

DRUID21 Parallel Sessions program

Monday October 18

1 Scientific practice: Doctoral training

Monday October 18 at 15:00 - 16:30, Room: SPs12, Chair: Sam Arts 6

- *Cornelia Lawson, Cindy Lopes-bento* : "Satisfied or money back: should policy keep educating phd holders despite market frictions? "
- *Guido Buenstorf, Johannes Koenig, Anne Otto* : "Doctoral training outside the university: public research institutes, industry and human capital formation in the german system of research and innovation"

Discussant: Balint Dioszegi, Inês Black

2 Organizational behavior: Human resource management

Monday October 18 at 15:00 - 16:30, Room: SPs03, Chair: Maren Mickeler 13

- *Lee Davis, Tim Schweisfurth* : "Exploring the organizational selection of leisure time inventions: a knowledge-combination perspective"
- *Stephan Billinger, Stefano Benincasa, Oliver Baumann, Tobias Kretschmer, Terry Schumacher* : "How incentives and modularity shape search in rugged landscapes: an experimental study"
- *Nikolaos Papageorgiadis, Andreas Procopiou, Wolfgang Sofka* : "Unintended consequences of outcome based compensation - how ceo bonuses, stocks and stock options affect their firms' patent litigation"

Discussant: Anne Ter Wal, Chiara Franzoni

3 The institutions of innovation: Social values

Monday October 18 at 15:00 - 16:30, Room: SP213, Chair: Martina Ayoub 18

- *Lukas Maier* : "For it is in giving that we receive: how and when a firm's open source philosophy is attractive for consumers"
- *Anders Broström, Andra Riandita* : "Compelling commitments: customer appreciation of supplier working conditions in the market for b2b cleaning services"
- *Semi Min, Hil Lifshitz-Assaf, Natalia Levina* : "What does contact tracing really mean?: how governments and citizens contest the meaning of contact tracing to achieve societal resilience"

Discussant: Andrea Mina, Damiano Maria Morando

4 Geographies of innovation: Global value chains

Monday October 18 at 15:00 - 16:30, Room: SPs14, Chair: Martina Iori 24

- *Thiago Caliari, Leonardo Costa Ribeiro, Carlo Pietrobelli, Antonio Vezzani* : "Global value chains and sectoral innovation systems: an analysis of the aerospace industry"
- *Petros Dimas, Dimitrios Stamopoulos, Aggelos Tsakanikas* : "Where does the knowledge come from? a framework for tracing embodied knowledge in global value chains"
- *Petros Dimas, Yannis Caloghirou, Aggelos Tsakanikas, Nicholas Vonortas* : "Business intangibles in global value chains: in search of export competitive advantage "

Discussant: Koen Frenken, Adriaan van der Loos

5 Ecosystems: Dynamics and alignment

Monday October 18 at 15:00 - 16:30, Room: SP214, Chair: Maryna Vakulenko 29

- *Ankur Chavda, John Eklund* : "Industry or ecosystem change? examining how new entrants can impact established incumbent-supplier relationships"
- *Charlotta Winkler, Eugenia Perez Vico, Kristian Widén* : "Explaining barriers to the alignment of business ecosystems implementing solar photovoltaic systems in the built environment"
- *Nuria Moratal, Anne-Lorene Vernay, Carine Sebi* : "Ecosystem creation under high uncertainty - a longitudinal analysis of the alignment process"

Discussant: Alexandra Zaby, Ragnhild Kvålshaugen

6 Markets for technology: New methods in IP research

Monday October 18 at 15:00 - 16:30, Room: SP212, Chair: Mattia Pedota 37

- *Christian Sternitzke, Stefan Wagner, Sascha Walter* : "Mapping markush"
- *Rudi Bekkers, Elena Tur, Joachim Henkel, Tommy Vorst, van der, Menno Driesse, Jorge Contreras* : "Overcoming inefficiencies of patent licensing: a method to assess patent's essentiality for technical standards "
- *Daniel Hain, Roman Jurowetzki, Hamid Bekamiri* : "Patentsberta: a deep nlp based hybrid model for patent distance and classification using augmented sbert"

Discussant: Catherine Beaudry, Diletta Di Marco

7 Open innovation: Competition and partner choice

Monday October 18 at 15:00 - 16:30, Room: SP208, Chair: Dennis Verhoeven 43

- *Geoffrey Borchhardt, Balázs Kovács, Michelle Rogan* : "Expertise, competitive overlap, and partner choice"
- *Pedro Mesquita* : "Seeking help under pressure: the effect of competition on firms' collaborative behavior"
- *Ding Nan, Arjan Markus, Leon Oerlemans* : "Draw to a close: inventor triad behavior and invention quality"

Discussant: Luca Gius, Pierpaolo Parrotta

8 Entrepreneurship: Human capital antecedents

Monday October 18 at 15:00 - 16:30, Room: SP207, Chair: Mehdi Montakhabi 48

- *Aliasghar Bahoo Torodi, Roberto Fontana, FRANCO Malerba* : "Knowledge contexts of entrepreneurship: the effects of pre-entry resources on new firms' capabilities and market entry"
- *Louise Lindbjerg, Theodor Vladasel* : "Entrepreneurial human capital and firm innovation"
- *Subhan Shahid, Emmanuelle Ryenaud* : "The antecedents and consequences of entrepreneurial exit from sustainability-oriented businesses"

Discussant: Aldona Kapacinskaite, Elena Lizunova

9 Scientific practice: University-industry relations

Monday October 18 at 15:00 - 16:30, Room: SP114, Chair: Minyoung Choi 55

- *Sofia Patsali* : "University procurement-led innovation"
- *Gianluca Murgia, Antonio Messeni Petruzzelli* : "A time to explore, a time to exploit: the role of universities in the development of smes' search capabilities"
- *Martin Kalthaus, Ekaterina Albats* : "Conceptualizing digital platforms as means for university-industry intellectual capital exchange "

Discussant: Artur Santoalha, Rainer Widmann

10 Online platforms: Crowdfunding

Monday October 18 at 15:00 - 16:30, Room: SP112, Chair: Mohammad Nasiri 61

- *Carmelo Cennamo, Ioanna Constantiou, Michael Wessel* : "The "love effect" in crowdfunding markets: how platform selective promotion of projects affects value creation "
- *Jesper Christensen* : "A critical view on equity crowdfunding"
- *Hadar Gafni, Lars Jeppesen* : "Is the crowd wise enough to recognize creditworthy borrowers?"

Discussant: Pedro Aceves, Yeseul Choi

11 Labor and talent: Drivers and effects of mobility

Monday October 18 at 15:00 - 16:30, Room: SP103, Chair: Llewellyn Thomas 66

- *Agnes Guenther* : "Team diversity and the mobility of r&d workers after acquisitions"
- *Pooyan Khashabi, Tobias Kretschmer, Ali Mohammadi, Joe Raffiee* : "Cognitive ability and employee mobility: evidence from swedish microdata"

Discussant: Betsabé Pérez Garrido, Remi Elzinga

12 Scientific practice: Ownership of scientific knowledge

Monday October 18 at 17:00 - 18:30, Room: SPs12, Chair: Nathan Rietzler 5

- *Elodie Carpentier, Nicolas Carayol* : "The ownership of academic inventions: is it efficient to assign the intellectual property rights to universities?"
- *Arman Aksoy, Catherine Beaudry, Davide Pulizzotto* : "The effects of patent portfolio diversification on university startup creation."
- *Matthijs Punt, Jarno Hoekman, Koen Frenken* : "Unconventional gatekeeping in science: impacts of journal ownership and open access on the publication of novel scientific research"

Discussant: Kyle Myers, Paola Criscuolo

13 Organizational behavior: Impacts on employees

Monday October 18 at 17:00 - 18:30, Room: SPs03, Chair: Stefano Baruffaldi 12

- *Isabel Bodas-Freitas, Fakher Omezzine, Jeffrey Orozco, Keynor Mejías* : "Accidental innovation: workers empowerment and inter-organizational collaboration"
- *Thomaz Teodorovicz, Carolina Garcia* : "How knowledge scaling reshapes strategic human capital management: evidence from acquisitions in private higher education"
- *Rita Bonvicini, Keld Laursen, Vera Rocha* : "Which employees benefit from employers' open innovation activities?"

Discussant: Thorbjorn Knudsen, Georgios Tsiachtsiras

14 The institutions of innovation: Moral, ethics and hate

Monday October 18 at 17:00 - 18:30, Room: SP213, Chair: Sofia Patsali 17

- *Madeleine Rauch, Shaz Ansari* : "Drones in military warfare: the moral and emotional implications of an emerging technology"
- *Olga Pojiltov, Jillian Gordon, Romeo Turcan* : "Theorizing the emergence of fluid ethics and fluid legitimation under uncertainty"
- *Raphaela Andres, Olga Slivko* : "The effect of hate speech regulation on german twitter"

Discussant: Russell Seidle, Dieudonnee Cobben

15 Innovation strategy: Differentiation and renewal

Monday October 18 at 17:00 - 18:30, Room: SPs14, Chair: Bram Timmermans 23

- *Khoa Nguyen, Mirva Peltoniemi, Juha-Antti Lamberg* : "Strategic renewal: very hard, nearly impossible"
- *Sam Arts, Bruno Cassiman, Jianan Hou* : "Technology differentiation and firm performance "
- *Jose Arrieta, Chengwei Liu* : "In search of contrarian opportunities from the blind spot of majority rule"

Discussant: Stephen Roper, Eugenia Perez Vico

16 Geographies of innovation: Local institutions and regional development

Monday October 18 at 17:00 - 18:30, Room: SP214, Chair: Anisa Shyti 28

- *Robert Hassink, Huiwen Gong* : "Varieties of capitalism and local industrial development"
- *Anne Tanner, Eun Kyung Park, Christian Østergaard* : "Agency in green regional path development: systematic evidence from the nordic regions"
- *Marianna Marino, Fortuna Casoria, Pierpaolo Parrotta, Davide Sala* : "Local government and innovation: the case of italian provinces"

Discussant: Theresa Veer, Amir Sasson

17 Markets for technology: Private vs public benefits

Monday October 18 at 17:00 - 18:30, Room: SP212, Chair: Lori Divito 35

- *Aldona Kapacinskaite, Colleen Cunningham* : "Keeping invention confidential: the role of strengthened appropriability in the use of trade secrets "
- *Dennis Byrski, Fabian Gaessler, Matthew Higgins* : "Market size and research: evidence from the pharmaceutical industry"
- *Matteo Tubiana, Elena Cefis, Nicola Grassano* : "The social return of r&d investments: recent insights from the most prominent r&d investors in the world"

Discussant: Lee Davis, Tom Grad

18 Open innovation: Absorptive capacity

Monday October 18 at 17:00 - 18:30, Room: SP208, Chair: Gaétan de Rassenfosse 41

- *Enrique Acebo, José-Ángel Miguel-Dávila, MARIANO Nieto* : "Complementarity between r&d collaborations, firm's product innovation and the moderating role of absorptive capacity"
- *Stefan Naef, Mathias Beck, Stephan Wagner, Martin Wörter* : "The role of outsourcing for a firm's innovation capability "
- *Désiré Agossou, Pere Arque-Castells, Clemens Lutz, Jordi Surroca* : "Need versus solution absorptive capacity: moderating effects on ngos' interventions in developing countries"

Discussant: Nataliya Wright, Hugo Castro Silva

19 Entrepreneurship: Mobilization of human capital

Monday October 18 at 17:00 - 18:30, Room: SP207, Chair: Henry Lopez-Vega 47

- *Vera Rocha, Dario Pozzoli* : "Give it another shot: startup experience and the mobilization of human capital resources in new ventures"
- *Rand Gerges-Yamine, Anne Ter Wal, Namrata Malhotra* : "Transitioning to circles that matter: how entrepreneurs navigate networking arenas to build social capital "
- *Pontus Braunerhjelm, Emma Lappi* : "Employees' entrepreneurial human capital and firm performance"

Discussant: Arjan Markus, Wolfgang Sofka

20 Scientific practice: Academic entrepreneurship

Monday October 18 at 17:00 - 18:30, Room: SP114, Chair: Lennard Stolz 53

- *Chiara Marzocchi, Mabel Sánchez-Barrioluengo, Fumi Kitagawa* : "Graduates start-ups as knowledge spillover: contextual influences from the university and regional ecosystems"
- *Wolf-Hendrik Uhlbach* : "The effects of academic entrepreneurship on productivity and collaboration in science"
- *Philip Doerr, Uwe Cantner, Maximilian Goethner, Martin Kalthaus, Matthias Huegel* : "Between the settings: transition along the academic spin-off creation process"

Discussant: Francesco Di Lorenzo, yanting gu

21 Online platforms: User incentives

Monday October 18 at 17:00 - 18:30, Room: SP112, Chair: Martin Murmann 60

- *Jörg Claussen, Rouven Litterscheidt, David Streich* : "Seeking analyst coverage: steering user-generated content using monetary incentives"
- *Cassandra Chambers, Pedro Aceves, Marlon Alves* : "when credit is due but not given: the effect of insufficient recognition on the amount and scope of knowledge contributions "
- *Joy Wu* : "Privacy-seeking behavior in the personal data market"

Discussant: Tuong-Vi Quach, Philipp Heß

22 Labor and talent: Labor market dynamics

Monday October 18 at 17:00 - 18:30, Room: SP103, Chair: Luca Pistilli 65

- *Inês Black, Sharique Hasan, Rembrand Koning* : "Hunting for talent: firm-driven labor market search in the united states"
- *Yassine LAMRANI ABOU ELASSAD, Giuseppe Criaco, Justin Jansen, Tom Mom* : "Replicating the employment growth and firm failure relationship: is there a u-shaped curve?"
- *Sampsa Samila, Marina Chugunova, Arnau Juanmarti, Klaus Keller* : "Automation, trade and political participation: evidence from us local labour markets"

Discussant: Paul Hunermund, Karl Wennberg

23 The digital economy: Artificial intelligence I

Monday October 18 at 17:00 - 18:30, Room: SPs13, Chair: Lukas Maier 71

- *Jacob Holm, Edward Lorenz* : "The impact of artificial intelligence on skills at work in denmark"
- *Matheus Leusin, Björn Jindra, Daniel Hain* : "Ai's local patterns of innovation"
- *Martina Iori, Andrea Mina, Arianna Martinelli* : "The direction of technical change in artificial intelligence and the trajectory effects of government funding"

Discussant: Francesco Rullani, Charlotta Winkler

24 The digital economy: New research approaches

Monday October 18 at 17:00 - 18:30, Room: SPs08, Chair: Julia Toroi 76

- *Michael Ward* : "Internet meme production and competition"
- *Llewellyn Thomas, Richard Tee* : "Generativity: a systematic review and conceptual framework"
- *Raviv Murciano-Goroff, Ran Zhuo, Shane Greenstein* : "Hidden software and veiled value creation: illustrations from server software usage"

Discussant: Guido Buenstorf, Cesare Righi

Tuesday October 19

25 Scientific practice: Time, routines and ownership

Tuesday October 19 at 09:00 - 10:30, Room: SPs12, Chair: Rita Nana-Cheraa 1

- *Sampsa Samila, Markus Simeth, David Wehrheim* : "Institutional ownership and the nature of corporate innovation"
- *Rognvaldur Saemundsson, Maureen Mckelvey* : "Organizational routines and the growth of knowledge in engineering: evolving modes of academic engagement in biomedical engineering at chalmers university of technology 1948-2018."
- *Pauline Mattsson, Sotaro Shibayama* : "The role of time in fostering novel research"

Discussant: Antonio Vezzani, Caetano Penna

26 Organizational behavior: Boards, CEOs, audits

Tuesday October 19 at 09:00 - 10:30, Room: SPs03, Chair: Sofie Cairo 10

- *Stephen Impink* : "Communication within firms: evidence from ceo turnovers"
- *Stephane Lhuillery, Stéphanie THIERY, marion Tellechea* : "Open innovation in managerial innovation: the case of internal audit"
- *Araksya Ayvazyan, Eduardo Melero, Kurt Desender* : "Board independence and acquisitions of external knowledge: overcoming the nih syndrome"

Discussant: Jörg Claussen, Jitse Duijsters

27 The institutions of innovation: Community logics and norms

Tuesday October 19 at 09:00 - 10:30, Room: SP213, Chair: Gianluca Murgia 16

- *Massimiliano Mazzanti, Susanna Mancinelli, Luca Crudeli, Raul Pitoro* : "Beyond individualistic behaviour: social norms and innovation adoption in rural mozambique"
- *Paul Hunermund, Yannick Bammens* : "Can they see us? ecological community logics, identifiable business ownership, and green innovation as a company response"

Discussant: Nicoletta Corrocher, Eunkyung Park

28 Innovation strategy: Responses to discontinuity

Tuesday October 19 at 09:00 - 10:30, Room: SPs14, Chair: Sofia Rosero 21

- *Lori Divito, Erin Leitheiser, Charlotte Piller* : "The influence of business models for sustainability on organizational field change: understanding field logic shifts towards circularity"
- *Luca Pistilli, Alessio Cozzolino, Gianmario Verona, Ferdinando Pennarola* : "Never give up! how to effectively respond to an m&a failure with a post-m&a recovery strategy"
- *Keld Laursen, Ram Mudambi, Larissa Rabbiosi* : "Time to give up? the speed of abandoning large-scale investments in an emerging market: the role of increased presence by competitors"

Discussant: Pedro de Faria, Ricardo Laverde

29 Geographies of innovation: Leaders and catalysts in regional development

Tuesday October 19 at 09:00 - 10:30, Room: SP214, Chair: Maral Mahdad 27

- *Frank Neffke, Riccardo Crescenzi, Arnaud Dyèvre* : "Innovation catalysts: how multinationals reshape the global geography of innovation"
- *Massimiliano Coda Zabetta, Keungoui Kim, Dieter Kogler* : "Knowledge specialization and novel innovations: the role of regional brokerage and collaboration intensity"
- *Kristina Andersen, Erik Rasmussen, Tage Madsen* : "Who takes the lead? an analysis of how organizational actors change in roles and importance throughout the early life cycle of the odense robotics cluster"

Discussant: Matthijs Janssen, Daniel Laufs

30 Eco-innovation: Market and labor market incentives

Tuesday October 19 at 09:00 - 10:30, Room: SP212, Chair: Natalie Carlson 34

- *Felix Bracht, Dennis Verhoeven* : "Air pollution and innovation"
- *Tobias Stucki, David Risi* : "«more flexibility, less sustainability» - how workforce flexibility influences sustainable practice implementation"
- *Maximilian Elsen* : "Innovation in climate-change mitigation technologies: a patent analysis"

Discussant: Vareska van de Vrande, Frank Van Rijnsoever

31 Markets for technology: Litigation

Tuesday October 19 at 09:00 - 10:30, Room: SP208, Chair: Namrata Malhotra 40

- *Jeroen Mahieu* : "Patent litigation, firm age, and high-tech employment"
- *Julia Mazzei, Arianna Martinelli, Daniele Moschella* : "Patent opposition and technology entry"

Discussant: Brian Silverman, Hamid Bekamiri

32 Open innovation: Stakeholders and intermediaries

Tuesday October 19 at 09:00 - 10:30, Room: SP207, Chair: Sara Blasco Román 46

- *Annalisa Caloffi, Ana Colovic, Federica Rossi, Margherita Russo* : "New business models for public innovation intermediaries in the internet of things innovation systems"
 - *Therese Figenschou, Jason Li-Ying, Anne Tanner, Marcel Bogers* : "Open innovation in the public sector: a systematic review"
 - *Camille Doche* : "The strategic influence of stakeholders on open science and innovation"
- Discussant: Isabel Bodas-Freitas, Hyunha Shin

33 Entrepreneurship: Legitimacy

Tuesday October 19 at 09:00 - 10:30, Room: SP114, Chair: Sunny Mosangzi Xu 52

- *Zahra Kashanizadeh, Saeed Khanagha, Porya Darnihamedani, Henk Volberda* : "Only time will tell! analysing legitimacy challenges of new internet of things ventures"
 - *Adam Frost, Sandeep Devanatha Pillai* : "Entrepreneurial strategies under extractive institutions"
 - *Elizaveta Makarova, Anne Ter Wal, Ileana Stigliani* : "Tell me if it feels right: entrepreneurial narrative (re-)construction through social interaction"
- Discussant: SZABOLCS Sebrek, Jose Arrieta

34 Policy: Procurement and R&D

Tuesday October 19 at 09:00 - 10:30, Room: SP112, Chair: Nina Bachmann 56

- *Bastian Krieger, Vera Zipperer* : "Does green public procurement trigger environmental innovations?"
 - *Maikel Pellens, Bettina Peters, Martin Hud, Christian Rammer, Georg Licht* : "Public r&d investment in economic crises"
 - *Dennis Verhoeven, Charlotte Guillard, Ralf Martin, Pierre Mohnen, Catherine Thomas* : "Efficient industrial policy for innovation: standing on the shoulders of hidden giants."
- Discussant: Pietro Santoleri, Ramana Nanda

35 Online platforms: User behavior

Tuesday October 19 at 09:00 - 10:30, Room: SP103, Chair: Wolf-Hendrik Uhlbach 64

- *Maren Mickeler, Pooyan Khashabi, Marco Kleine, Tobias Kretschmer* : "Under the radar: user anonymity in the design of organizational platforms"
- *Christoph Grimpe, Marion Poetz, Nathan Rietzler, Florian Waldner* : "The impact of cooperation in innovation contests: poison pill, placebo, or tonic?"
- *Tuong-Vi Quach, Nikolaus Franke* : "Money changes everything: antecedents, consequences, and moderators of user innovators' fairness perceptions when firms commercialize user innovations"

Discussant: Elena Novelli, Carmelo Cennamo

36 Labor and talent: Effects of international mobility

Tuesday October 19 at 09:00 - 10:30, Room: SPs13, Chair: Zhiyan Wu 67

- *Rainer Widmann, Gabriele Cristelli* : "Open-border policy and knowledge diffusion"
- *Ruth SAMSON, Nicolas Jonard, Laurent Bergé* : "Effects of employee mobility on innovation: evidence from the collapse of nortel networks"

Discussant: Cornelia Storz, Rita Bonvicini

37 Scientific practice: Role models and imprints

Tuesday October 19 at 15:00 - 16:30, Room: SPs12, Chair: Valentina Tartari 4

- *Hans Kongsted, Karin Hoisl, Myriam Mariani* : "Lost marie curies: family, education, and the probability of becoming an inventor"
- *Giovanna Capponi, Koen Frenken* : "Does academic inbreeding affect scientific success?"
- *Michael Rose, Laura Rosendahl Huber, Stefano Baruffaldi* : "The long-term role model effect of prizes to female scientists"

Discussant: Dennis Byrski, Ruusa Ligthart

38 Venture capital: Valuation and judgment

Tuesday October 19 at 15:00 - 16:30, Room: SPs03, Chair: Kimmo Karhu 8

- *Nataliya Wright, Rembrand Koning, Tarun Khanna* : "Judging foreign startups"
- *Theresa Veer, Katja Bringmann* : "Everything is (not) negotiable: supply and demand side gender bias in startup valuations"
- *Cornelia Storz, Daniel Ehnes, Lars Schweizer* : "Labor cost retrenchment and innovative firms"

Discussant: Heli Koski, Viktoriia Semenova

39 Search and learning: Attention and ideas

Tuesday October 19 at 15:00 - 16:30, Room: SP213, Chair: Yassine LAMRANI ABOU ELASSAD 15

- *Tom Grad, Christoph Riedl, Christopher Lettl* : "Sabotage and self-promotion: how strategic behaviors undermine idea selection"
- *Franziska Lauenstein, Stephan Billinger* : "Incentives, attention, and search: an eye-tracking experiment"

Discussant: Zahra Kashanizadeh, valentina Meliciani

40 Search and learning: Knowledge bases and technological domains

Tuesday October 19 at 15:00 - 16:30, Room: SPs14, Chair: M. Isabella Leone 19

- *Aliasghar Bahoo Torodi, Keld Laursen, Salvatore Torrisi* : "Technological and market capabilities of incumbent firms as sources of opportunities for spinouts"

- *Axel Zeijen, Luigi Marengo, Stefano Brusoni* : "Techno-organizational landscapes and malleable product architectures: the impact of digital technologies on the organization of production and innovation"
- *Sverre Ubisch, Pengfei Wang* : "Innovation on technological 'islands': domain contrast, boundary spanning, knowledge depth and breadth"

Discussant: Frank Neffke, Nicola Cortinovia

41 Geographies of innovation: Technological specialization and regional development

Tuesday October 19 at 15:00 - 16:30, Room: SP214, Chair: Pablo D' Este 26

- *Huiwen Gong, Christian Binz* : "Cumulative causation in regional industrial path development: a comparative case study of the video game industry in shanghai and hamburg"
- *Keungoui Kim, Hyunha Shin, Dieter Kogler* : "Relatedness and science change in region: the evolution of science space in the european regions"
- *Gianluca Orsatti, Francesco Quatraro, Sandro Montresor* : "Technological novelty and key enabling technologies: evidence from european regions"

Discussant: Massimiliano Mazzanti, Nuria Moratal

42 Eco-innovation: Investments, incubators and enactment

Tuesday October 19 at 15:00 - 16:30, Room: SP212, Chair: Stefano Benincasa 33

- *Frank Van Rijnsoever* : "Avenues for incubators to direct entrepreneurial ecosystems toward sustainability"
- *Marianna Marino, Kinga Tchorzewska, Pierpaolo Parrotta* : "The direct and indirect effects of environmental investment subsidies on green investment"
- *Leonhard Gebhardt, Katharina Hölzle, Nina Bachmann* : "'a change is gonna come'—enactment and representation of entrepreneurial contributions to sustainability transitions in entrepreneurial ecosystems"

Discussant: Aggelos Tsakanikas, Louise Lindbjerg

43 Markets for technology: The role of digitization

Tuesday October 19 at 15:00 - 16:30, Room: SP208, Chair: Ali Mohammadi 39

- *Benjamin Buettner, Emilio Raiteri, Murat Firat* : "Patents and knowledge diffusion - the impact of machine translation"
- *Thomas Schaper* : "Online repositories, search costs and cumulative innovation"

Discussant: Michael Ward, Tim Meyer

44 Open innovation: External search and knowledge type

Tuesday October 19 at 15:00 - 16:30, Room: SP207, Chair: Simona Negro 45

- *Russell Seidle* : "Searching wide and far: the relative use of distinct organizational learning types in high novelty innovations"

- *Mohammad Nasiri, Zi-Lin He, Geert Duysters* : "Cognitive distance dimensions and inter-firm learning: knowledge domain and knowledge architecture distance"
- *Tetyana Melnychuk* : "How degree of interdisciplinarity determines firms' technological novelty: investigating internal and external learning capabilities"

Discussant: Paul-Emmanuel Anckaert, Mariano Mastrogiorgio

45 The institutions of innovation: Gender and community

Tuesday October 19 at 15:00 - 16:30, Room: SP114, Chair: Agnieszka Nowinska 51

- *Zhiyan Wu, Lucia Naldi, Karl Wennberg, Timur Uman* : "The mighty girl: family vulnerability and gender homophily in male-led ventures"
- *Mercedes Delgado, Fiona Murray* : "Mapping the regions, organizations and individuals that drive inclusion in the innovation economy"
- *Edoardo Ferrucci, Francesco Rullani* : " re-designing knowledge production in the post-covid-19 era. a task-based approach"

Discussant: Stephane Lhuillery, Emma Lappi

46 Policy: R&D subsidies

Tuesday October 19 at 15:00 - 16:30, Room: SP112, Chair: Maureen Mckelvey 58

- *Kyle Myers, Lauren Lanahan* : "Estimating spillovers from publicly funded r&d: evidence from the us department of energy"
- *Philipp Boeing, Bettina Peters* : "Effectiveness and efficacy of r&d subsidies: estimating treatment effects with one-sided non-compliance "
- *Andrea Mina, Pietro Santoleri, Alberto Di Minin, Irene Martelli* : "The causal effects of r&d grants: evidence from a regression discontinuity"

Discussant: Elodie Carpentier, Enrique Acebo

47 Policy: Entrepreneurship policies

Tuesday October 19 at 15:00 - 16:30, Room: SP103, Chair: Rudi Bekkers 59

- *Natalie Carlson, Anselm Hager* : "Stay the course or start over? evidence from a randomized field experiment with entrepreneurs in zimbabwe"
- *Timon de Boer, Jip Leendertse, Frank Van Rijnsoever* : "Private (and public) investigations: how do public and private incubators change different types of institutions?"

Discussant: Hadar Gafni, Jason Li-Ying

48 Industrial dynamics: Sectoral perspectives

Tuesday October 19 at 15:00 - 16:30, Room: SPs13, Chair: Kyung Yul Lee 70

- *Georgios Tsiachtsiras* : "Transportation networks and the rise of the knowledge economy in 19th century france "

- *Aimilia Protogerou, Alexandra Kontolaimou, Yannis Caloghirou* : "Creative industries and resilience in times of crisis: the role of firm and entrepreneurial team characteristics"
- *Yunxiong Li, Andrea Ascani, Simona Iammarino* : "The material basis of modern technologies - a case study on rare metals"

Discussant: Vera Rocha, Cassandra Chambers

49 The digital economy: Artificial intelligence II

Tuesday October 19 at 15:00 - 16:30, Room: SPs10, Chair: Moritz Lubczyk 72

- *Roman Jurowetzki, Daniel Hain, Juan Mateos-garcia, Kostas Stathoulopoulos* : "The privatization of ai research(-ers): causes and potential consequences - from university-industry interaction to public research brain-drain?"
- *Sampsa Samila, Liudmila Alekseeva, Mireia Giné, Bledi Taska* : "Ai adoption and firm performance: management versus it"
- *Anika Stephan-Korus* : "How do established organization adapt to disruptive technologies and changing settings for more sustainability: a comparable study on dlt and ai technologies in the automotive sector."

Discussant: Alba Marino, Mareike Seifried

50 The digital economy: Adaption and transformation

Tuesday October 19 at 15:00 - 16:30, Room: SPs08, Chair: Tim Schweisfurth 75

- *Effie Kesidou, Halima Jibril, Stephen Roper* : "Do digital technologies enable firms to turn sustainability goals into innovation?"
- *Henry Lopez-Vega* : "The digital capability trap: emerging technology landscape and boundaries in the manufacturing industry"
- *Sophie Petzolt, Katharina Hölzle* : "Promotors in the digital age: exploring the role and activities of informal roles in incumbents' digital transformation"

Discussant: Silvia Rita Sedita, Yuan Yuan

Wednesday October 20

51 Scientific practice: The role of gender

Wednesday October 20 at 09:00 - 10:30, Room: SPs12, Chair: Raviv Murciano-Goroff 3

- *Marc Lerchenmueller, Leo Schmallenbach, Karin Hoisl* : "The effect of mentor gender on the evaluation of protégés"
- *Alessandro Muscio, Giovanna Vallanti* : "The gender gap in ph.d. entrepreneurship: together we stand, divided we fall"
- *Raffaele Mancuso, Chiara Franzoni, Cristina Rossi-lamastra* : "Topic choice and the underfunding of female scholars in mission-oriented research"

Discussant: Sheryl Winston Smith, Philipp Boeing

52 Venture capital: Acquisitions and performance

Wednesday October 20 at 09:00 - 10:30, Room: SPs03, Chair: Semi Min 9

- *Ron Rabi, Annamaria Conti, Jorge Guzman* : "Herding in the market for startup acquisitions"
- *Christopher Sabel, Francesco Di Lorenzo* : "Are sharks more dangerous at dusk or dawn? timing of cvc investments and ventures' commercial performance"
- *Heli Koski* : "Killers on the road of emerging start-ups - implications for market entry and venture capital financing"

Discussant: Federico Tamagni, Sandeep Devanatha Pillai

53 Search and learning: Evaluation of projects and ideas

Wednesday October 20 at 09:00 - 10:30, Room: SP213, Chair: Jussi Heikkilä 14

- *Renate Kratochvil, Claudio Biscaro, Esther Tippmann, Phillip Nell, Andrew Parker* : "Cum grano salis, with a grain of salt. gender differences in the involvement of superiors in problem formulation."
- *Johanna Schnier, Christina Raasch, Ferdinando Patat* : "The sky is the limit: evaluation bias against large projects"
- *Tim Schweisfurth, Silke Tegtmeier, Oliver Niebuhr* : "How money talks: speech melody and venture evaluation"

Discussant: Ankur Chavda, Giacomo Domini

54 Innovation strategy: Technology adoption

Wednesday October 20 at 09:00 - 10:30, Room: SPs14, Chair: Thomaz Teodorovicz 22

- *Gianluigi Giustiziero, Aseem Kaul, Dirk Martignoni* : "Adaptation with complexity and competition"
- *Dennis Byrski, Fabian Gaessler, Stefano Baruffaldi* : "Fire and mice: the effect of supply shocks on research technology adoption"
- *Markus Trunschke, Bettina Peters* : "Choosing technologies: benefits of investing into the development of fourth industrial revolution technologies"

Discussant: Annalisa Caloffi, Matthijs Punt

55 Geographies of innovation: Proximities and collaboration

Wednesday October 20 at 09:00 - 10:30, Room: SP214, Chair: Tom Neuhauser 25

- *Francesca Ghinami, Sandro Montresor* : "Proximities and access to venture capital: evidence from italian innovative startups"
- *Eugenia Perez Vico, Jonas Gabrielsson, Diamanto Politis* : "Configurations of proximities in collaborative r&d projects as drivers of radical innovation"

- *Maria Luisa Mancusi, Nicoletta Corrocher* : "International collaborations in green energy technologies: what is the role of distance in environmental policy stringency?"

Discussant: Marco Giarratana, Ernest Miguelez

56 Industrial dynamics: Innovation performance

Wednesday October 20 at 09:00 - 10:30, Room: SP212, Chair: Stephen Impink 32

- *Phuong Anh Duong, Wim Voordeckers, Jolien Huybrechts, Frank Lambrechts* : "When less is more and when less is less: resource constraints and radical innovation in family firms and non-family firms"
- *Moritz Lubczyk, Bettina Peters* : "Incumbents and entrants as carriers of innovation and productivity growth"
- *Hugo Castro Silva, Tiago Fonseca, Francisco Moita* : "Juggling product and process innovation: the role of firm size in innovation performance"

Discussant: Araksya Ayvazyan, Jeroen Mahieu

57 Markets for technology: IP strategies

Wednesday October 20 at 09:00 - 10:30, Room: SP208, Chair: Susanne Beck 36

- *Gaétan de Rassenfosse, Gaétan de Rassenfosse* : "Patents and supra-competitive prices: evidence from consumer product"
- *Cesare Righi, Tim Simcoe* : "Patenting inventions or inventing patents? strategic use of continuations at the uspto"
- *M. Isabella Leone, Edoardo Ferrucci, Salvatore Torrisi* : "Are policy-endorsed patents more valuable and impactful on follow on technological trajectories? the impact of the "licensing of right" policy in germany"

Discussant: Arman Aksoy, Liisa Välikangas

58 Open innovation: Innovation in networks

Wednesday October 20 at 09:00 - 10:30, Room: SP207, Chair: Thomas Olesen 44

- *Philipp Heß, Magnus Buggenhagen* : "Innovation in standardization networks: the effect of brokerage and technological distance"
- *Anne Ter Wal, Paola Criscuolo, Ammon Salter* : "Temporal balancing: the timing of network mobilization across the idea journey "
- *Jitse Duijsters, Vareska van de Vrande, Pursey Heugens, Justin Jansen, Rene Bakker* : "Accused yet desired: when do firms avoid network retaliation after allegations of opportunistic behavior?"

Discussant: Christopher Esposito, Désiré Agossou

59 Entrepreneurship: Protensities to collaborate

Wednesday October 20 at 09:00 - 10:30, Room: SP114, Chair: Tina Ambos 50

- *Philip Steinberg, Michael Wyrwich, Florian Noseleit, Pedro de Faria* : "Is cooperation behavior imprinted in new ventures? evidence from a natural experiment"
- *Shweta Gaonkar, Mahka Moeen* : "Standing on the parent's shoulder or in its shadow? alliance partner overlap between employee spinouts and their parents "
- *Julian Giessing* : "Are startups the better vcs? evidence from startups investing in other startups."

Discussant: Pontus Braunerhjelm, Sverre Ubisch

60 Policy: Mission-oriented policy

Wednesday October 20 at 09:00 - 10:30, Room: SP112, Chair: Dandan XIA 57

- *Matthijs Janssen, Joeri Wesseling, Jonas Colen Torrens, Matthias Weber, Laurens Klerkx, Caetano Penna* : "Missions as boundary objects for transformative change: understanding coordination across policy, research and stakeholder communities"
- *Gianluca Pallante, Emanuele Russo, Andrea Roventini* : "Does mission-oriented funding stimulate private r&d? evidence from military r&d for us states"
- *Remi Elzinga, Matthijs Janssen, Simona Negro, Marko Hekkert* : "Mission-oriented innovation systems dynamics in the circular economy"

Discussant: Jacob Holm, Camille Doche

61 Online platforms: Awards, compliments and motivation

Wednesday October 20 at 09:00 - 10:30, Room: SP103, Chair: Joy Wu 63

- *Silvia Rita Sedita, Silvia Blasi, Benedetta Crisafulli* : "An exploration of the determinants of success in crowdsourcing initiatives: is it more a matter of user talent or engagement?"
- *Max Mulhuijzen, Jeroen de Jong* : "Users complementing producer products: an analysis of contributions by professionals and hobbyists"
- *Alexander Staub, Tom Grad, Christopher Lettl* : "Symbolic awards in online communities: evidence from a natural experiment"

Discussant: Aimilia Protogerou, Bill Schulze

62 Labor and talent: The organization and flow of workers

Wednesday October 20 at 09:00 - 10:30, Room: SPs13, Chair: Julia Mazzei 68

- *Fakher Omezzine, Isabel Bodas-Freitas* : "Quantity, variety, or both? "r&d worker flows, diversity, and effects on technological performance""
- *Nicola Cortinovis, Frank van der Wouden* : "Better by design? collaboration and performance in the board-game industry"
- *Agnieszka Nowinska, Marta Dowejko* : "Let's move together: agency, social capital and multiple paths leading to comobility"

Discussant: Aliasghar Bahoo Torodi, Mirva Peltoniemi

63 The digital economy: Skills and organization of work

Wednesday October 20 at 09:00 - 10:30, Room: SPs08, Chair: Tobias Stucki 74

- *Mareike Seifried* : "From offline to online labor markets: the relationship between freelancers' prior offline and online work experience"
- *Valeria Cirillo, Lucrezia Fanti, Andrea Mina, Andrea Ricci* : "Digitizing firms: skills, work organization and the adoption of new enabling technologies"
- *Artur Santoalha, Davide Consoli, Fulvio Castellacci* : "Digital skills, relatedness and green diversification: a study of european regions"

Discussant: Chiara Marzocchi , Robert Hassink

64 Scientific practice: Interdisciplinarity and collaboration

Wednesday October 20 at 15:00 - 16:30, Room: SPs12, Chair: Matheus Leusin 2

- *Pablo D' Este, Nicolás Robinson-García* : "Interdisciplinary research and the societal visibility of science: the advantages of spanning multiple and distant scientific fields"
- *Hyunha Shin, Keungoui Kim, Dieter Kogler* : "Science collaboration, research funding, and novelty in scientific knowledge"
- *Daniel Laufs, Tetyana Melnychuk, Carsten Schultz* : "The double-edged sword of interdisciplinary research - knowledge recombination for a successful research publication"

Discussant: Elena Cefis, Jarno Hoekman

65 Venture capital: Corporate investors and social capital

Wednesday October 20 at 15:00 - 16:30, Room: SPs03, Chair: Romeo Turcan 7

- *Thomas Rã, nde, Francesco Di Lorenzo* : "The darkside of corporate venture capital: a theoretical framework"
- *Damiano Maria Morando, Anne Ter Wal, Stefano Breschi* : "Showcasing strategies in entrepreneurs' quest for venture capital funding: evidence from twitter"
- *Sheryl Winston Smith* : "Spanning two worlds? corporate accelerators and corporate venture capital in innovation portfolios"

Discussant: Fabian Gaessler, Mathias Beck

66 Organizational behavior: The organisation of innovation activities

Wednesday October 20 at 15:00 - 16:30, Room: SP213, Chair: Susanne Kurowski 11

- *Jiho Yang, Paola Criscuolo* : "Organization structure of development and firm innovation"
- *Katherine Tatarinov, Tina Ambos, Julian Birkinshaw* : "The relational value of innovation units"
- *Ed Saiedi, Simon Okwir, Vikash Sinha* : "Innovation configurations and firm performance: an fsqca approach"

Discussant: Roman Jurowetzki, Katharina Hölzle

67 Search and learning: Failure and success

Wednesday October 20 at 15:00 - 16:30, Room: SPs14, Chair: Pedro Mesquita 20

- *Kyung Yul Lee, Hyun Ju Jung, Youngsun Kwon* : "Performance feedbacks and new recombination: evidence from consistent success vs. recent failure in the smartphone industry"
- *Priit Vahter, James Love, Stephen Roper* : "Do firms really learn from failure? the dynamics of abandoned innovation"
- *Bill Schulze, Ryan Angus, Matt Barlow* : "Do entrepreneurs learn from failure: the perils of persistence"

Discussant: Diego Zunino, Francesca Ghinami

68 Ecosystems: Innovation systems

Wednesday October 20 at 15:00 - 16:30, Room: SP214, Chair: Raffaele Mancuso 30

- *Dieudonnee Cobben, Ward Ooms, Nadine Roijakkers* : "Indicators for innovation ecosystem health: a delphi study "
- *Adriaan van der Loos, Koen Frenken, Simona Negro, Marko Hekkert* : "On the resiliency of innovation systems"

Discussant: Anders Broström, Petros Dimas

69 Industrial dynamics: Performance and growth

Wednesday October 20 at 15:00 - 16:30, Room: SP212, Chair: Agnes Guenther 31

- *Federico Tamagni, Giulio Bottazzi, Taewon Kang* : "Persistence in firm growth: an intra-distributional analysis"
- *Agnieszka Nowinska, Thomas Olesen* : "Survival, performance, and heterogeneity of push-induced corporate spin-offs"
- *Ricardo Laverde* : "The effect of import competition on related diversification and performance"

Discussant: Alessandro Muscio, Subhan Shahid

70 Markets for technology: Patent disclosures

Wednesday October 20 at 15:00 - 16:30, Room: SP208, Chair: Timon de Boer 38

- *Luca Gius* : "Arrow's disclosure paradox and the inequality of ideas"
- *Dandan XIA* : "Patent disclosure and firm new product performance - evidence from china"
- *Alexandra Zaby, Diana Heger* : "Patent disclosure, legal rules, and cumulative innovation"

Discussant: Sandro Montresor, Marilyne Chicoine

71 Open innovation: Internal-external interfaces

Wednesday October 20 at 15:00 - 16:30, Room: SP207, Chair: Martin Queißner 42

- *Luis Rios, Nicholas Argyres, Brian Silverman* : "Internal network structure as an innovation appropriation mechanism"
- *Federica Ceci, M. Isabella Leone, valentina Meliciani* : "The impact of internal and external dimensions on open innovation implementation: a mixed-method study"
- *Sunny Mosangzi Xu, Marcel Bogers* : "Managing exploration-exploitation processes in interorganizational project at the temporary-permanent interface"

Discussant: Kristina Andersen, Therese Figenschou

72 Entrepreneurship: Startup strategy

Wednesday October 20 at 15:00 - 16:30, Room: SP114, Chair: Christopher Sabel 49

- *Martin Murmann, Christoph Grimpe, Nathan Rietzler, Wolfgang Sofka* : "Digitalization in startups and the proclivity to professionalize - ignorance is bliss?"
- *Anisa Shyti, Amir Sasson, Corina Paraschiv* : "The priceless entrepreneur? a behavioral account on skill and ambiguity premia"

Discussant: Cornelia Lawson, Benjamin Buettner

73 Scientific practice: Collaborative practices

Wednesday October 20 at 15:00 - 16:30, Room: SP112, Chair: Sofie Dalum 54

- *Susanne Beck, Marcel LaFlamme, Robin Brehm, Marion Poetz* : "Exploring organizational design for openness and collaboration in scientific organizations"
- *Valentina Tartari, Anne Ter Wal, Balint Dioszegi, Maureen Mckelvey* : "Bridging the gap: boundary spanners' selective network mobilization across the industry-academia divide"
- *Renate Kratochvil, Ragnhild Kvålshaugen* : "The trapped researcher and the paradox of relevance - an ethnographic study about a practitioner-researcher collaboration "

Discussant: Martin Kalthaus, Markus Simeth

74 Online platforms: Effects and externalities

Wednesday October 20 at 15:00 - 16:30, Room: SP103, Chair: Maximilian Elsen 62

- *Tim Meyer, Carmelo Cennamo, Erdem Yilmaz* : "Platform-based disruption: the dual effect of digital platforms on incumbent firms "
- *Kimmo Karhu, Mikko Heiskala, Paavo Ritala, Llewellyn Thomas* : "Platform externalities: beyond the n in network effects"

Discussant: Hans Kongsted, Thomas Schaper

75 Labor and talent: Inventors and R&D workers

Wednesday October 20 at 15:00 - 16:30, Room: SPs13, Chair: Rand Gerges-Yammine 69

- *Christopher Esposito, Frank van der Wouden* : "Learning, fast and slow: the returns to experience and team size for high-impact innovation in the united states between 1836 and 1975"
- *Chungeun Yoon, Kirk Doran* : "Immigration and invention: evidence from the quota acts"
- *Paul-Emmanuel Anckaert, Wolf-Hendrik Uhlbach* : "In search of new knowledge: when does hiring foreign r&d workers foster exploration?"

Discussant: Klaus Keller, Ron Rabi

76 Labor and talent: Effects on skills, equality and FDI

Wednesday October 20 at 15:00 - 16:30, Room: SPs08, Chair: *Raphaela Andres* 73

- *Mattia Pedota, Luca Grilli, Lucia Piscitello* : "Technology adoption and upskilling in the wake of industry 4.0"
- *Giacomo Domini, Marco Grazzi, Daniele Moschella, Tania Treibich* : "For whom the bell tolls: the effects of automation on wage and gender inequality within firms"
- *Massimiliano Coda Zabetta, Ernest Miguelez, Francesco Lissoni, Sarah Hegarty* : "Foreign managers and the direction of fdis: firm-based evidence"

Discussant: Alexander Staub, Gianluca Pallante