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SDC

The university partnership
Denmark - China

Embracing Emerging Technologies: Strategies for Navigating the Path to Sustainability

CICALICS 2023

RESEARCH WORKSHOP PROGRAMME

November 22-24
Phd Academy

November 25-26
Research workshop



RESEARCH WORKSHOP

NOVEMBER 25-26, 2023

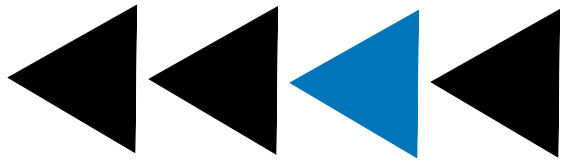
欢迎 WELCOME

to the China Innovation Circles and Academy – Learning, Innovation and Competence Systems (CICALICS) research workshop 2023!

This year we would like to put more emphasis on the role of emerging technologies in addressing the sustainability challenges. In recent years, the nexus of emerging technologies and sustainability has emerged as a critical area. With the world facing pressing challenges related to climate change, sustainable social and economic development, the role of cutting-edge technologies in addressing these issues cannot be overstated.

Emerging technologies such as artificial intelligence, blockchain, renewable energy systems, and advanced materials hold immense promise in revolutionizing how we approach sustainability. These technologies offer the potential to enhance resource efficiency, reduce environmental impacts, and create innovative solutions for complex sustainability problems. Moreover, they enable data-driven insights and predictive capabilities that empower managers and policy makers to make informed choices for a more sustainable future. In the quest to achieve this, understanding the potential and limitations of emerging technologies in the context of sustainability is not only essential but also pivotal in shaping a more environmentally responsible and resilient world. Moreover, the role of IP management in this process is not to be underestimated and should be one of the focal points of the discussion.

With this background in mind, CICALICS Workshop 2023 aims at discussing the current trends in emerging technologies and their role in sustainability as well as probing for their future both from the research and practice perspectives.



EVENT FLOW

DAY 01

NOVEMBER 25
SATURDAY

08:30

/

09:30

SDC Atrium

REGISTRATION

09:30

/

10:00

SDC
Auditorium

WELCOME SPEECHES

Zhengyi Hu

Principal Director and Vice Dean of SDC

Morten Laugesen

Executive Director of SDC

Hong Zhao (Professor and Principal
Coordinator of Social Sciences
Programmes at SDC, UCAS)

Stine Haakonsson (Associate Professor and
Principal Coordinator of Social Sciences
Programmes at SDC, CBS)

10:00

/

10:30

SDC
Auditorium

KEYNOTE 1:

The Development and Governance of Emerging Technology: AI as an Example

Zheng Liang (Professor, Tsinghua University)

DAY 01

NOVEMBER 25

SATURDAY

Cont.d

10:30

/

11:00

SDC

Auditorium

KEYNOTE 2:**Varieties of National and Regional
Innovation Systems around the World:
Catch-up by Latecomers**

Keun Lee (Professor, Seoul National University)

11:00

/

11:30**GROUP PHOTO****TEA / COFFEE BREAK**

SDC Atrium

11:30

/

12:00

SDC

Auditorium

KEYNOTE 3:**The Future of International Innovation
System: Some Observations**

Xudong Gao (Professor, Tsinghua University)

12:00

/

12:30

SDC

Auditorium

KEYNOTE 4:**How does Tolerance for Failure Impact
Innovation?**Zhijian Cui (Professor, University of Science and
Technology of China)**12:30**

/

14:00

ICC

Restaurant

LUNCH BREAK**14:00**

/

16:30

SDC

Auditorium

**PANEL DISCUSSION ON IP AND EMERGING
TECHNOLOGIES FOR SUSTAINABILITY**Facilitated by Can Huang (Professor, Zhejiang
University) and Wen Xiang (Associate Professor,
Copenhagen University)

DAY 01

NOVEMBER 25

SATURDAY

Cont.d

- **AI, Data Protection and IP in Practice**
CHEN Wenxuan, Principal of Saelink Law Firm
- **Open License for Green Patents: Practices, Problems and Proposals**
WANG Anna, Suzhou University of Science and Technology
- **The Judicial Protection of IP Rights in Hainan Free Trade Port**
HUANG Jiachen, Judge, High People's Court of Hainan Province
- **The Ability and Inability of Compliance Technology and Legal Response: The Case of Privacy-preserving Computation**
LIANG Deng, Partner, J&J Law Firm
- **Unleashing the Potential: Embracing the Power of Generative Artificial Intelligence in the Legal Realm**
WANG Zaicheng, Zhicha Tech and YANG Bin, Zhejiang University

16:30

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17:30

SDC

Building

NETWORKING AND SDC TOUR

18:00

/

20:00

WORKSHOP DINNER FOR INVITED GUESTS AT SUNRISE KEMPINSKI

DAY 02

NOVEMBER 26
SUNDAY

08:15

/

09:15

SDC Atrium

REGISTRATION

09:15

/

09:45

SDC
Auditorium

**DAY 1 RECAP AND OPENING
OF DAY 2**

09:45

/

10:15

SDC
Auditorium

KEYNOTE 1:

**Circular Economy – Exploring the
Contribution by Design and Designers**

Olav Jull Sørensen (Senior Research
Coordinator at Access2Innovation, Emeritus
Professor of International Business, Co-
Founder and Former Head of Innovation
Management programme)

10:15

/

10:45

SDC
Auditorium

KEYNOTE 2:

**UNESCO Report on Neurotechnology
Mapping**

Roman Jurowetzki (Associate Professor,
Aalborg University)

10:45

/

11:30

SDC Atrium

GROUP PHOTO

TEA / COFFEE BREAK

DAY 02

NOVEMBER 26
SUNDAY
Cont.d

11:30
/
13:00

SDC
Auditorium

PANEL DISCUSSION ON EXPLORING THE IMPACT OF AI ON ACADEMIC RESEARCH

Facilitated by Roman Jurowetzki (Associate Professor, Aalborg University)

- **Revolutionizing Academic Research with Custom Large Language Models (LLMs)**
Primož Konda, Post doc, Aalborg University
- **Human-in-the-loop AI for technology forecasting and product planning**
Sungjoo Lee, Professor, Seoul National University
- **AI in Organizational Behaviors Research**
Xiumei Zhu, School of Economics and Management & SDC, University of Chinese Academy of Sciences
- **The Intelligent Support System and Applications**
Yufei Liu, Chinese Academy of Engineering

13:00
/

14:15
ICC
Restaurant

LUNCH BREAK

14:15
/
16:15

SDC
Auditorium

WORKSHOP PAPER PRESENTATIONS IN FOUR PARALLEL TRACKS

TRACK 1: Track Chair - Dmitrij Slepnirov, Aalborg University

1. Is R&D Volatility Conducive to Innovation?
Distinguishing The Antecedents of Volatility
by **Tianxiu Zhang, University of Science and Technology of China**
2. The Dark Side of Service Ecosystems: Value Co-Destruction in The Value Process of Open Banking
by **Sascha Struwe, Dmitrij Slepnirov and Svetla Marinova**

DAY 02

NOVEMBER 26

SUNDAY

Cont.d

SDC
Lecture
room

3. How the Alignment between a Designer's Social Status Perception in the rganization and the Expectation of the Top Management Influences a Firm's Financial and Product Development Performance
by **Chenliang Li**

TRACK 2: Track Chair - Shahamak Rezaei, Roskilde University

1. Scaling Sustainable Ecosystems for Corporate Nonmarket Leverage
by **Sergei Mozheiko**, Kristian J. Sund and Johannes Kabderian Dreyer
2. A Tale of Two Ties: The Impact of a Focal City's Direct and Indirect Collaboration Networks on Regional Innovation
by **Qinjie Yang**, Cong Cao, Jioae Wang, Zhijing Zhu
3. Minimum Viable Ecosystem Through Collaborative University Industry PhD projects
by **Arnthor Gunnarsson**

Room
204

TRACK 3: Track Chair - Xiumei Zhu, UCAS

1. From Catch-Up to Forging Ahead Through (Green) Windows of Opportunity: China and The Rare Earth Elements
by **Mihaela Gaglioti Roibu** and Stine Haakonsson
2. Predictive Analysis of Carbon Emission Trading in China: An Integrated Approach
by **Kasper Haurum and Ruiqi Ma**
3. Building a Framework for the Collaborative Ecosystem of Smart Cities
by **Yue Guo**

Room
301

TRACK 4: Track Chair - Daojuan Wang, Aalborg University

1. Talk the Walk or Walk the Talk? A Configurational Perspective on The Determinants of CSR Decoupling
by Jialing Wu and **Daojuan Wang**
2. Responsible Digitalization for Sustainable Business: Unveiling the Impact on CSR Disclosure Quality
by Ximing Yin, **Tailun Chen**, Jun Jin, Ningyue Liu

DAY 02

NOVEMBER 26

SUNDAY

Cont.d

16:15

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16:30

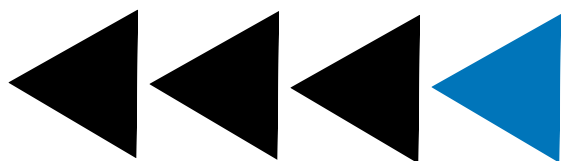
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3. Niche Defining to Niche Embracing in Technological Convergence: Exploring Convergence Stages in The Biochip Sector

by Qiuya Song

**CLOSING CEREMONY AND
BEST WORKING PAPER AWARD**



KEYNOTE SPEAKERS AND PANEL FACILITATORS



LIANG Zheng now serves as the Professor of the School of Public Policy and Management at Tsinghua University, as well as the research fellow and vice president of the Institute for AI International Governance, Tsinghua University (AIGI). He is the director of the Research Center on AI Governance at Tsinghua, and the research fellow and deputy director of the China Institute for Science & Technology Policy at Tsinghua University (CISTP). He earned his doctorate in economics from Nankai University in 2003 and completed the senior executive training program on leadership at the Kennedy School of Government, Harvard University, in 2010. He spent one year as the Fulbright Visiting Research Scholar at the MIT Industrial Performance Center (MIT IPC) in 2012. His current research focuses on Science, Technology, and Innovation Policy, Globalization of R&D, IPRs and Standardization, Emerging Technology, and Innovation Governance, among other areas. In addition to academic publishing in peer-reviewed journals such as National Science Review, Regional Studies, Journal of Informetrics, Industry and Corporate Change, and World Economy, he has participated in important research projects, such as the Strategic Research for National Medium and Long-Term Science and Technology Development Program (MLP) of China. He was a member of the National Innovation Survey Expert Group (2014-2017) and the Sino-US Innovation Dialogue Expert Group (2015-2018).

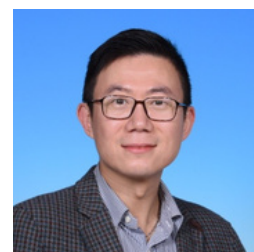
Keun Lee is a Distinguished Professor of Economics at Seoul National University, a Fellow of CIFAR (Canada), and the chairman of the Center for Economic Catch-up. He is also an editor of Research Policy and an associate editor of Industrial and Corporate Change. He won the 2014 Schumpeter Prize for his monograph on Schumpeterian Analysis of Economic Catch-up (2013, Cambridge Univ. Press) and the 2019 Kapp Prize by EAEPE. He was also awarded the title of EBES Fellow of the Year 2023 by EBES. He writes regularly for Project Syndicate. Previously, he served as the Vice-chairman of the National Economic Advisory Council for the chair and President of Korea, as the President of the International Schumpeter Society (2016-18), a member of the Committee for Development Policy of the UN (2013-18), and a GFC member of the World Economic Forum (2016-19). He obtained his Ph.D. in economics from the University of California, Berkeley. His total citations received are about 12,650 with an H-index of 53 and an I-10 index of 141 (Google Scholar).





Xudong Gao is a professor in the School of Economics and Management (SEM) at Tsinghua University. He also serves on the Information Economy Expert Committee of the Ministry of Industry and Information Technology, People's Republic of China. He holds a Ph.D. from the MIT Sloan School of Management (2003), an M.A. from Renmin University of China (1991), and a B.E. from Harbin Institute of Technology (1988). Professor Gao offers courses such as Technology Strategy, Managerial Thinking, Strategic Management, and High Tech Entrepreneurship. His major research interests are in technology strategy, management of technological innovation, and strategic management. He has published 18 papers in English (including one reprint) in journals such as Research Policy, Cambridge Journal of Regions, Economy and Society, Telecommunications Policy, Research Technology Management, International Journal of Technology Management, Industry and Innovation, Journal of Technology Transfer, etc., and more than 50 papers in Chinese journals.

Zhijian Cui is a Professor of Business Administration, Doctoral Adviser, and Director of the MBA Program at the School of Management, University of Science and Technology of China. He was selected for the "Anhui Province Hundred Talents Plan" in 2020 and served as the Chair of the Technology, Innovation Management, and Entrepreneurship Society at INFOMRS from 2017 to 2019. Before moving back to China in 2019, he held a tenured Associate Professor position at IE Business School in Spain, served as an Associate Professor and Head of the Marketing and Operations Management department at Nazarbayev University Graduate School of Business in Kazakhstan, and was a visiting Assistant Professor at Hong Kong University of Science and Technology Business School. His work has appeared in leading journals, including Production and Operations Management, Decision Sciences, and IEEE Transactions on Engineering Management, among others. Zhijian holds a Ph.D. in Management from INSEAD (Fontainebleau), an MBA from Pepperdine University (Malibu), an MS in Management from Euromed Marseille Ecole de Management (Marseille), and a Bachelor's in Engineering from Tsinghua University (Beijing).



Wen Xiang is an associate professor at iCourts (Centre of Excellence for International Courts), Faculty of Law, University of Copenhagen. He is currently a visiting professor at the Department of Law, Roma Tre University, and a visiting scholar at UNIDROIT (The International Institute for the Unification of Private Law). His research and professional focus are on IP and Innovation, sustainable investment practices, and risk management, with a specific emphasis on Environmental, Social, and Governance (ESG) investing of China's outward investments along with the Belt and Road Initiative, as well as digital law and legal compliance in recent years. He has taught at Harvard Kennedy School, Tsinghua University Law School, Renmin University of China Law School, Sino-Danish Center, and the University of Warsaw Faculty of Law and Administration, among others. He was a visiting scholar at Duke University School of Law and a research fellow at the Centre for International Sustainable Development Law in Canada. He has worked at the World Health Organization and the European Commission, and as a consultant, he has extensive collaboration with the private and public sectors in China and Europe. He has attended law schools in China, Europe, and the U.S., and he received his Ph.D. in Law from the University of Ghent.



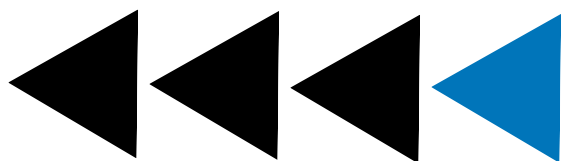
Can Huang is a Professor and the Associate Dean of the School of Management at Zhejiang University, Hangzhou, China. He is also the Executive Deputy Director of the National Institute for Innovation Management and Co-Director of the Institute for Intellectual Property Management at the School of Management, Zhejiang University. He is a Youth Chang Jiang Scholar awarded by the Ministry of Education of China. Additionally, he is a member of the Global Future Councils of the World Economic Forum, the technical committee of the ISO 56000 Innovation Management Standard, and the National Knowledge Management Standardization of China. He serves as an Associate Editor of *Technovation* and the Deputy Editor of *Management and Organization Review*. Prof. Can Huang's research interests include innovation management, intellectual property rights, and science and technology policy.

Olav Jull Sørensen, born in 1943, is an Emeritus Professor of International Business. He was attached to Aalborg University as a professor since 1991 and served as the Head of the International Business Centre (IBC) from its establishment in 1984 to 2016. His main research interests include the Internationalization of Companies, International/Global Industrial Dynamics and Value Chains, Government-Business Partnership, and, of late, the circular economy at the firm level and from an innovation/design perspective. These topics are researched in both developed and developing/transition country perspectives.

He has been a lead scholar in research, capacity building, and educational projects in Africa (Ghana, Tanzania), Eastern Europe (Lithuania), Russia, and Asia (Vietnam and China). Olav has also served as a chairman and member of the Academic Council for Social Sciences at Aalborg University. From 2010 to 2016, he headed and coordinated the Sino-Danish Center (SDC)-Innovation Management program in China, which included a graduate program, a research program, as well as collaboration with the business community in China. As an Emeritus, he remains active in projects in Tanzania (PhD capacity building) and Bangladesh (sustainable garment industry).



Roman Jurowetzki is an Associate Professor of Innovation Studies and Applied Data Science at Aalborg University Business School, specializing in Natural Language Processing and AI technology. He co-founded the Business Data Science program and teaches courses in Data Science at Aalborg University, Copenhagen Business School, and the University of Strasbourg. He is a lead for the AI Denmark project, that plays a pivotal role in promoting AI and Machine Learning among small and medium-sized companies in Denmark. Additionally, he currently collaborates with UNESCO on the ethics of neurotechnology initiative, focusing on understanding and mapping technological developments for evidence-based regulation.



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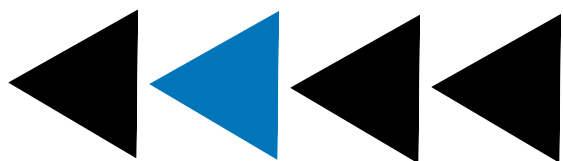
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