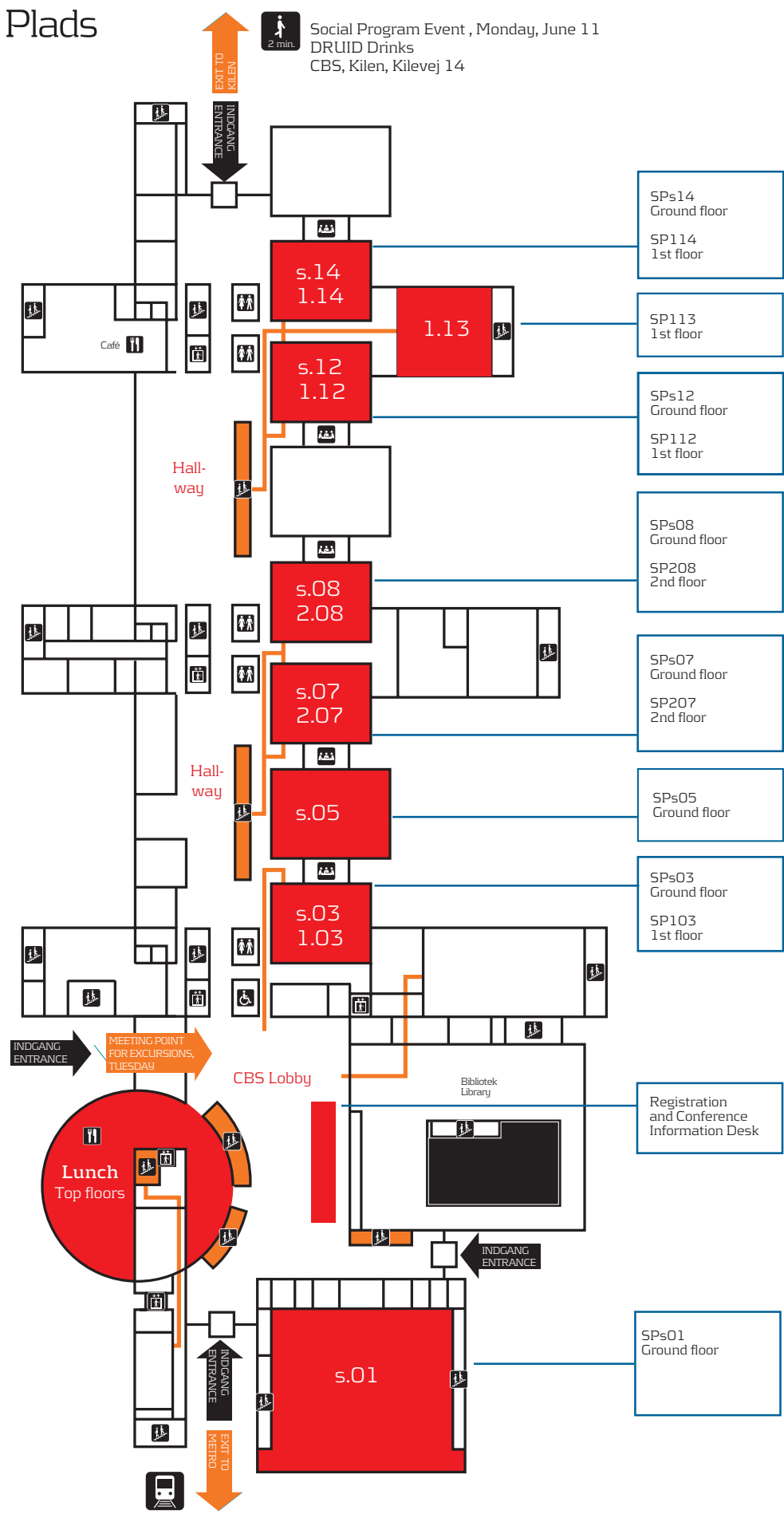


Map of Solbjerg Plads

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



DRUID

Copenhagen Business School

June 11-13, 2018





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Industry and Innovation

INDUSTRY AND INNOVATION

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

CURRENTLY in its 25th year and with 10 annual issues, Industry and Innovation's 2016 5-year impact factor in Thomson Reuters' Social Science Citation Index was 1.534.

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SESSION GUIDELINES

FOR PRESENTERS, DISCUSSANTS AND CHAIRS

THE FORMAT OF DRUID DEBATES

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

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

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

THE FORMAT OF PARALLEL PAPER SESSIONS

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

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

Computer projectors/beamers will be available for PowerPoint presentations.

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 co-authors. Structure your presentation so that you have time for your findings and their possible implications (when relevant). Avoid or explain uncommon abbreviations or terms
- Accommodate the session chair, who will tell you at the beginning of the session how long your presentation can last. This will vary between sessions depending on the number of papers to be presented. In a one and a half hour session with three papers you should aim to speak for no more than 15 minutes leaving time for your discussants and for the floor. We have asked session chairs to be very strict in terms of time management so that each presenter has an equal amount of time
- Abide by the timing cards presented to you during your presentation by the session chair, indicating how much is left of your allotted time: Five minutes remaining; Two 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 five 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 five minutes before the appointed time. If using PowerPoint the presenters have been asked to upload their presentation on the PC before the start of the session to save time. Solicit advice at the info desk or through student assistants if experiencing trouble.
- Introduce yourself to the presenters. Ask them for biographical details to use in introducing them. Make sure that their presentation has been uploaded. Inform them of the maximum time they will have to present their paper. For example, in a one and a half hour session with three papers, each presenter should have 15 minutes and the two discussants should be allocated 12 minutes each. It is important that participants are given the chance to ask additional questions from the floor
- Introduce the author and title for each paper
- Use the series of timing cards, available to you in the session room, to help the presenter or discussants to manage the time. The first card you pass indicates that the presenter or discussant has a maximum of five minutes left. The second card indicates that there are two minutes left. The third and final RED card indicates that their time is over and the presenter or discussant must STOP. In issuing the red card you must be polite but firm. It is to be fair to other presenters or discussants in the session and to the audience who will wish to contribute in the discussion time. As a rule, a presenter who gets the RED card is allowed to finish the sentence but speak no further
- Ask those who ask questions in the Q&A part of each session to identify themselves and to keep their comments as short as possible to allow time for the presenters to respond in full. You may decide how to organize this element of the session, i.e. after each paper or after all the papers have been presented.

- Ensure that the session finishes on time. With the number of papers to be presented this is going to be a busy event. Sessions that over run have implications for other sessions or events later in the day.
- Finally, thank you for chairing and helping to make the conference successful!

INSTRUCTIONS FOR POSTER PRESENTERS

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

Ideally a poster will provide information on:

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

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

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

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

The poster sessions are listed on page 35.

MONDAY, JUNE 11	
09:00	<p>PROFESSIONAL DEVELOPMENT WORKSHOPS (PDWS)</p> <p>PDW1: The Mobility of People & Ideas: Implications for the Direction of Innovation (SPso3)</p> <p>PDW2: Exploring Potentials of Machine Learning and Artificial Intelligence from an Industry & Innovation Perspective (SPso5)</p> <p>PDW3: The Organization of Global Connectivity (SPso7)</p>
12:00	<p>CONFERENCE REGISTRATION (Main lobby)</p>
13:15	<p>WELCOME (SPs01) By MARK LORENZEN</p>
13:30	<p>OPENING KEYNOTE: “THE SCIENCE OF SCIENCE: COLLABORATION STRATEGIES FOR IMPROVING SCIENTIFIC IMPACT” (SPs01) By BRIAN UZZI Chair: HC KONGSTED</p>
14:30	<p>COFFEE CONVERSATIONS (Main lobby) (Included in conference fee)</p>
15:00	<p>PARALLEL PAPER SESSIONS 1</p>
16:30	<p>COFFEE CONVERSATIONS (Main lobby) (Included in conference fee)</p>
17:00	<p>PARALLEL PAPER SESSIONS 2</p>
18:30 19:30	<p>DRUID DRINKS (CBS Kilen) (Included in conference fee)</p>

TUESDAY, JUNE 12	
09:00	PARALLEL PAPER SESSIONS 3
10:30	COFFEE CONVERSATIONS (Main lobby) (Included in conference fee)
11:00	KEYNOTE: “ALL ABOUT THAT CONTEXT: REPLICATING AND GENERALIZING INNOVATION RESEARCH” (SPs01) By LORI ROSENKOPF Chair: VALENTINA TARTARI
12:00	LUNCH (Canteen, top floors) (Included in conference fee)
13:00	DRUID DEBATE ON ‘STAR SCIENTISTS’ (SPs01) MOTION: “THE FOCUS ON ‘STAR SCIENTISTS’ IN SCIENCE AND INNOVATION POLICY IS MISPLACED, AND DETRIMENTAL TO DEVELOPMENT OF EFFECTIVE POLICIES FOR ECONOMIC DEVELOPMENT” Speaking for the motion: JASON OWEN-SMITH and ALDO GEUNA Speaking against the motion: CATHERINE BEAUDRY and ALEXANDER OETTL Moderator: KELD LAURSEN
14:30	COFFEE CONVERSATIONS (Main lobby) (Included in conference fee)
15:00	PARALLEL PAPER SESSIONS 4
16:30	DRUID DISCOVERIES EXCURSIONS (Meeting point: Main lobby) (Registration and pre-payment required. See conference website) DISCOVERY 1: COPENHAGENIZE! BIKE EXCURSION DISCOVERY 2: COPENHILL! POWER PLANT AND SKI SLOPE DISCOVERY 3: CITY WALK! CLASSIC SIGHTSEEING WITH A TWIST DISCOVERY 4: JUST DRUID! YOUR OWN WAY
19:00 23:00	DRUID DINNER AND PAPER AWARD CEREMONY (Pakhus 11, Dampfærgevej 2, 2100 Copenhagen Ø) (Included in conference fee)

WEDNESDAY, JUNE 13	
09:00	PARALLEL PAPER SESSIONS 5
10:30	COFFEE CONVERSATIONS (Main lobby) (Included in conference fee)
11:00	DRUID DIRECTIONS PARALLEL KEYNOTES NEIL THOMPSON: “Science is Shaped by Wikipedia” (SPso5) Chair: METTE PRÆST KNUDSEN THERESA VEER: “Social defenses and the strategic (non-)disclosure of ventures” (SPso7) Chair: JESPER LINDEGAARD CHRISTENSEN JOE RAFFIEE: “Discontinuities in the value of relational capital” (SPso8) Chair: KRISTINA VAARST ANDERSEN
12:00	LUNCH (Canteen, top floors) (Included in conference fee)
13:00	DRUID DEBATE ON COMMUNITY INNOVATION SURVEY DATA (SPso1) MOTION: “THE USEFULNESS OF COMMUNITY INNOVATION SURVEY DATA FOR EMPIRICAL RESEARCH TO ADVANCE OUR KNOWLEDGE ON FIRM-LEVEL INNOVATION IS FACING STRONG DIMINISHING RETURNS AND IT IS TIME TO MOVE ON” Speaking for the motion: BRUCE TETHER and REINHILDE VEUGELERS Speaking against the motion: ASHISH ARORA and AIJA LEIPONEN Moderator: AMMON SALTER
14:30	COFFEE CONVERSATIONS (Main lobby) (Included in conference fee)
15:00	PARALLEL PAPER SESSIONS 6
16:30 17:00	CONFERENCE CLOSING (SPso1)
19:30-??	DRUID DECADENCE AFTER PARTY (Pladeværkstedet, Refshalevej 167G, 1432 Copenhagen K) (Registration and pre-payment required. See conference website)

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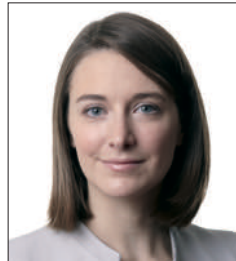
KELD LAURSEN

Copenhagen Business
School



AMMON SALTER

University of Bath



VALENTINA TARTARI

Copenhagen Business
School



KRISTINA VAARST

ANDERSEN
University of Southern
Denmark

WELCOME

Monday, June 11, 13:15-13:30 (SPso1)



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

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

Department of Innovation and Organizational Economics
at the Copenhagen Business School and director of DRUID.
His research is in the field of industrial dynamics, with a spe-
cial 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 Ge-
ography, 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 deputy
editor of Management and Organization Review, 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 re-
view boards for Journal of International Business Studies,
Industry and Innovation, and Creative Industries Journal.

OPENING KEYNOTE

Monday, June 11, 13:30-14:30 (SPs01)

Chair: HC KONGSTED

"THE SCIENCE OF SCIENCE: COLLABORATION STRATEGIES FOR IMPROVING SCIENTIFIC IMPACT"



BRIAN UZZI

Brian Uzzi is a scientist, teacher, consultant, and speaker on leadership, social networks, and AI. He is the Richard L. Thomas Distinguished Professor of Leadership at the Kellogg School of Management, professor of sociology, and professor of Engineering at Northwestern University. He is Director of the Northwestern University Institute

on Complex Systems and Data Science and the Kellogg Architectures of Collaboration initiative. Brian has been awarded over 25 scientific prizes and teaching awards, lectured in more than 30 countries worldwide, and been on the faculties of Harvard, INSEAD, University of Chicago, and Berkeley. Media reports of his work appear worldwide in the WSJ, TEDx, Newsweek, Fortune, Wired, TV, Harvard Business Review, and the New Yorker Magazine. He holds a PhD from Stony Brook University (sociology).

<http://www.kellogg.northwestern.edu/faculty/uzzi>

KEYNOTE

Tuesday, June 12, 11:00-12:00 (SPs01)

Chair: VALENTINA TARTARI

"ALL ABOUT THAT CONTEXT: REPLICATING AND GENERALIZING INNOVATION RESEARCH"



LORI ROSENKOPF

Lori Rosenkopf is the Simon and Midge Palley Professor at the Wharton School of the University of Pennsylvania. She also serves as the Vice Dean and Director of the Wharton Undergraduate Division, and has received the Hauck Award for distinguished teaching in the undergraduate program. Trained as a systems engineer, Lori earned her B.S. from

Cornell and her M.S. from Stanford and worked for Eastman Kodak and AT&T Bell Laboratories before earning her Ph.D. in Management of Organizations from Columbia. Lori's research explores communities of firms and professionals that shaped, and are shaped by, technological change. Lori has served as a Senior Editor for the journal Organization Science and as a consultant for the National Academy of Sciences, and she has been elected as the Chair of the Technology and Innovation Management Division of the Academy of Management and also a member of the Macro-Organizational Behavior Society.

DRUID DIRECTIONS PARALLEL KEYNOTES



NEIL THOMPSON: “SCIENCE IS SHAPED BY WIKIPEDIA”

Wednesday, June 13, 11:00-12:00 (SPso5)

Chair: METTE PRÆST KNUDSEN

NOMINATED FOR THE DRUID BEST PAPER AWARD

As the largest encyclopedia in the world, it is not surprising that Wikipedia reflects the state of scientific knowledge. However, Wikipedia is also one of the most accessed websites in the world, including by scientists, which suggests that it also has the potential to shape science. This paper shows that it does through a combination of randomized experiments, machine learning, and Big Data.

Neil Thompson is an Assistant Professor of Innovation and Strategy at the MIT Sloan School of Management



THERESA VEER: “SOCIAL DEFENSES AND THE STRATEGIC (NON-)DISCLOSURE OF VENTURES”

Wednesday, June 13, 11:00-12:00 (SPso7)

Chair: JESPER LINDEGAARD CHRISTENSEN

We explore ventures' defense strategies against misappropriation by an international corporate venture capitalist (CVC). We use novel, proprietary data on more than 500 early stage ICT ventures in Europe and Latin America. Ventures with increased misappropriation risk more often rely on social defenses by engaging with third-party chaperones (independent VC investors). Further, these ventures use strategic disclosure: with social defense in place, they significantly share more information with the CVC's corporation than without.

Theresa Veer is an Assistant Professor for Strategy and Management at the Faculty of Economics and Social Sciences of the University of Tübingen



JOE RAFFIEE: “DISCONTINUITIES IN THE VALUE OF RELATIONAL CAPITAL”

Wednesday, June 13, 11:00-12:00 (SPso8)

Chair: KRISTINA VAARST ANDERSEN

This talk will explore the drivers of knowledge worker mobility to rivals and entrepreneurship. The talk will share findings from a study conducted in a unique context (lobbying) which allowed us to empirically isolate changes in relational capital as distinct from human capital and calculate precise measures of fit between workers and firms. The talk will also discuss how novel contexts may allow for exciting opportunities to empirically test theoretical mechanisms typically difficult to observe.

Joe Raffiee is an Assistant Professor of Strategy at the Marshall School of Business, University of Southern California

DRUID PROFESSIONAL DEVELOPMENT WORKSHOPS (PDWs)

PDW1: THE MOBILITY OF PEOPLE & IDEAS: IMPLICATIONS FOR THE DIRECTION OF INNOVATION

Monday, June 11, 09:00-12:00 (SPso3)

Organizers: JEFF FURMAN, HC KONGSTED, VALENTINA TARTARI, FLORENTA TEODORIDIS

Speakers: CHIARA FRANZONI, JEFF FURMAN, IAN GANGULI, CORNELIA LAWSON, VALENTINA TARTARI, FLORENTA TEODORIDIS, REINHILDE VEUGELERS, MARTIN WATZINGER

The location of scholars and innovators in physical and intellectual space has been of central interest to research on the economics and management of innovation since its origins. While much of this work begins with the notions that knowledge is locally sticky and that inertia persists within research fields, this research documents factors that induce researchers to relocate, to combine knowledge from across places and research domains, and documents the impact of such moves on downstream outcomes. Historically, scholarship examining the movement of researchers in physical and intellectual space has crossed research fields, incorporating ideas from sociology, economics, organization theory, and management. Because of improvements in data availability, including improved bibliometric and administrative data, and advances in research methods, including causal inference and experimental approaches, work on research mobility has experienced substantial advances. In this PDW, we will review recent advances, providing an overview of new data and methods, and identify promising paths for future work.

In this PDW we will bring together scholars who are leveraging these advances by analyzing factors influencing researchers' mobility in both physical and knowledge space and their implications for the trajectory of knowledge creation. We will present and discuss recent theoretical advances and cutting-edge empirical methods, followed by a panel discussion in which all participants and presenters will participate with the aim of synthesize the discussion, formulating questions to the panelists, and, most importantly, soliciting questions from and engaging in discussion with the PDW participants.

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

PDW2: EXPLORING POTENTIALS OF MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE FROM AN INDUSTRY & INNOVATION PERSPECTIVE

Monday, June 11, 09:00-12:00 (SPs05)

Organizers: **DANIEL S. HAIN AND ROMAN JUROWETZSKI**

Speakers: **DANIEL HAIN, ROMAN JUROWETZKI, SEBASTIANO CATTARUZZO**

Advanced machine learning (ML) and more recently artificial intelligence (AI) gained lots of attention in the past few years, in industry and academia alike. In this PDW participants will learn and discuss various approaches to using machine learning and AI methods in innovation studies and broader social science context. We here will review latest advances, showcase workflows and applications, and discuss promises and pitfalls for research in innovation and entrepreneurship.

Part 1: A gentle introduction with talks and discussions:

- Predictive modelling for innovation & entrepreneurship research: Theory & practice (Daniel Hain)
- Recent approaches to textual and unstructured data: Methods and application (Roman Jurowetzki)
- Predictive and causal modeling - an historical approach from Mill to Machine Learning (Sebastiano Cattaruzzo)

Part 2: Interactive workshops with hands-on application, demos and showcases:

- ML and predictive modelling workflows: Feature selection, cross-validation, feature engineering, model selection and evaluation (elastic nets, classification trees, random forest)
- Natural Language Analysis workflow: General introduction to applied NLP, data-generation based on word embedding and neural networks. Application of text-based classification to causal and predictive modelling.

PDW3: THE ORGANIZATION OF GLOBAL CONNECTIVITY

Monday, June 11, 09:00-12:00 (SPs07)

Organizers: **MARCUS MØLLER LARSEN and RAM MUDAMBI**

Speakers: **RAM MUDAMBI, PETER MASKELL, MARCUS MØLLER LARSEN, MARK LORENZEN**

We start by recognizing that the upward trajectory of the knowledge economy (declining cycle times, increasing quantity of patent production, introduction of new technologies, and many others) is strongly correlated with the increasing quantity and quality of global connectivity (internet backbones, population connected to the internet, airline passenger traffic, seaborne shipping tonnage, migration flows, MNE innovation networks, global migration flows, and so on). A major theme of the research program that we wish to promote is concerned with studying the links between these two trends. Some links may be causal, others may be associative, but understanding them is crucial to building a deeper understanding of the co-evolution of local and global social systems. The outline of our PDW will be to pose generic questions regarding first, what connectivity does and second, how connectivity arises, develops and is managed.

In this PDW, we bring to bear perspectives from international business, economic geography, and innovation studies. We hope that the resulting holistic approach will uncover the blind spots of individual disciplinary silos and shed light on the processes that underlie the rapidly changing global economy.

COFFEE CONVERSATIONS

Monday, June 11, 14:30-15:00 and 16:30-17:00

Tuesday, June 12, 10:30-11:00 and 14:30-15:00

Wednesday, June 13, 10:30-11:00 and 14:30-15:00

A Lot Can
Happen
Over
Coffee

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

Assembling so many good
people under one roof,
DRUID18 certainly offers
you the possibility for great,
challenging and innovative
Coffee Conversations



DRUID DEBATE ON 'STAR SCIENTISTS'

Tuesday, June 12, 13:00-14:30 (SPs01)

Moderator: KELD LAURSEN

MOTION: "THE FOCUS ON 'STAR SCIENTISTS' IN SCIENCE AND INNOVATION POLICY IS MISPLACED, AND DETRIMENTAL TO DEVELOPMENT OF EFFECTIVE POLICIES FOR ECONOMIC DEVELOPMENT"

SPEAKING FOR THE MOTION:



JASON OWEN-SMITH

Jason Owen-Smith is Professor of Sociology, Research Professor in the Institute for Social Research, and Executive Director of the Institute for Research on Innovation & Science (IRIS)

at the University of Michigan. Together with collaborators, Jason works on projects that examine the dynamics of high-technology industries, the public value of the research university, and the network organization of surgical care. Jason's work makes use of large-scale administrative data, ethnographic and other qualitative methods to study fundamental process of network change and their effects in policy relevant domains such as medicine, academic science, entrepreneurship and innovation.



ALDO GEUNA

Aldo Geuna is Full Professor at the Department of Economics and Statistics Cogneetti De Martiis, University of Torino, Fellow of the Collegio Carlo Alberto and Senior Research Fellow at Lupina / Innovation Policy Lab,

Munk School of Global Affairs, University of Toronto. He is member of the Board of Directors of the Fondazione Luigi Einaudi. He was Visiting Fellow at SIPER, Stanford University, Senior Lecturer at SPRU, University of Sussex, Senior Research Fellow at the Robert Schuman Centre for Advanced Studies, European University Institute and Research Fellow at BETA, Université Louis Pasteur (Strasbourg). He has published several books and articles in refereed journals in the area of economics of science, economics of innovation and science and technology policy. With more than 7500 Google scholar citations he is in the list of Top Italian Scientists. He is member of the Editorial Board of Italian Economic Journal, Journal of Technology Transfer and Research Policy. He has been a member of various scientific committees, expert groups and panels in Italy, Sweden, the UK as well as for the OECD, the National Academies (US) and the EU. He has been an invited speaker in various European countries, the US, Canada, China and Korea. He taught as invited visiting professor in Chile, France, Italy, Spain and Vietnam.

SPEAKING AGAINST THE MOTION:



**CATHERINE
BEAUDRY**

Catherine Beaudry, Rhodes Scholar, has a Ph.D. in economics from the University of Oxford. She is a professor at the Mathematics and Industrial Engineering Department

of Polytechnique Montréal where she also holds a Tier I Canada Research Chair (CRC) on the Creation, development and commercialisation of innovation (Innovation Chair). She is a member of the Centre for Interuniversity Research on Science and Technology (CIRST), fellow of the Centre for Interuniversity Research on the analysis of organizations (CIRANO), adjunct professor at UQAM and founding member of the Global Young Academy.

The studies undertaken by the Innovation Chair is centered around measuring the of impact of research and collaboration on the development and commercialisation of innovation, as well as on the interaction between local and international networks. This research aims to consider the entire innovation process, from the idea generation to commercialisation and to break down the silos in the innovation process. Her research examines partnerships, networks and collaboration between university researchers, firms and government organisations.



**ALEXANDER
OETTL**

Alexander Oettl is an Associate Professor of Strategy and Innovation at the Scheller College of Business at the Georgia Institute of Technology which he joined in 2009 after completing his PhD at the Rotman School of Management at the University of Toronto. His research interests include the economics of innovation, knowledge spillovers, labor mobility, and economic geography. His current work focuses on the production and diffusion of ideas at the individual, firm, and regional level. Alexander Oettl's research has been published in Management Science, Nature, Journal of Financial Economics, Review of Economics and Statistics, Proceedings of the National Academy of Sciences, Research Policy, Journal of Urban Economics, and the Journal of International Business Studies. Professor Oettl has received funding from the National Science Foundation, was a recipient of the 2014 Kauffman Junior Faculty Fellowship in Entrepreneurship Research and has had his research profiled in numerous media outlets such as the New York Times, Financial Times, Wall Street Journal, Harvard Business Review, Nature, Science, The Atlantic, Quartz, Wired, Business Insider, amongst others.

completing his PhD at the Rotman School of Management at the University of Toronto. His research interests include the economics of innovation, knowledge spillovers, labor mobility, and economic geography. His current work focuses on the production and diffusion of ideas at the individual, firm, and regional level. Alexander Oettl's research has been published in Management Science, Nature, Journal of Financial Economics, Review of Economics and Statistics, Proceedings of the National Academy of Sciences, Research Policy, Journal of Urban Economics, and the Journal of International Business Studies. Professor Oettl has received funding from the National Science Foundation, was a recipient of the 2014 Kauffman Junior Faculty Fellowship in Entrepreneurship Research and has had his research profiled in numerous media outlets such as the New York Times, Financial Times, Wall Street Journal, Harvard Business Review, Nature, Science, The Atlantic, Quartz, Wired, Business Insider, amongst others.

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

DRUID DEBATE ON COMMUNITY INNOVATION SURVEY DATA

Wednesday, June 13, 13:00-14:30 (SPs01)

Moderator: AMMON SALTER

MOTION: "THE USEFULNESS OF COMMUNITY INNOVATION SURVEY DATA FOR EMPIRICAL RESEARCH TO ADVANCE OUR KNOWLEDGE ON FIRM-LEVEL INNOVATION IS FACING STRONG DIMINISHING RETURNS AND IT IS TIME TO MOVE ON"

SPEAKING FOR THE MOTION:



BRUCE TETHER

Originally an economic geographer, Bruce Tether is Professor of Innovation Management and Strategy at Alliance Manchester Business School (AMBS) within the University of Manchester. He is also af-

filiated to the Manchester Institute of Innovation Research, one of the largest research centres focused on innovation in Europe. Prior to this he was for four years Professor of Design and Innovation at Imperial College Business School, where he led the design-innovation research team and directed research at Design London - a joint venture between Imperial College and the Royal College of Art (RCA). Bruce's research interests concern managing innovation, particularly in services and especially in professional service firms, as well as through creativity and design. He also researches the competitiveness and growth of project-based service firms such as engineering consultancies and architecture practices. He has taught innovation management on the MBA and Masters programs at both Manchester and Imperial.



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. 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 currently serves on the ERC Scientific Council. She is a member of VARIO, the expert group advising the Flemish minister for Innovation.

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.

Website: <http://feb.kuleuven.be/reinhilde.veugelers> and www.bruegel.org

SPEAKING AGAINST THE MOTION:



ASHISH ARORA

Ashish Arora is the Rex D. Adams Profess of Business Administration at the Fuqua School of Business at Duke University. His research focuses on the economics of technology and technical change. Arora's research

has included the study of technology intensive industries such as software, biotechnology and chemicals, the economics of information security, and the role of patents and licensing in promoting technology startups. He has studied the rise of the software industry and the pharmaceutical industry in emerging economies. His current research focuses on the management of intellectual property and licensing in corporations, and innovation based entrepreneurship. He served as co-editor, *Research Policy*, 2008-2014, and is currently Department Editor for Management Science (Innovation and Entrepreneurship) and is on the editorial board of *Strategic Management Journal*. In the past, he has served on advisory panels to the Secretary of Commerce, the National Academy of Sciences, and The Association for Computing Machinery. Arora has taught a variety of courses, including Economics of Information Security and Risk Management. He currently teaches Entrepreneurial Strategy for Innovation Based Ventures, and Emerging Markets Strategy. He has consulted to the Chemical Manufacturing Association, National Science Foundation, Chemical Heritage Foundation, Intellectual Ventures, UK Intellectual Property Office, the Brattle Group, Intel Capital and Tata Consultancy Services, and to startups including SCA Technologies, Upswing, Mindseed Education, and Neuron Connect.



AIJA LEIPONEN

Aija Leiponen is an associate professor of innovation strategy in the Dyson School of Applied Economics and Management at Cornell University. Her research area is the organization of innovation, particularly

cooperative strategies in innovation. Her analyses of broad-based survey data highlight complementarities between firms' knowledge assets, between firms' research projects and objectives, and between R&D locations, as well as challenges faced by small firms in utilizing intellectual property rights and in financing innovation. Another stream of research explores technology standardization strategies in wireless telecommunications. Here, cooperative activities are also central, but the research focuses on the role and implications of industry consortia, patent litigation, and firms' strategies and performance in standard-setting committees. Currently she is working to understand the economics of (big) data and its implications for the emergence of the Internet of Things. She is also the current chair of the Technology and Innovation Management division within the Academy of Management.

PARALLEL PAPER SESSIONS 1

1 SCIENCE-BASED INDUSTRIES: INNOVATORS AND ENTREPRENEURS

Monday, June 11, 15:00-16:30, Room: SPs03, Chair: Giorgio Triulzi 6

HANNA HOTTENROTT, ROMAN FUDICKAR: "The role of public research in the innovation performance of new technology based firms"

RASMUS BODE, GUIDO BUENSTORF: "Is entrepreneurial behavior rewarded in academia? evidence from post-reunification germany"

SUSANNE BECK, KARIN BEUKEL, MARION POETZ: "Attraction at first sight? exploring and categorizing determinants that make scientific knowledge attractive to innovators"

Discussants: JAY LEE, DAGMAR HOLM

2 SCIENCE-BASED INDUSTRIES: INDUSTRIAL DYNAMICS

Monday, June 11, 15:00-16:30, Room: SPs05, Chair: Susanne Koster 11

TAPAS KUNDU, SEONGWUK MOON: "Integration and competition for innovation in science-based industries"

MARCELA MIOZZO, LORI DIVITO: "Productive opportunities, uncertainty, and science-based firm emergence"

PAUL ANCKAERT: "The (in)direct relationship between science & product commercialization in the pharmaceutical industry"

Discussants: PIET HAUSBERG, MAJLINDA ZHEGU

3 ENTREPRENEURSHIP: CAREERS

Monday, June 11, 15:00-16:30, Room: SPs07, Chair: Monia Lougui 15

OLAV SORENSON, MICHAEL S. DAHL, RODRIGO CANALES, M. DIANE BURTON: "The startup employee earnings gap: the long-term income consequences of joining small and young firms"

ADRIAN MERIDA GUTIERREZ, VERA ROCHA: "Entrepreneurship, experimentation, and career dynamics."

PAWEL ADRIAN: "Risky business? earnings prospects of employees at young firms"

Discussants: SNÖFRID B. HEROU, MEHMET KIZILTUNC

4 ENTREPRENEURSHIP: SOCIAL CAPITAL AND LEGITIMACY IN OBTAINING FINANCE

Monday, June 11, 15:00-16:30, Room: SPs08, Chair: Carter Bloch 18

GIANCARLO LAUTO, ELISA SALVADOR, FRANCESCA VISINTIN: "Is there a gender gap in research spin-offs financing? the signalling effect of the entrepreneurial team composition"

MAREK GIEBEL, KORNELIUS KRAFT: "Bank credit supply and firm innovation"

PAIGE CLAYTON, MARYANN FELDMAN, JOHN SCOTT: "The relationship between entrepreneurs' social capital and access to support organizations"

Discussants: JUAN FERNÁNDEZ, MONA REBER

5 ENTREPRENEURSHIP: START-UP STRATEGY AND PERFORMANCE

Monday, June 11, 15:00-16:30, Room: SPs12, Chair: Paul Woodfield 24

JOACHIM HENKEL, THOMAS ROENDE: "High risk or low cost – dichotomous choices of r&d strategy by startups in markets for technology"

BAHOO TORODI: "Knowledge spillover through entrepreneurial spawning: how incumbent parents' knowledge capabilities predict different spinoffs entry?"

SIMONA LEONELLI, FRANCESCA MASCIARELLI: "Born to be successful: the determinants of start-ups' innovation."

Discussants: **ALLAN DISCUA CRUZ, SUMA ATHREYE**

6 INDUSTRIAL DYNAMICS: PERSISTENCE AND AGING

Monday, June 11, 15:00-16:30, Room: SPs14, Chair: RACHEL Howell 34

SUSANNA MANSIKKAMÄKI: "Effects of organizational aging - observations, mechanisms, and suggestions for future research directions "

RAMANA NANDA, SAMPSA SAMILA, OLAV SORENSON: "The persistent effect of initial success: evidence from venture capital"

DAVIDE ANTONIOLI, SANDRO MONTRESOR: "Persistence of innovation in times of crisis: an analysis of italian firms"

Discussants: **KARIN HOISL, TUNDE CSERPES**

7 INNOVATION STRATEGY: IDEAS, PROBLEMS AND SEARCH

Monday, June 11, 15:00-16:30, Room: SP103, Chair: Claudio Fassio 40

MARTA MORAIS-STORZ, ALF STEINAR SAETRE: "A behavioral measure of strategic problem formulation: scale development and validation"

VAUGHN TAN: "Using open-ended goals to enable broad search and effective coordination in innovation teams"

TIM SCHWEISFURTH, JOHANN FÜLLER: "Does idea creator's attractiveness affect idea evaluations?"

Discussants: **ANDERS BROSTRÖM, MARKUS SIMETH**

8 GLOBAL CONNECTIVITY: EXPERIENCE AND INTERMEDIARIES

Monday, June 11, 15:00-16:30, Room: SP112, Chair: Cristian Granados 44

CORNELIA LAWSON, AMMON SALTER, ALAN HUGHES, MICHAEL KITSON: "Citizens of somewhere: the geography of foreign and native-born academics' external engagement"

KRISTINA ANDERSEN: "When is foreign professional experiences good for you? the moderating effect of project type on the relationship between professional experience abroad and high performing creative innovations"

STANISLAV VAVILOV, STEPHAN MANNING: "How international social ventures overcome liability of outsidership: the role of intermediary organizations."

Discussants: **ALI SAMEI, TED TSCHANG**

9 ORGANIZATIONAL BEHAVIOR: TEAMS, JOBS AND MANAGEMENT

Monday, June 11, 15:00-16:30, Room: SP113, Chair: Nadia Weidner 47

PAOLA CRISCUOLO, MARTINE HAAS, AMMON SALTER, ANNE TER WAL: "Managing innovation in a multi-divisional firm: when does mobility across divisions improve r&d managers' performance?"

MERCEDES TERUEL, AGUSTÍ SEGARRA-BLASCO: "Gender diversity, r&d teams and patents: an application to spanish firms"

JACOB HOLM, EDWARD LORENZ, PETER NIELSEN: "Work organization and job polarization"

Discussants: **JOHN EKLUND, YASSINE LAMRANI ABOU ELASSAD**

10 INNOVATION NETWORKS: ALLIANCES, MERGERS AND ACQUISITIONS

Monday, June 11, 15:00-16:30, Room: SP114, Chair: Francesca Di Pietro 54

MARTA FERNANDEZ DE ARROYABE ARRANZ, KATRIN HUSSINGER: "Knowledge diffusion through m&as"

PHILIPP SCHULZ, MATTHIAS GEISSLER: "Stage specific external collaboration for new product development. does firm size matter for partner selection and performance?"

SAADAT ELIF ESPOSITO: "Selective revealing: a continuous and dynamic process"

Discussants: **MATTHIJS JANSSEN, OSCAR LLOPIS**

11 GEOGRAPHIES OF INNOVATION: UNIVERSITIES IN LOCAL INNOVATION SYSTEMS

Monday, June 11, 15:00-16:30, Room: SP207, Chair: Nele Lueker 60

VALENTINA TARTARI, SCOTT STERN: "The role of universities in local entrepreneurial ecosystems"

CHRISTIAN OESTERGAARD, INA DREJER: "Persistence in university-industry collaboration on innovation"

DAVID FERNÁNDEZ GUERRERO: "Cooperating with different types of non-academic organisations: implications for industry-university collaboration in rural and metropolitan regions"

Discussants: **CHING LIAO, EVA PANETTI**

12 CROWDS: CROWDSOURCING AND USERS

Monday, June 11, 15:00-16:30, Room: SP208, Chair: Rögnvaldur Saemundsson 66

HELLE SØNDERGAARD, JOHN THØGERSEN: "Which values motivate consumers to innovate? "

RITA FAULLANT, EDLIRA SHEHU, GUIDO DOLFUS: "Sabotage in idea competitions of crowdsourcing communities – forms, extent, and impact of destructive behavior "

JINGSHU DU: "Harnessing the wisdom of the crowd in the evaluation of innovative ideas"

Discussants: **ARJAN MARKUS, KRITHIKA RANDHAWA**

PARALLEL PAPER SESSIONS 2

13 POLICY: INNOVATION SUBSIDIES AND GRANTS

Monday, June 11, 17:00-18:30, Room: SPs03, Chair: Johan Klaesson 4

ANNALISA CALOFFI, MARCO MARIANI, FEDERICA ROSSI, MARGHERITA RUSSO: "Better together? a comparative evaluation of firm subsidies to individual and collaborative r&d projects"

STJEPAN SRHOJ, BRUNO KRINJARI, SONJA RADAS: "Bidding against the odds? the impact evaluation of grants for young firms during the recession"

ENRICO VANINO, STEPHEN ROPER, BETTINA BECKER: "Knowledge to money: assessing the business performance effects of publicly funded research and innovation grants"

Discussants: **CARLOS SERRANO, YIN LI**

14 SCIENCE-BASED INDUSTRIES: THE COMMERCIAL VALUE OF RESEARCH

Monday, June 11, 17:00-18:30, Room: SPs05, Chair: Stephane Lhuillery 10

SUSANNE BECK, MARAL MAHDAD, KARIN BEUKEL, MARION POETZ: "Value capture in science – the exchange value paradox"

CLAUDIA WERKER, CHRISTIAN HOPP: "Ambidexterity in academia: the balancing act between research and commerce"

IDA HERMANSSON, MAUREEN MCKELVEY, OLOF ZARING: "Bringing together engineering and equestrian sports: exploring how a university initiates academic engagement with society"

Discussants: **CHRISTOPH GRIMPE, MARIA GRADILLAS**

15 ENTREPRENEURSHIP: EXPERIENCE

Monday, June 11, 17:00-18:30, Room: SPs07, Chair: Juan Candiani 16

MARIA HALBINGER: "Timing entrepreneurial decision-making: what difference does experience make?"

EMMA LAPPI: "New employees' self-employment experience as a source of productivity gains"

NOMINATED FOR THE 2016 STEVEN KLEPPER AWARD FOR BEST YOUNG SCHOLAR PAPER

SNÖFRID B. HEROU: "The influence of the entrepreneur's prior industry experience on the venture's survival: a comparative analysis on the role of relatedness in two parts of the west swedish textile industry"

Discussants: **PEDRO DE FARIA, VICTOR MARTIN-SANCHEZ**

16 ENTREPRENEURSHIP: FINANCE, ACCELERATORS AND REGIONS

Monday, June 11, 17:00-18:30, Room: SPs08, Chair: Hanh La 23

GARY DUSHNITSKY, SAYAN SARKAR: "Mapping investment decision frictions in the market for entrepreneurial finance"

HAMZEH OBEID, VARESKA VAN DE VRANDE: "The strategic and financial determinants of mutual dependence: the case of CORPORATE VENTURE CAPITAL"

JESPER CHRISTENSEN, DANIEL HAIN: "Peripheries in peripheries – within-region differences in financial constraints"

Discussants: **CHRISTOPH IHL, ANDREA MINA**

17 MARKETS FOR TECHNOLOGY: PATENT TRANSFER AND LITIGATION

Monday, June 11, 17:00-18:30, Room: SPs12, Chair: Jyun-Ying Fu 28

SEOKBEOM KWON: "Impact of patent ownership transfer on patent holdup risk and innovation of firms"

CHRISTIAN STERNITZKE, SASCHA WALTER: "Opening the black box of patent scope: insights on patent litigation in the chemical industry"

GIANLUCA ORSATTI, VALERIO STERZI: "Patent assertion entities and innovation: an empirical analysis using epo patent transfer data"

Discussants: **PHILIP STEINBERG, SAMPSA SAMILA**

18 INDUSTRIAL DYNAMICS: GROWTH AND PRODUCTIVITY

Monday, June 11, 17:00-18:30, Room: SPs14, Chair: Nola Hewitt-Dundas 33

LIVIO ROMANO: "Explaining growth differences across firms: the interplay between innovation and management practices"

HANNU PIEKKOLA, JAANA RAHKO: "Schumpeterian growth using a broad set of intangibles to enhance innovations"

JEROEN VAN DEN BOSCH, BRUNO CASSIMAN, JOEP KONINGS: "The impact from innovation on productivity: profitability and technical efficiency"

Discussants: **CORNELIA LAWSON, PAIGE CLAYTON**

19 INNOVATION STRATEGY: R&D INVESTMENT AND NON-INVESTMENT

Monday, June 11, 17:00-18:30, Room: SP103, Chair: Diego Zunino 39

ANDRIN SPESCHA, MARTIN WOERTER: "Research and development as an initiator of fixed capital investment"

CHING LIAO: "Laggards imitate, leaders innovate: the heterogeneous productivity effect of imitation versus innovation"

JUHA-ANTTI LAMBERG, MIRVA PELTONIEMI: "The nanoeconomic logic of entry and exit: evidence from 174 years of paper and pulp making"

Discussants: **ANJA RÖSNER, SUSANNA MANSIKKAMÄKI**

20 LABOR MARKETS: KNOWLEDGE AND PROJECT WORKERS

Monday, June 11, 17:00-18:30, Room: SP112, Chair: Beverly Tyler 46

JOHN EKLUND: "The knowledge-incentive trade-off: understanding the relationship between organizational design and innovation"

TOMMASO CIARLI, ALBERTO MARZUCCHI, EDGAR SALGADO-CHAVEZ, MARIA SAVONA: "The effect of r&d growth on employment and self-employment in local labour markets"

JÖRG CLAUSSEN, POOYAN KHASHABI, TOBIAS KRETSCHMER, MAREIKE SEIFRIED: "Knowledge work in the sharing economy: what drives project success in online labor markets?"

Discussants: **DIMITRI GRAF, THOMAS ROENDE**

21 INNOVATION NETWORKS: TRUST AND RELATIONAL PRACTICES

Monday, June 11, 17:00-18:30, Room: SP113, Chair: Jane Bourke 52

ANNA MORETTI, FRANCESCO ZIRPOLI: "Directionality in collaborative innovation: governing inter-firm relationships in the supply-chain"

BENOIT TEZENAS DU MONTCEL, TIM MINSHALL, CHARLES FEATHERSTON: "A comparison of relational practices in additive manufacturing multipartner alliances in france and the uk"

ERICA OLIVEIRA, WALTER BATAGLIA: "How trust affects alliance performance through relational capability"

Discussants: **MERCEDES DELGADO, PETTER GULLMARK**

22 GEOGRAPHIES OF INNOVATION: CLUSTER EMERGENCE AND DEVELOPMENT

Monday, June 11, 17:00-18:30, Room: SP114, Chair: Giancarlo Lauto 58

IVAN-DAMIR ANIC, NICOLETTA CORROCHER, ANDREA MORRISON, ZORAN ARALICA: "The development of clusters of competitiveness in croatia: a survey-based analysis"

CARLA COSTA: "The emergence of a cluster"

Discussants: **STEFANIA SARDO, VIKTORIA BOSS**

23 CROWDS: NEW TYPES OF SEEKERS AND CROWDS

Monday, June 11, 17:00-18:30, Room: SP207, Chair: Tobias Buchmann 64

DANIEL BLASEG, CHRISTIAN SCHULZE, BERND SKIERA: "Consumer protection under laissez-faire regulation"

KRITHIKA RANDHAWA, RALF WILDEN, JOEL WEST: "Open social innovation: why and how seekers use crowdsourcing for societal benefits"

METTE KNUDSEN, MATS MAGNUSSON, MARIANNE FREDERIKSEN, JENNIE BJÖRK: "Unleashing the power of internal crowds"

Discussants: **LARISSA RABBIOSI, SOFIA ANGELIDOU**

PARALLEL PAPER SESSIONS 3

24 SCIENTIFIC PRACTICE: NOVELTY AND BIAS

Tuesday, June 12, 09:00-10:30, Room: SP212, Chair: Adrian Merida Gutierrez

ROSSELLA SALANDRA, PAOLA CRISCUOLO: "Impact of bias (detection) on follow-on research: evidence from the medical literature"

HANNES LAMPE, JAN REERINK: "The double-edged sword of novelty: periods of change in entrepreneurship science"

NICOLAS CARAYOL, OSCAR LLOPIS, AGENOR LAHATTE: "The right job and the job right: novelty, impact and journal stratification in science"

Discussants: CINDY LOPES BENTO, MICHAEL S. DAHL

25 SCIENTIFIC PRACTICE: THE EFFECTS OF RESEARCH FUNDING

Tuesday, June 12, 09:00-10:30, Room: SPs03, Chair: Roman Jurowetzki 3

SEBASTIAN HOENEN, CHRISTOS KOLYMPIRIS: "The value of insiders: evidence from the effects of nsf rotators on early career scientists"

GUIDO BUENSTORF, JOHANNES KOENIG: "How far is the reach of excellence in science policy? substitution and spillover effects in german research funding"

NOMINATED FOR THE 2018 DRUID BEST PAPER AWARD

MARC LERCHENMUELLER: "Does more money lead to more innovation? evidence from the life sciences. "

Discussants: STEFANO BARUFFALDI, HAAKON LIE

26 PATENT-BASED COMPETITION AND INDUSTRIAL DYNAMICS

Tuesday, June 12, 09:00-10:30, Room: SPs05, Chair: Maria Halbinger 9

KEONGTAE KIM, JAY LEE: "Soft but strong: software-based innovation, product market competition, and value creation in the it hardware industry"

MIN-NAN CHEN, YUAN-CHIEH CHANG, YUAN-PO LIN: "System failures co-evolution: an empirical evidence from taiwan's electric vehicle sector "

CHIH-YI SU, JIANWU JIANG, BOU-WEN LIN: "Competitive initiatives and vulnerability: the moderating roles of resource portfolios, open innovation, and network position"

Discussants: ANNIKA LORENZ, LISA MESSINA

27 ENTREPRENEURSHIP: FOUNDERS, IMPRINTS AND ASPIRATIONS

Tuesday, June 12, 09:00-10:30, Room: SPs07, Chair: Bahoo Torodi 17

MARKUS GRILLITSCH, TORBEN SCHUBERT: "The growth effects of founder imprinting in start-up firms: a perspective from learning theory"

VICTOR MARTIN-SANCHEZ, SEBASTIAN APARICIO, DAVID URBANO: "Entrepreneurial growth aspirations and the role of institutions: a multilevel approach"

VIRGILIO FAILLA, VERA ROCHA: "Parenthood and entrepreneurship dynamics"

Discussants: PAOLA CRISCUOLO, ANDRIN SPESCHA

28 ENTREPRENEURSHIP: VENTURE CAPITAL

Tuesday, June 12, 09:00-10:30, Room: SPs08, Chair: Kristina Abbotts 22

NOMINATED FOR THE 2016 STEVEN KLEPPER AWARD FOR BEST YOUNG SCHOLAR PAPER

SUSANNE KOSTER: "Achieving strategic and financial returns: the challenge of corporate venture capital investors"

VINCENZO BUTTICE, PAOLA ROVELLI: "Organization and finance of entrepreneurial ventures: looking beyond the surface"

DIEGO USECHE, SOPHIE POMMET: "Conveying quality or competitive advantage? evidence for heterogeneous vc investors in newly-listed technology-based firms "

Discussants: **JESPER CHRISTENSEN, MAARTEN RABIJNS**

29 MARKETS FOR TECHNOLOGY: ALTERNATIVE IP STRATEGIES

Tuesday, June 12, 09:00-10:30, Room: SPs12, Chair: Jeroen Mahieu 29

GAÉTAN DE RASSENFOSSE: "Notice failure revisited: evidence on the use of virtual patent marking"

KEVIN BOUDREAU, LARS BO JEPPESEN, MILAN MIRIC: "Digital "mash-ups," patents, and copyright"

SUMA ATHREYE, VANIA SENA, FOLA MALOMO: "Having a second string to the bow: patenting and informal protection strategies in the face of technological competition"

Discussants: **CORNELIA STORZ, CHRISTIAN STERNITZKE**

30 INDUSTRIAL DYNAMICS: PLATFORM ECOSYSTEMS

Tuesday, June 12, 09:00-10:30, Room: SPs14, Chair: Lori Divito 32

NELE LUEKER, JENS FOERDERER, ARMIN HEINZL: "Superstar complementors: does high status discourage innovation in platform ecosystems?"

SENEM AYDIN, FERNANDO SUAREZ, YAKOV BART, DIRK LIBAERS: "Smart timing for smart products? complementor multihoming in nascent platform markets"

LAURENS VANDEWEGHE, DMITRY SHARAPOV, LLEWELLYN THOMAS, ERKKO AUTIO: "Engaging complementors for new platform ecosystems: the case of a boundary organization"

Discussants: **SANDRO MONTRESOR, MIRVA PELTONIEMI**

31 INNOVATION STRATEGY: EXPERIMENTAL APPROACHES TO SELECTION AND SEARCH

Tuesday, June 12, 09:00-10:30, Room: SP103, Chair: Mario Mendoza 38

JOÃO DUARTE, THORSTEN WAHLE: "The curse of knowledge - when ignorance is bliss"

THORSTEN WAHLE, JOÃO DUARTE: "The burden of choice: the liability of peer performance information in situations of abundant choice"

VIKTORIA BOSS, LINUS DAHLANDER, CHRISTOPH IHL, RAJSHRI JAYARAMAN: "The effect of choosing teams and ideas on entrepreneurial performance: evidence from a field experiment"

Discussants: **JACOB HOLM, TOKE REICHSTEIN**

32 LABOR MARKETS: TURNOVER AND JOB SEARCH

Tuesday, June 12, 09:00-10:30, Room: SP112, Chair: Marta Morais-Storz 45

AGNIESZKA NOWINSKA, KRISTINA ANDERSEN, MARK LORENZEN: "The broad vs. the pointed brush: status change, stigma and blame following fast organizational failure"

YASSINE LAMRANI ABOU ELASSAD, GHAAHAR ZAVOSH: "Insights into the turnover effect puzzle: why the firm context matters."

POOYAN KHASHABI, MATTHIAS HEINZ, NICK ZUBANOV, TOBIAS KRETSCHMER, GUIDO FRIEBEL: "Heterogeneous effects of performance pay with market competition: evidence from a randomized field experiment"

Discussants: **DANIEL HAIN, SEBASTIANO CATTARUZZO**

33 INNOVATION NETWORKS: NETWORK FORMATION

Tuesday, June 12, 09:00-10:30, Room: SP113, Chair: Seongwuk Moon 51

EVA PANETTI, ADELE PARMENTOLA, ELISABETH REYNOLDS, MARCO FERRETTI: "Analyzing the relational dimension of local innovation systems. an explorative analysis of a successful case study"

JYUN-YING FU: "Corporate political connections and innovation: an attention-based view perspective"

OWAIS GOLRA, ALESSANDRO ROSIELLO, RICHARD HARRISON: "Formation and dynamics of product and process innovation networks: evidence from a textile cluster in pakistan"

Discussants: **LARS FREDERIKSEN, BENOIT TEZENAS DU MONTCEL**

34 GEOGRAPHIES OF INNOVATION: MNES' INNOVATION CAPABILITIES

Tuesday, June 12, 09:00-10:30, Room: SP114, Chair: Jingshu Du 57

PHILIP STEINBERG, VIVIEN PROCHER, DIEMO URBIG, CHRISTINE VOLKMANN: "Multinational companies' knowledge strategies in r&d internationalization: a comparison of emerging versus advanced economy multinationals"

WOLFGANG SOFKA, CHRISTOPH GRIMPE, FUAD HASANOV, REDA CHERIF: "Host-country technology policy, r&d investment decisions, and mnc subsidiary innovation performance"

HENRY LOPEZ VEGA: "Open innovation in emerging markets: a longitudinal study of the antecedents, micro-foundations, and outcomes of dynamic capabilities"

Discussants: **BRIAN SILVERMAN, RAM MUDAMBI**

35 CROWDS: BOOTLEGGING AND INTERNAL CROWDS

Tuesday, June 12, 09:00-10:30, Room: SP207, Chair: Maya Bogers 63

LEE DAVIS, TIM SCHWEISFURTH: "Managing leisure time invention"

NOMINATED FOR THE 2016 STEVEN KLEPPER AWARD FOR BEST YOUNG SCHOLAR PAPER

MONA REBER: "Free to be innovative? limits to the benefits of autonomy in r&d"

ANIK STEPHAN: "Corporate crowdactivities and participative management: how to support bootleggers and out-of-the-box thinkers to foster innovations."

Discussants: **ALESSANDRA SCANDURA, MARION POETZ**

PARALLEL PAPER SESSIONS 4

36 UNIVERSITY-INDUSTRY INTERACTION: ORGANIZATIONAL-LEVEL FACTORS

Tuesday, June 12, 15:00-16:30, Room: SPs03, Chair: Laurie Ciaramella 5

UGO RIZZO, FRANCESCO RENTOCCHINI, LAURA RAMACIOTTI: "Institutional complexity and organisational-level determinants of academic spin-offs' growth"

DIEGO DE MORAES SILVA, LUIS LUCAS, NICHOLAS VONORTAS: "Internal barriers to innovation and university-industry cooperation among technology-based smes in brazil"

ALESSANDRA SCANDURA, SIMONA IAMMARINO: "Organisational-level determinants of academic engagement with industry"

Discussants: **POLINA KNUTSSON, LIVIO ROMANO**

37 CONTESTED INNOVATION AND LEGITIMACY

Tuesday, June 12, 15:00-16:30, Room: SPs05, Chair: Lee Davis 8

MARIO MENDOZA, MAURICIO RODRIGUEZ, STEPHANE LHUILLERY: "A battle of drones: utilizing legitimacy strategies for the transfer and diffusion of dual-use technologies"

STEPHEN ROPER, JANE BOURKE: "Innovating into trouble: when innovation leads to customer resistance"

Discussants: **BART LETEN, JOE PLOOG**

38 ENTREPRENEURSHIP: WAGE RETURNS

Tuesday, June 12, 15:00-16:30, Room: SPs07, Chair: Louise Lindbjerg 14

ANDERS BROSTRÖM, MONIA LOUGUI: "The labor market value of experience from temporary self-employment"

JEROEN MAHIEU, FRANCESCA MELILLO, TOKE REICHSTEIN: "Shooting stars? prior wage & returns to entrepreneurship"

JOHAN KLAESSON, EMMA LAPPI, JOHAN EKLUND: "Returns to self-employment in later regular employment"

Discussants: **DANIEL BLASEG, CLAUDIA WERKER**

39 BIG DATA, OPEN DATA AND THE DIGITAL TRANSFORMATION

Tuesday, June 12, 15:00-16:30, Room: SPs08, Chair: Vincenzo Buttice 19

FRANZ HUBER, FRANCESCO RENTOCCHINI, THOMAS WAINWRIGHT: "Open data for open innovation: managing skills and capabilities in smes"

DANIEL HAIN, ROMAN JUROWETZKI: "The potentials of machine learning and big data in entrepreneurship research - the liaison of econometrics and data science"

PIET HAUSBERG, KIRSTEN LIERE-NETHELER, SVEN PACKMOHR, STEFANIE PAKURA, KRISTIN VOGELSANG: "Digital transformation in business research: a systematic literature review and analysis"

Discussants: **JÖRG CLAUSSEN, PAWEL ADRJAN**

40 MARKETS FOR TECHNOLOGY: EFFECTS AND MECHANISMS OF PATENTING

Tuesday, June 12, 15:00-16:30, Room: SPs12, Chair: Neil Thompson 27

ALI MOHAMMADI, MEHDI BEYHAGHI, POOYAN KHASHABI: "Technology disclosure and capital market uncertainty: the role of patents"

MARK THOMPSON, MICHAEL PENEDER, MARTIN WOERTER: "The (anti-) competitive effect of iprs"

FABIAN GAESSLER, STEFAN WAGNER: "Patents, data exclusivity, and the development of new drugs"

Discussants: **SENEM AYDIN, METTE KNUDSEN**

41 MARKETS FOR TECHNOLOGY: COLLABORATIVE IP STRATEGIES

Tuesday, June 12, 15:00-16:30, Room: SPs14, Chair: Walter Bataglia 30

TRISTAN BOTELHO: "Competitive knowledge sharing as a response to buy-in uncertainty"

CLAUDIO FASSIO, SUMA ATHREYE: "Why do innovators not apply for trademarks? the role of information asymmetries and collaborative innovation"

HYUN JU JUNG: "Do knowledge flows trigger interfirm cooperation? evidence from the enterprise software industry"

Discussants: **DIEGO USECHE, RITA FAULLANT**

42 INNOVATION STRATEGY: KNOWLEDGE RECOMBINATION AND OPEN INNOVATION

Tuesday, June 12, 15:00-16:30, Room: SP103, Chair: Maral Mahdad 37

HOLMER KOK, DRIES FAEMS, PEDRO DE FARIA: "Does going-together always lead to better solutions? exploring challenge-based r&d projects"

NICOLAI FOSS, FRANCESCO RULLANI, LUCA MONGELLI: "How knowledge recombination help firm cope with radical technological change: combining knowledge domains in the photography industry"

CINDY LOPES-BENTO, MARKUS SIMETH: "Can you know too much to learn - the relationship between internal research capabilities and external knowledge for innovation"

Discussants: **GAÉTAN DE RASSENFOSSE, ANIKA STEPHAN**

43 GEOGRAPHIES OF INNOVATION: ENTREPRENEURIAL ECOSYSTEMS AND REGIONAL DEVELOPMENT

Tuesday, June 12, 15:00-16:30, Room: SP112, Chair: Marianne Frederiksen 43

FRANK VAN RIJNSOEVER: "1 weak network problems, startup performance and spillovers: the role of incubators in entrepreneurial ecosystems"

ROMAN MARTIN, HANNA MARTIN, ELENA ZUKAUSKAITE: "The various roles of demand in regional development - a conceptual analysis"

AMBARIN KHAN, SILVIA MASSINI, ANDREA MINA: "The role of intermediaries in entrepreneurial ecosystems for emerging technologies: the case of organic and printed electronics"

Discussants: **EMMA LAPPI, FRANCESCO ZIRPOLI**

44 INNOVATION NETWORKS: NETWORK STRUCTURE

Tuesday, June 12, 15:00-16:30, Room: SP113, Chair: Marek Giebel 50

DIETMAR HARHOFF, KARIN HOISL, CHRISTIAN STEINLE: "Network structure and inventive performance"

OSCAR LLOPIS, PABLO D'ESTE, ADRIAN ARIAS DÍAZ-FAES: "Connections matter: the influence of network sparseness, network diversity and a tertius iungens orientation on innovation"

NICHOLAS ARGYRES, LUIS RIOS, BRIAN SILVERMAN: "R&d organization structure, intrafirm inventor networks, and innovation"

Discussants: **ALESSANDRO ROSIELLO, MILAD ABBASIHAROFTEH**

45 GEOGRAPHIES OF INNOVATION: EXPORTS AND MULTINATIONALITY

Tuesday, June 12, 15:00-16:30, Room: SP114, Chair: Maureen Mckelvey 56

CLAUDIO FASSIO: "Export innovation the role of new imported inputs and multinationality"

HALIMA JIBRIL, ANNINA KALTENBRUNNER, EFFIE KESIDOU: "Financialisation and innovation in emerging economies: evidence from brazil"

CAROLINA CASTALDI, ELISA GIULIANI, ARIANNA MARTINELLI: "Emerging market multinational enterprises taking over united states trademarks: predating or leveraging?"

Discussants: **GIANLUCA ORSATTI, FRANCESCO DI LORENZO**

46 POLICY: POLICY LEARNING, PUBLIC CAPABILITIES AND INSTITUTIONS

Tuesday, June 12, 15:00-16:30, Room: SP207, Chair: Karin Beukel 62

PETTER GULLMARK: "Do all roads lead to innovation capability? a study of dynamic capabilities in the public sector"

MUEID AL RAEI, JO RITZEN, DENIS DE CROMBRUGGHE: "Policies, innovation and transition in the arab countries of the gulf"

ED SAIEDI, ALI MOHAMMADI, ANDERS BROSTRÖM: "Distrust in financial institutions and fintech adoption: the case of p2p loans"

Discussants: **JOE RAFFIEE, SHUKHRAT NASIROV**

47 CROWDS: CROWDFUNDING

Tuesday, June 12, 15:00-16:30, Room: SP208, Chair: Min-Nan Chen 65

FRANCESCA TENCA: "Entrepreneurial passion and the acquisition of financial resources in crowdfunding"

FRANCESCA MASCIARELLI, FRANCESCA DI PIETRO, ANDREA PRENCIPE: "Believe or not believe? the effect of local religion on individuals' participation on cross-regional reward-based crowdfunding projects"

NOMINATED FOR THE 2018 DRUID BEST PAPER AWARD

JAN NIKLAS WICK, CHRISTOPH IHL: "Herding in equity crowdfunding markets - heterogeneity between experts and amateurs"

Discussants: **JOHANNES KOENIG, VALENTINA TARTARI**

PARALLEL PAPER SESSIONS 5

48 DESIGN AND DESIGN STRATEGIES

Wednesday, June 13, 09:00-10:30, Room: SPs05, Chair: Helle Søndergaard 7

CLAUDIA GHISSETTI, SANDRO MONTRESOR: "Un-packing" eco-design: new evidence on eco-innovation and design from the eurobarometer survey"

CARITA EKLUND, CARTER BLOCH, THOMAS KJELDAGER RYAN: "Design strategies for innovation – an analysis of the multifaceted concept of design"

Discussants: **BRUNO KRINJARI, HALIMA JIBRIL**

49 NEW CONCEPTUALIZATIONS OF INDUSTRIES

Wednesday, June 13, 09:00-10:30, Room: SPs07, Chair: Elena Zukauskaitė 13

CRISTIAN GRANADOS: "Creative industries and its innovation process: the case of mobile games."

MERCEDES DELGADO, KAREN MILLS: "A new categorization of the u.s. economy: the role of supply chain industries in innovation and economic performance"

KATIA PINA, BRUCE TETHER: "Understanding kibs through their differentiated knowledge bases: applying and extending a conceptual framework"

Discussants: **HENRY LOPEZ VEGA, JAN HOHBERGER**

50 ENTREPRENEURSHIP: HUMAN CAPITAL

Wednesday, June 13, 09:00-10:30, Room: SPs08, Chair: Ida Hermanson 21

VERA ROCHA: "Sourcing and organizing human capital in new ventures: does startup experience matter?"

POLINA KNUTSSON: "Human capital sorting into new firms"

DIEGO ZUNINO: "Recruiting talent for early-stage ventures: an online experiment on startup job ads"

Discussants: **LUISA GAGLIARDI, KRISTINA ANDERSEN**

51 MARKETS FOR TECHNOLOGY: NEW PATENT MEASUREMENT TECHNIQUES

Wednesday, June 13, 09:00-10:30, Room: SPs12, Chair: Hadar Gafni 25

NICHOLAS PAIROLERO, CHARLES WILSON-DEGRAZIA, JESSE FRUMKIN: "Embracing invention similarity for the measurement of technological complexity"

DANIEL HAIN, ROMAN JUROWETZKI, TOBIAS BUCHMANN, PATRICK WOLF: "A vector worth a thousand counts - a temporal semantic similarity approach to patent impact prediction"

GIORGIO TRIULZI, JEFF ALSTOTT, CHRISTOPHER MAGEE: "Estimating technology performance improvement rates by mining patent data"

Discussants: **FRANK VAN RIJNSOEVER, DIEGO DE MORAES SILVA**

52 INDUSTRIAL DYNAMICS: STANDARDS

Wednesday, June 13, 09:00-10:30, Room: SPs14, Chair: Milan Miric 31

KNUT BLIND, ANNIKA LORENZ: "Drivers for companies' entry into standardization"

KRISTINA DAHLIN, RANJITA SINGH, DENISA MINDRUTA: "Strategic technology choices. how power imbalance deters standards adoption."

Discussants: **HART POSEN, CHRISTOS KOLYMPIRIS**

53 INDUSTRIAL DYNAMICS: EMERGENCE OF INDUSTRIES, NICHEs AND PRODUCTS

Wednesday, June 13, 09:00-10:30, Room: SP103, Chair: Ina Drejer 35

ANKUR CHAVDA: "The downside of real options: evidence from netflix's entry into television"

MARIA GRADILLAS: "The role of collective actors in emerging industries: the development of smart grids in the uk"

ANDERS KRABBE, METTE KNUDSEN: "Eyeing market opportunities: how new applications emerge for mature technologies"

Discussants: **THERESA VEER, JEROEN VAN DEN BOSCH**

54 INNOVATION STRATEGY: EXPLORATION AND EXPLOITATION

Wednesday, June 13, 09:00-10:30, Room: SP112, Chair: Owais Golra 42

STEPHEN ROPER, JANE BOURKE, JAMES LOVE: "Organisational capital, exploration and exploitation: econometric evidence for uk services firms"

PEDRO MESQUITA: "Breaking free from the shackles of embeddedness and venturing into exploration of technology domains"

STEFANIA SARDO, THOMAS HOHOLM, LUIS ARAUJO: "Innovations in normal periods: sporadic, incremental and predictable?"

Discussants: **STIJN KELCHTERMANS, CHRISTIAN OESTERGAARD**

55 ORGANIZATIONAL BEHAVIOR: FAMILY OWNERSHIP

Wednesday, June 13, 09:00-10:30, Room: SP113, Chair: Fernando Sanchez 49

YANNICK BAMMENS, PAUL HUNERMUND: "Owners and ecological corporate entrepreneurship: the effect of family ownership on eco-innovation"

KARIN BEUKEL, BEVERLY TYLER, ELENA FERNANDEZ, ALLAN DISCUA CRUZ, BROOKE LAHNEMAN: "Proactiveness and the use of secrecy in family and nonfamily smes: evidence from the wine industry"

Discussants: **PABLO D'ESTE, CARLA COSTA**

56 GEOGRAPHIES OF INNOVATION: MNES VS LOCAL FIRMS

Wednesday, June 13, 09:00-10:30, Room: SP114, Chair: Sandeep Sivakumar 55

LISA MESSINA, NOLA HEWITT-DUNDAS: "Eo's proactiveness as a catalyst for international expansion: an analysis of italian usos."

STANISLAV VAVILOV, STEPHAN MANNING: "Enabling social entrepreneurship internationally: an entrepreneurial ecosystem perspective"

WOLFGANG SOFKA, PEDRO DE FARIA, MIGUEL TORRES PRETO: "Hiring opportunities following mnc closures - can young firms attract former mnc professionals?"

Discussants: **TORBEN SCHUBERT, JOÃO DUARTE**

57 POLICY: EVOLUTION, REGULATION AND CONTRACTING

Wednesday, June 13, 09:00-10:30, Room: SP207, Chair: Tiare-Maria Brasseur 61

YUNI WEN: "Regulatory acceptance for ambiguous innovations: the enactment of the u.s. ride-hailing laws"

JOSHUA BRUCE, JOHN DE FIGUEIREDO, BRIAN SILVERMAN: "Public contracting for private innovation: government capabilities, decision rights, and performance outcomes"

MAUREEN MCKELVEY, RÖGNVALDUR SAEMUNDSSON: "An evolutionary model of innovation policy"

Discussants: **RASMUS BODE, MICHELA BERETTA**

PARALLEL PAPER SESSIONS 6

58 SCIENTIFIC PRACTICE: CURIOSITY AND PRODUCTIVITY

Wednesday, June 13, 15:00-16:30, Room: SPs03, Chair: Stanislav Vavilov 1

KNUT JØRGEN EGELIE, HAAKON LIE, CHRISTOPH GRIMPE, ROGER SØRHEIM: "Public funding of collaborative research and the access to research results"

SEOKKYUN WOO, YIN LI: "The role of curiosity in science: evidence from ig nobel prizes"

STEFANO BARUFFALDI, FABIAN GAESSLER: "Knowledge lost in capital"

Discussants: **FRANCESCO RULLANI, WOLFGANG SOFKA**

59 SCIENCE-BASED INDUSTRIES: THE EMERGENCE OF NEW FIELDS

Wednesday, June 13, 15:00-16:30, Room: SPs07, Chair: Sven Packmohr 12

FERNANDO SANCHEZ: "Problem solving under scientific and engineering contexts: the case of the alma radio-telescope."

HANH LA, RUDI BEKKERS: "The relation between scientific and technological knowledge in emerging fields: evidence from dna nanoscience and dna nanotechnology"

SEBASTIAN JAYARAJ, MICHELLE GITTELMAN: "Scientific breakthroughs and patent strategy: the impact of the genomics revolution on drug patents"

Discussants: **VIRGILIO FAILLA, HANS KONGSTED**

60 POLICY: ENTREPRENEURSHIP AND LEADERSHIP TRAINING

Wednesday, June 13, 15:00-16:30, Room: SPs08, Chair: Bruce Tether 20

CORNELIA STORZ, RAJESH RAMACHANDRAN: "Impact of entrepreneurship training programs: evidence from micro firms in sub-Saharan Africa"

LUISA GAGLIARDI, MYRIAM MARIANI: "Nurturing leadership: military conscription and leader inventors"

Discussants: **AMBARIN KHAN, VERA ROCHA**

61 MARKETS FOR TECHNOLOGY: PATENT LICENSING AND REDEPLOYMENT

Wednesday, June 13, 15:00-16:30, Room: SPs12, Chair: Francesca Tenca 26

CARLOS SERRANO, ROSEMARIE ZIEDONIS: "How redeployable are patent assets? evidence from failed startups"

LAURIE CIARAMELLA, GAÉTAN DE RASSENFOSSE: "Distance and the timing of licensing"

Discussants: **MARK THOMPSON, SEOKBEOM KWON**

62 INDUSTRIAL DYNAMICS: COMPETITIVE DYNAMICS

Wednesday, June 13, 15:00-16:30, Room: SP103, Chair: Mueid Al Raee 36

HART POSEN: "Winner-take-all dynamics revisited: positive feedback when earlier adopters' influence decays"

JOOST RIETVELD, DAVID NIEBORG, JOE PLOOG, PURSEY HEUGENS: "Platform ecosystem evolution: towards an integrative framework and implications for complementors"

TUNDE CSERPES, INGO KLEINDIENST: "Who takes on the small producers? the role of local portfolio dynamics"

Discussants: **ULRICH KAISER, FABIAN GAESSLER**

63 INNOVATION STRATEGY: EXTERNAL VS. INTERNAL SEARCH

Wednesday, June 13, 15:00-16:30, Room: SP112, Chair: Arianna Martinelli 41

SOFIA ANGELIDOU: "How and under what conditions search for external knowledge and organizational innovation are complementary activities?"

EMILIE RUIZ, MICHELA BERETTA: "Combining open and closed forms of innovation: an investigation of emerging tensions and management approaches "

Discussants: **PAUL ANCKAERT, AIJA LEIPONEN**

64 ORGANIZATIONAL BEHAVIOR: CEOS

Wednesday, June 13, 15:00-16:30, Room: SP113, Chair: Hamzeh Obeid 48

JAN HOHBERGER, MARK HUMPHERY-JENNER: "Ceo overconfidence, compensation and extreme innovation outcomes"

SHUKHRAT NASIROV, CHER LI, RICHARD HARRIS: "Converting technological innovations into new products: the role of ceo general skills"

ALI SAMEI, THOMAS MAXIMILIAN KLUETER: "Performance feedback and new product innovations: the role of ceo financial orientation"

Discussants: **FRANZ HUBER, JAN NIKLAS WICK**

65 INNOVATION NETWORKS: INTERMEDIARIES AND BROKERS

Wednesday, June 13, 15:00-16:30, Room: SP114, Chair: Tristan Botelho 53

MATJAZ VIDMAR: "Building a functional typology of innovation intermediaries' interventions"

MATTHIJS JANSSEN, MAYA BOGERS, IRIS WANZENBÖCK: "Systemic innovation intermediaries and their moderating influence on r&d collaboration tendencies"

DIMITRI GRAF: "What we know versus who we know"

Discussants: **ANNALISA CALOFFI, STEFANO LI PIRA**

66 GEOGRAPHIES OF INNOVATION: KNOWLEDGE NETWORKS AND PROXIMITY

Wednesday, June 13, 15:00-16:30, Room: SP207, Chair: Priit Vahter 59

ARJAN MARKUS, JUAN CANDIANI: "Network resource munificence, geographical dispersion and inventor performance"

OWAIS GOLRA, ALESSANDRO ROSIELLO, RICHARD HARRISON: "Proximity and its impact on the formation of technical networks of product and process innovation"

MILAD ABBASIHAROFTEH, TOM BRÖKEL: "The evolution of knowledge networks in times of socio-economic transition: the case of the berlin biotechnology cluster"

Discussants: **JAANA RAHKO, CARITA EKLUND**

POSTER PRESENTATIONS

Tuesday, June 12, 14:30-15:00 and 16:30-17:00, CBS lobby

KARIN BEUKEL: "IP Litigation Is Local, But Those Who Litigate Are Global"

LUIGI ORSI: "Bigger, better, faster, more!" How to increase the intensity and relevance of the technological progress of European regions"

DAGMAR HOLM: "Conceptualising the Entrepreneurial Mindset"

JAANA RAHKO: "Environmental investments, firm innovativeness and productivity. An adapted CDM model for Finland"

JUAN FERNANDEZ: "The effect of developing countries' innovation policies on firms' decisions to invest in R&D"

MAARTEN RABIJNS: "Science Parks as Catalyzers for Radical Inventions?"

TED TSCHANG: "The Role of Design in Reconceptualizing Design Science and Reconciling Innovation Processes"

AGNIESZKA NOWINSKA AND RAM MUDAMBI: "Good girls go to heaven...but not together. Antecedents of employees' co-mobility after organizational failure"

SOTARO SHIBAYAMA: "Privatization of Scientific Resources"

STEFANO LI PIRA: "Linking Customer Embeddedness and Imitation: The Mediating Role of External Knowledge Sources and Coordination Mechanisms"

MEHMET KEREM: "Managing Inter-organizational agile innovation: A case study"

RAQUEL JUSTO GONZALEZ: "Becoming self-employed from inactivity: An in-depth analysis of job satisfaction"

SANDEEP SIVAKUMAR: "Internationalization of Emerging Market Firms: The Role of Domestic Agglomerations in Reducing Liability of Origin"

RACHEL HOWELL: "Adoption of Innovations in Bottled Water at the Bottom of the Pyramid: Who Adopts First?"

SOCIAL PROGRAM



DRUID DRINKS

Included in conference registration
Monday, June 11, 18:30-19:30 (CBS Kilen)

In the setting of CBS' most architecturally stunning building, we enjoy a glass and some snacks. 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 take place on Tuesday, June 12. Meeting point is at the conference venue and they all end at the DRUID Conference Dinner.



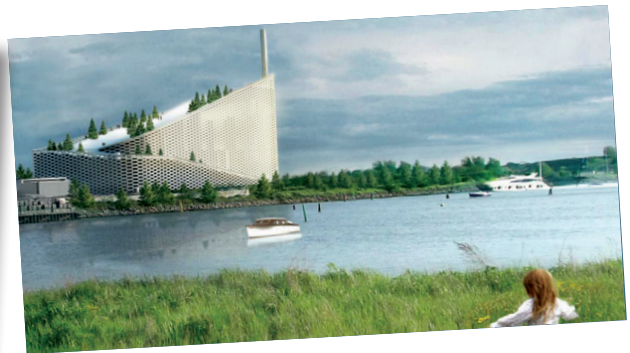
DISCOVERY 1: COPENHAGENIZE!

Bike excursion

Meeting point: Main lobby at 16:30

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.



DISCOVERY 2: COPENHILL!

Power plant and ski slope

Meeting point: Main lobby at 16:30

The main waste management plant of Copenhagen is not only a state-of-the-art recycling and heat and power waste-to-energy plant, it is also an artificial ski slope, recreational hiking area, and Scandinavia's highest climbing wall. Designed by world-renowned architects Bjarke Ingels Group, Copenhill was completed in 2017. DRUID has managed to arrange a visit for a limited number of DRUID participants, offering an unique chance to peak into Copenhill's technological as well as architectural innovations. Some walking included (from Metro station to Copenhill, and from boat to dinner venue).

DRUID DINNER and Paper Award Ceremony

Tuesday, June 12, 19:00-23:00

Pakhus 11, Dampfærgevej 2

<https://goo.gl/maps/uQ7Xzv6nFKo>

5 minutes walk from Østerport station or 30 minutes walk from downtown along the “Little Mermaid route”.

The grand DRUID DINNER is known for its excellent food and high fun factor. This year we will wine and dine not too far from the Little Mermaid, sipping our drinks on the quay where, for almost a century, Danish immigrants to the USA boarded ship. Then, we enter into Pakhus 11, a converted warehouse from 1892 for a menu that mixes New Nordic cuisine with international flavours.



DISCOVERY 3: CITY WALK!

Classic sightseeing with a twist

Meeting point: Main lobby at 16:30

Join us for a city walk covering some of Copenhagen's classic sights, including The Royal Theatre, Nyhavn, The Harbour Bridges, The Royal Castle, The Opera, and of course, The (Very!) Little Mermaid. It will be two hours' lovely, quaint, relaxed walk, offering the guides' personal perspectives on the city, city planning, as well as a few tips for unusual sights, and, perhaps, a refreshment or two in the guide's personal favorite haunts.

Walking distance: Around 3 kilometers over 2 hours.



DRUID DECADENCE After Party

Wednesday, June 13, 19:30-?

Pladeværkstedet, Refshalevej 167 C

<https://goo.gl/maps/jSkJmES6jQR2>

A sensational walk along Copenhagen Opera, past Free-town Christiania and the world-class restaurant Noma and into the overgrown, hidden and quaint “Klondyke” parts of Copenhagen harbor. Walk from downtown across the pedestrian bridge Inderhavnsbroen (40 mins), or from Christianshavn metro station (40 mins).

A true DRUID tradition, DRUID DECADENCE has made DRUIDs dining and dancing the night away in Copenhagen, London, Barcelona, Rome, and New York. This year, we will meet for a BBQ party, drinks and music in Pladeværkstedet, a clandestine garden surrounding an old shipbuilder's workshop hidden amongst the city ramparts. Afterwards, we get into the official DRUID18 vessel and cross the harbour in order to join the locals for a nightcap in our favourite secret bar in the historical old harbor quarters.



DISCOVERY 4: JUST DRUID!

Your own way

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

Assembly point: Main lobby at 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 along the scenic “Little Mermaid route” approx. 2.5 kilometres/30 minutes. Walking from the conference venue approx. 5.5 kilometres/70 minutes.

NOMINEES FOR THE 2018 DRUID BEST PAPER AWARD

PAPER NO. 1: "DOES MORE MONEY LEAD TO MORE INNOVATION? EVIDENCE FROM THE LIFE SCIENCES"



MARC
LERCHENMUELLER

Yale University, School of
Management

ABSTRACT:

Large sums are often invested into scientific innovation - the creation of new knowledge through scientific research. In this paper, we argue that increasing investments may lead scientists to pursuing average (but more certain) as opposed to higher risk projects, with negative consequences for scientific innovation. Exploiting an exogenous multi-billion dollar shift of U.S. federal funding in the life sciences and employing a difference-in-differences approach, we find significant negative effects of greater funding availability on scientists' innovation productivity (14% fewer papers published), its significance (16% less citations generated), and novelty (9% reduction in unprecedented content). These negative effects become more pronounced when we, in addition to the macro level (federal budget), also account for differences in funding at the micro level (project budget). Our results further indicate, that the negative effects on scientific innovation are primarily driven by top scientists changing their research strategy with greater funding availability. We conclude with implications for public policy, firm strategy, and the allocation of resources in support of scientific innovation.

PAPER NO. 2: "SCIENCE IS SHAPED BY WIKIPEDIA: EVIDENCE FROM A RANDOMIZED CONTROL TRIAL"



NEIL C
THOMPSON

MIT Sloan School of
Management



DOUGLAS
HANLEY

University of Pittsburgh,
Economics

ABSTRACT:

As the largest encyclopedia in the world, it is not surprising that Wikipedia reflects the state of scientific knowledge. However, Wikipedia is also one of the most accessed websites in the world, including by scientists, which suggests that it also has the potential to shape science. This paper shows that it does. Incorporating ideas into Wikipedia leads to those ideas being used more in the scientific literature. We provide correlational evidence of this across thousands of Wikipedia articles and causal evidence of it through a randomized control trial where we add new scientific content to Wikipedia. We find that the causal impact is strong, with Wikipedia influencing roughly one in every 830 words in related scientific journal articles. We also find causal evidence that the scientific articles referenced in Wikipedia receive more citations, suggesting that Wikipedia complements the traditional journal system by pointing researchers to key underlying scientific articles. Our findings speak not only to the influence of Wikipedia, but more broadly to the influence of repositories of scientific knowledge and the role that they play in the creation of scientific knowledge.

PAPER NO. 3: "HERDING IN EQUITY CROWDFUNDING MARKETS - HETEROGENEITY BETWEEN EXPERTS AND AMATEURS"



JAN NIKLAS
WICK

Technical University Hamburg,
Institute of Entrepreneurship



CHRISTOPH IHL

Technical University Hamburg,
Institute of Entrepreneurship

ABSTRACT:

In crowd-based investment markets a heterogeneous group of individuals consisting of amateurs and experts collectively make investment decisions that were previously left to experts. Being carried out publicly on online platforms, the funding process gives these individuals the opportunity to observe actions of peers before deciding for themselves. Using a unique dyadic panel data set that tracks crowd-based investments into startups with information on individual investor level, we study how individuals are influenced in their investment decisions by prior actions of peers. In line with herding behaviour, we find evidence that individuals are more likely to invest into campaigns with higher cumulative investment amounts. Counterintuitively, investors are at the same time less likely to invest into campaigns that exhibit higher counts of prior investors. Thus, individuals herd after expert investors, who account for the majority of provided funding, and actually herd away from the general amateur crowd. Examining different motivations for this behaviour on investor-level, we find two distinct patterns. First, herding after experts is stronger among investors, who are experts themselves and search for signals of valuable private information in pursuit of financial returns. Second, amateur investors also thrive for non-financial motives and consider peer investors as competition for their own meaningful impact.

NOMINEES FOR THE 2018 STEVEN KLEPPER AWARD FOR BEST YOUNG SCHOLAR PAPER

PAPER NO. 1: "THE INFLUENCE OF THE ENTREPRENEUR'S PRIOR INDUSTRY EXPERIENCE ON THE VENTURE'S SURVIVAL: A COMPARATIVE ANALYSIS ON THE ROLE OF RELATEDNESS IN TWO PARTS OF THE WEST SWEDISH TEXTILE INDUSTRY"



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ABSTRACT:

A large stream of literature acknowledges that entrepreneurs are guided by their prior knowledge and a fair amount of research supports the view that the venture benefits from being operated by an entrepreneur with prior experience from the focal industry. However, recent advances within evolutionary economic geography, grounded on theories on knowledge transfer and absorptive capacity, highlight the role of related knowledge in economic activities. In order to connect the literature on these topics, this paper investigates how related industry experience of the entrepreneur influences the venture's survival. The paper presents a comparative analysis of two parts of the West Swedish textile industry that have been subject to different development paths. The findings show that ventures in these two parts of the textile industry benefit differently from having an entrepreneur with prior related knowledge, which in this case suggests that the role of relatedness differs in different phases in the industry life-cycle.

PAPER NO. 2: "ACHIEVING STRATEGIC AND FINANCIAL RETURNS: THE CHALLENGE OF CORPORATE VENTURE CAPITAL INVESTORS"



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ABSTRACT:

Why are corporate investors able to generate either strategic or financial returns separately but not both types of returns jointly? Building upon the financial contract theory, I conceptualize corporate venture capital investing as a hybrid investment model in which corporate investors gain strategic returns by commercializing a venture's knowledge, and financial returns by exiting the investment through an IPO or an acquisition by another firm. The model predicts a negative relationship between the strategic and financial returns. Corporate investors may exit an investment that does not generate a strategic return and keep an investment in the portfolio when exiting an investment leads to a loss of access to the venture. Using a sample of 18 corporate investors in the chemical industry that invested in 567 ventures, I find a negative correlation between the probability that an investment generates a knowledge transfer from the venture to the corporate investor and the probability to exit an investment. An investment that generates a knowledge transfer negatively affects the odds of exiting versus keeping the investment in the CVC portfolio. The technological distance between the venture and the corporate investor, the size of the syndicate, and the mode of exit (IPO or acquisition) affect the trade-off between exiting and keeping the investment in the CVC portfolio.

PAPER NO. 3: "FREE TO BE INNOVATIVE? LIMITS TO THE BENEFITS OF AUTONOMY IN R&D"



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ABSTRACT:

Autonomy is considered a key aspect in motivating human capital in knowledge-intensive activities like innovation. Research to date has mainly focused on the benefits suggesting that more autonomy is always better when aiming at valuable innovative output. Drawing on central predictions of agency theory, we argue that autonomy (delegation) also bears costs due to potential preference incongruities and goal conflicts, especially in the highly uncertain context of innovation. Along with the benefits, these agency costs may create a trade-off, thus resulting in decreasing marginal returns to autonomy with regard to the value of innovative output. Using a large dataset that combines a survey of inventors with patent data and estimating an instrumental variable regression model to alleviate endogeneity concerns, we find evidence in support of the hypothesis of decreasing marginal returns. Accordingly, the costs of autonomy start to level out the benefits after a certain threshold. This non-linear relationship appears to be more pronounced for experienced inventors and is not statistically significant for less experienced inventors. Overall, this study suggests that there are limits to the benefits of autonomy when trying to achieve valuable innovative outputs.

NOMINEES FOR THE 2018 INDUSTRY AND INNOVATION 25TH ANNIVERSARY DRUID AWARD FOR BEST PAPER

PAPER NO. 1: "ACADEMIC TENURE, RISK-TAKING AND THE DIVERSIFICATION OF SCIENTIFIC RESEARCH"

Industry and Innovation, 24:7 (2017), 691-712



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ABSTRACT:

We discuss two competing hypotheses linking the relative job security granted by tenure in academic employment to scientists' choices between diversifying vs. specialising their research portfolio. To test our hypotheses, we develop a new methodology, using an algorithm of semantic analysis that partitions scientists' publications into research themes, and we compute the Blau's diversification index for 562 scientists observed over 15 years. The results of a Fractional Probit Model with fixed effects show that tenure is associated to more diversification of research interests. We discuss the implications for policy-makers and granting agencies wishing to incentivise explorative research.

PAPER NO. 2: "TRADEMARK OR PATENT? THE EFFECTS OF MARKET CONCENTRATION, CUSTOMER TYPE AND VENTURE CAPITAL FINANCING ON START-UPS' INITIAL IP APPLICATIONS"

Industry and Innovation, 24:4 (2017), 325-345



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ABSTRACT:

We analyse the initial IP applications of 4,703 start-ups in the U.S., distinguishing between trademark and patent applications. Our empirical results show that start-ups are more likely to file for trademarks instead of patents when entering markets with a higher market concentration. Furthermore, we find that start-ups that are primarily active in business-to-consumer markets instead of business-to-business markets are more likely to file trademarks. Finally, the involvement of a venture capitalist (VC) affects the initial IP application. VC-backed start-ups are more likely than other startups to file initial IP in the form of trademarks rather than patents. This paper contributes to research on the use of IP rights in start-ups and to the literature on new venture strategy.

PAPER NO. 3: "R&D, WORKER TRAINING AND INNOVATION: FIRM-LEVEL EVIDENCE"

Industry and Innovation, 23:8 (2016), 694-712



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ABSTRACT:

Firms that invest in R&D and also in worker training are expected to be successful innovators; yet, the extent to which these investments are mutually reinforcing has not been established. This paper addresses that question by analysing the decision to innovate and the number of innovations introduced. Our findings, which are based on a sample of Spanish manufacturing firms, confirm that R&D is more effective when firms also invest in worker training. Moreover, for some smaller firms, investing in workers' skills (via training programs) boosts innovation even in absence of R&D. Meanwhile, on-the-job training in large firms might serve mainly to reinforce the effects of R&D. Regarding the number of innovations, our result signals that a higher absorptive capacity via higher ability of qualified workers (through schooling or training) leads to improved innovation performance.

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Stijn Kelchtermans	KU Leuven
Tara Vinodrai	University of Waterloo
Terence Fan	Singapore Management University
Theodor Vladasel	Copenhagen Business School
Thierry Burger-helmchen	University of Strasbourg - BETA
Thomas Brenner	Philipps University Marburg
Thorsten Grohsjean	Bocconi University
Tobias Kretschmer	LMU Munich
Tobias Schmidt	Deutsche Bundesbank
Toke Reichstein	Copenhagen Business School
Tom Broekel	Utrecht University
Uwe Cantner	Friedrich Schiller University Jena
Valentina Meliciani	LUISS Guido Carli
Vera Rocha	Copenhagen Business School
Viktor Slavtchev	Halle Institute for Economic Research (IWH)
Vincenzo Buttice	Politecnico Di Milano
Virgilio Failla	University of Bath
Vito Amendolagine	Pavia
Vittoria G. Scalera	Amsterdam Business School, University of Amsterdam
Xiangyang Yang	Nanjing University of Finance & Economics
Yannis Caloghirou	National Technical University of Athens

THE DRUID SCIENTIFIC ADVISORY COMMITTEE 2014-2019



**OLAV
SORENSEN
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.

agement 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



**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 Man-*



**AMMON
SALTER**

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

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



ANITA MCGAHAN

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

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



GAUTUM AHUJA

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

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



DIETMAR HARHOFF

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

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



KULWANT SINGH

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

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



MARYANN FELDMAN

Maryann Feldman is the S.K. Heninger Distinguished Chair in Public Policy at the University of North Carolina, Chapel Hill. Her research and teaching interests focus on the areas of innovation, the commercialization of academic research and the factors that promote technological change and economic growth. A large part of Dr. Feldman's work concerns the geography of innovation – investigating the reasons why innovation clusters spatially and the mechanisms that support and create industrial agglomerations of innovation. Her current work examines the logic of economic development and the use of innovative data sources to understand regional economic dynamics. She is studying the industrial genesis of the Research Triangle Region to understand how the economy developed and the role played by public policy.



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



RAM MUDAMBI

Ram Mudambi is Professor and Perelman Senior Research Fellow at the Fox School of Business, Temple University. Previously he served on the faculties of Case Western Reserve University, the University of Reading (UK) and the University of North Carolina – Chapel Hill. He is a Fellow of the Academy of International Business. He is a visiting Professor at Henley Business School, University of Reading, an Honorary Professor at the Center of International Business, University of Leeds (CIBUL) and a member of advisory council of the University of Bradford Centre in International Business (BCIB). His current research projects focus on the geography of innovation and the governance of

knowledge-intensive processes. He has served as an Associate Editor of the *Global Strategy Journal* (2010-2013) and is an Area Editor at the *Journal of International Business Studies* (2013-2016). He has published over 80 peer-reviewed articles, including work in the *Journal of Political Economy*, the *Journal of Economic Geography*, the *Strategic Management Journal* and the *Journal of International Business Studies*. He has been a special issue editor for the *Journal of Economic Geography*, the *Journal of Management Studies* and the *International Business Review*. He serves on the editorial boards numerous journals.



SIDNEY G. WINTER

Professor Sidney G. Winter is Deloitte and Touche Professor Emeritus of Management at the Wharton School of the University of Pennsylvania. His research areas are: Firm capabilities; technological change; competitive advantage



SIMON PARKER

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



WESLEY M. COHEN

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

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

THE DRUID EXECUTIVE COMMITTEE



MARK LORENZEN

Director of DRUID Mark Lorenzen is Professor of Innovation, Entrepreneurship and Industrial Dynamics at the Department of Innovation and Organizational Economics 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*.



JESPER LINDGAARD CHRISTENSEN

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



METTE PRÆST KNUDSEN

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



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 vignettes 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 numerous

papers within economic geography, innovation and strategy and he is among the top 1% of the world's most Highly Cited Researchers within Social Science, see: www.highlycited.com. He has an extensive record as governmental policy advisor and as chair of the board of Scandinavian corporations. He is former chair of the Danish Social Science Research Council and current member of Academia Europea.



CHRISTIAN R. ØSTERGAARD

Christian R. Østergaard is Professor of Innovation and Regional Industrial Dynamics at the Department of Business and Management, Aalborg University, Denmark. He holds

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Notes:

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.