

# CENTRE FOR INNOVATION MANAGEMENT RESEARCH

Annual Report 2021

[bbk.ac.uk/cimr](http://bbk.ac.uk/cimr)

BIRKBECK, UNIVERSITY OF LONDON

# CONTENTS

<a href="#"><u>Who We Are</u></a> .....	3
<a href="#"><u>From the Director</u></a> .....	4
<a href="#"><u>News and Appointments</u></a> .....	7
<a href="#"><u>Editorships, Editorial Boards and Research Committees</u></a> .....	7
<a href="#"><u>Research Highlights and Projects</u></a> .....	10
<a href="#"><u>Current External Grants</u></a> .....	13
<a href="#"><u>Current Birkbeck Grants</u></a> .....	15
<a href="#"><u>Keynotes, Invited Presentations and Conferences</u></a> .....	16
<a href="#"><u>CIMR Events 2021</u></a> .....	19
<a href="#"><u>CIMR Blogs</u></a> .....	30
<a href="#"><u>CIMR Podcasts</u></a> .....	32
<a href="#"><u>Interaction with Business, Society and Policymakers (Impact)</u></a> .....	34
<a href="#"><u>Research Output</u></a> .....	38
<a href="#"><u>CIMR PhD Student News</u></a> .....	46
<a href="#"><u>Innovation Teaching in CIMR</u></a> .....	47

# WHO WE ARE

The Centre for Innovation Management Research (CIMR) is a College-wide research centre. Launched in 2008, its members are drawn from a variety of disciplines, from Management and other social sciences to Computer Science and Biology.

Thematically it encompasses science, innovation and technology systems, intellectual property rights, markets, social capital, entrepreneurship, globalisation and gender in both theory and practice. Analysis and communication of the implications of our research for policy-making (for governments and businesses) are central to the Centre's activities.

CIMR's members belong to four categories. The strength of the Centre comes from their interactions:

[Academic staff](#) are the core members of the Centre. They are responsible for the advancement of one or more of our specific research themes. They publish cutting edge articles in the world's leading journals and work closely with stakeholders.

[PhD students](#) are an essential component in the Centre's membership. Their affiliation is based on their being either first or second supervised by a core member of the CIMR academic staff. In practice, this means those in the Management Department, however all PhD students who are supervised by CIMR academic staff are invited to attend – e.g. those in Economics, Computer Science and the School of Science.

[Visiting Fellows](#) are special assets for the Centre. They are colleagues who work closely with the CIMR. They include entrepreneurs, policy-makers, business people, academics in other UK universities, and academics who work outside the UK, including France, Germany, Ireland, Italy, Sweden and the US.

[Alumni](#) are former Masters and PhD students working in the field of innovation and entrepreneurship. They have varied career experiences. Their continued involvement brings current ideas and insights to our programme and several of them give guest lectures on our teaching programmes.

## FROM THE DIRECTOR

2021 was a very successful year for CIMR. CIMR's contribution to societal knowledge and understanding and influencing thinking continues to grow through our path-breaking research and analysis. We have continued our very successful programme of events and have grown more sophisticated in disseminating what we know and what we do.

Our flagship programme of events, CIMR Debates in Public Policy, brings together our community of scholars, students, policy-makers, professionals, entrepreneurs and innovators to debate contemporary issues and to engage with wide audiences in the UK and worldwide. In 2021, there were thirteen online events plus a wonderful alumni event in December, [\*A Conversation with Touker Suleyman of Dragons' Den\*](#), organised by Melina Padayachy and Doyin Olorunfemi.

A feature of this year has been the development of new partnerships that have taken us in exciting new directions. The basis of this is research and the possibilities that have arisen from colleagues already within the CIMR community.

Four developments are of note:

- First, our commitment to equality, diversity and inclusion has been consolidated through research funded by the Regional Studies Association on networks which support disabled and ethnically diverse entrepreneurs. This has led to two new Visiting Fellows joining us, a series of events, a body of new stakeholders who took part in that research as well as two dedicated websites that record our activities.
- Second, CIMR is increasingly internationally collaborative. We are building on our collaborations with the Kogod School of Business, American University and Circle, Lund University with a new formal collaboration with Vaasa University in Finland which ties in our long term colleague Martin Meyer with our new colleague, Ben Laker, Henley School of Business. Exploration of a collaboration with Surrey University is also underway.
- Third, CIMR played a key role in Birkbeck's [School of Business, Economics and Informatics](#) being awarded the [Small Business Charter](#) accreditation in December. As well as the outstanding support given to student entrepreneurs, the work of CIMR was recognised: "the stature, relevance, and impact of Birkbeck's research for policy makers is exemplary". A development of this will be an enhanced focus on entrepreneurs and small businesses in our future



strategy for engagement. Thanks to Dr Pam Yeow for her leadership of this bid.

- Fourth, our new fellows are:
  - **Ben Laker** - Professor Ben Laker, Henley Business School was introduced to us by Professor Martin Meyer, now at Vaasa University, Finland. Ben has already given our research greater international visibility through publishing articles about our research on Forbes.
  - **Monder Ram OBE** - Professor Monder Ram OBE is the Director of Centre for Research in Ethnic Minority Entrepreneurship (CREME), based in Aston Business School, Aston University. He has extensive experience of working in, researching and acting as a consultant to small and ethnic minority businesses.
  - **Tim Vorley** - Professor Tim Vorley is Pro Vice-Chancellor and Dean of Oxford Brookes Business School and is the VCG lead for Entrepreneurship and Enterprise. Tim currently leads the Economic and Social Research Council (ESRC)/Innovate UK-funded Innovation Caucus and is Co-Director of the ESRC-funded Productivity Insights Network, as well as partnering on several projects under the Industrial Strategy Challenge Fund.
  - **Jacqueline Winstanley, FRSA** – Jacqueline is Founder CEO Universal Inclusion, the Inclusive Entrepreneur and provides the Secretariat for the APPG for Inclusive Entrepreneurship. She is an entrepreneur, international advisor and inclusion strategist, author, public speaker and poet.

### Other points of importance

CIMR's BEI School Impact grant has given us a better understanding of what our community would like CIMR to do going forward. Two points stand out. One is that CIMR needs to be more visible in national and international arena. To take this forward, CIMR has been awarded another BEI School Impact Grant, *Making impact through media engagement*. We will be able to employ someone to build our profile and to explore ways in which our online output can be made more accessible. We are indebted to Federica for making the website so vibrant.

We have already taken action:

- In April 2021, the CIMR started publishing a monthly curated list of blogs – CIMR Research in Focus - that dig a little deeper into an area of our research,

starting with entrepreneurship, diversity and inclusion. The series is moving to quarterly issues in 2022.

- CIMR now has a [Twitter account](#) @Birkbeck\_CIMR, and a [LinkedIn page](#).
- We have learned about the need for better packaging of CIMR debates. For example, we should include more in-depth content in the pre-event materials. The general feedback is that our events are inspiring enough to reshape people's ways of thinking, but we could do more to provide additional material in advance. This could be research and policy reports which give background to the debate and provide further information. There are also lessons for broadening the reach of our research and events to include a greater variety of organisations which are invited.
- CIMR has had a bumper year of [CIMR working papers](#) with eleven published. Papers are from our community, from academic colleagues, visiting fellows and PhD students.

We are indebted to Orla Walsh and Isobel Edwards for working with us on making our events and subsequent communications (blogs, videos, recordings) so professional. We have a wonderful team of people who work together so well including Ayse Seyyide and Yunwen Jiang on the impact grant, Ellen Pei-Yi Yu for editing the termly CIMR newsletters, and our Fellows, students and alumni who do so much in making our programme of events possible.

At the end of the 2020 report I expressed the hope that with mass vaccination we will be able to meet and debate in person. Of course, this has not happened, but our fingers are crossed that the summer term programme of international events involving our partner organisations will be face-to-face.

**Professor Helen Lawton Smith**, *Director of CIMR*

---

## NEWS AND APPOINTMENTS

- Sharmistha Bagchi-Sen has been appointed Director of the School of Geographical Sciences and Urban Planning, Arizona State University
- Helen Lawton Smith and Ning Baines have been invited to be Board Members of the APPG for Inclusive Entrepreneurship “Road to Wonder” Inquiry Advisory Board.
- Professor Martin Meyer was appointed Vice-rector for international affairs and director of InnoLab at Vaasa University, Finland. He is also a professor in the Networked Value Systems (NeVS) group within the School of Technology and Innovations.

---

## EDITORSHIPS, EDITORIAL BOARDS AND RESEARCH COMMITTEES

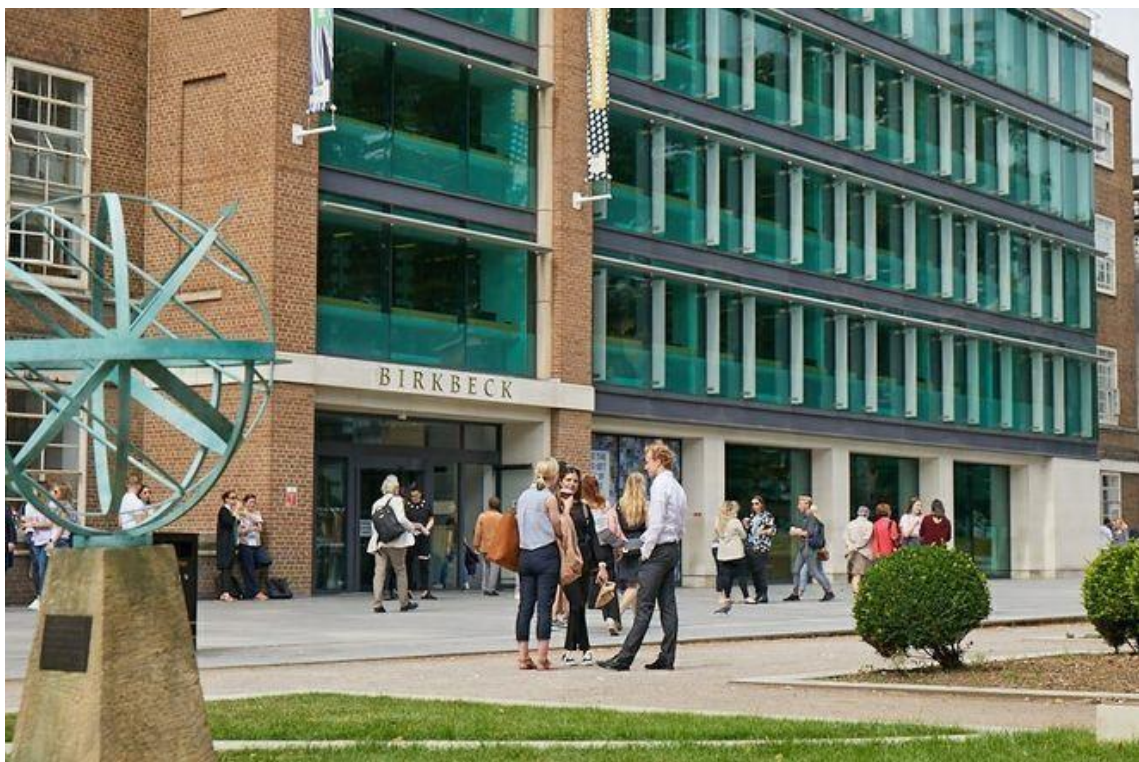
**CIMR academic staff and Fellows hold a number of editorships and membership of editorial boards of internationally important journals.**

- **Daniele Archibugi**
  - is a member of the Editorial Board of *Research Policy*; *Technovation*; *Technological Forecasting and Social Change*; *Technology Analysis and Strategic Management*; *Science and Public Policy*; *Cambridge Journal of Regions, Economy and Society*.
  - has been invited to join a group about Italian - UK collaboration for science, technology and innovation (UK-IT Bilateral Exchange in Science and Technology Project).

- **Helen Lawton Smith**
  - is Associate Editor of *Strategic Change: Briefings in Entrepreneurial Finance* and member of the Editorial Boards of *Entrepreneurship & Regional Development* and the *International Journal of Gender & Entrepreneurship*.
  - was appointed to be a Member of the Editorial Advisory Board *Triple Helix* October 2021.
  - Member, International Editorial Advisory Board, *Regional Studies* (December 2021 – November 2024).
- **Muthu De Silva** has been appointed as an editorial board member of the *British Journal of Management*.
- **Federica Rossi**
  - from January 2022, Federica will be Advisory Editor for the journal *Research Policy*.
  - is Member of the Editorial Board of *Higher Education Quarterly*.
- **Sharmistha Bagchi-Sen**
  - is Editor, *Papers in Regional Science* (Wiley), 2019-present; Associate Editor, *Applied Geography* (Elsevier), 2018 (October)-present; Co-Editor (with Waldemar Cudny), Routledge Book Series *Routledge Contemporary Perspectives on Urban Growth, Innovation and Change*, 2019-present.
  - has been appointed Member, International Editorial Advisory Board, *Regional Studies* (December 2021 – November 2024).
- **Marion Frenz** is Associate Editor of the *Journal of Innovation Economics and Management*.
- **John Glasson** is Editor of the Routledge Natural and Built Environment book series and on the Editorial Boards of: *Journal of Environmental Assessment Policy and Management*; *Environmental Impact Assessment Review*; and *International Journal of Urban Sustainable Development*.
- **Colette Henry** is Editor in Chief of the *International Journal of Gender & Entrepreneurship* and a member of the Editorial Board of the *International Journal of Entrepreneurial Behaviour & Research*.
- **Simona Iammarino** is a member of the Regional Studies Association's Research Committee and Publication Committee.



- **Grazia Ietto-Gillies** is a member of the editorial board of *Critical Perspectives on International Business* and member of the Management Board of the World Economics Association (WEA).
- **Carlo Milana** is Editor in Chief of *Strategic Change: Briefings in Entrepreneurial Finance*.
- **Klaus Nielsen** is Chair of the Board of Directors of Millennium Economics (owner of *Journal of Institutional Economics*).
- **Pierre Nadeau** is a member of the Editorial Board of *Strategic Change: Briefings in Entrepreneurial Finance*.
- **Alex Poulouvassilis** is Associate Editor for *IEEE Transactions on Knowledge and Data Engineering* and Area Vice-Chair for the ICDE 2019 conference, for the topic area of "Data Visualization and Interactive Data Exploration".
- **Elvira Uyarra** is Editor of *Regional Studies Regional Science* and member of the Editorial boards of *Ekonomiaz* and *European Planning Studies*.
- **Saverio Romeo** will be part of the Expert Group for the EU Project PILLARS on Future Technologies, Skills and Labour Market.
- **Ellen Pei-yi Yu** is Associate Editor of *International Journal of Management Practice*.



# RESEARCH HIGHLIGHTS AND PROJECTS

**CIMR people undertake world class research. Here are some examples.**

Federica Rossi was PI on the **Innovation intermediaries and the Fourth Industrial Revolution** project funded by the British Academy Leverhulme between October 2018 and November 2020, (co-applicants were Annalisa Caloffi from the University of Firenze, and Margherita Russo from the University of Modena and Reggio Emilia).

The project involved carrying out an extensive qualitative study of the role of innovation intermediaries in supporting 'Fourth Industrial Revolution' technologies with particular focus on the Internet of Things (IoT). The issues we investigated in this line of research were (i) what is the role of intermediaries in the context of an emerging systemic technology like IoT, and (ii) how are intermediaries adapting in order to play this new role. The findings have been presented in two publications, one (Rossi et al., 2021) focusing on the new business models that innovation intermediaries are developing in the context of the digital transition, and the other (Caloffi et al., 2020) focusing on the different types of co-creation processes that innovation intermediaries are developing in order to support the development of complex technological systems. Our studies have implications both for policymakers, as they improve our understanding of the resources that intermediaries need in order to effectively support the digital transition, as well as for innovation intermediaries themselves, as they underline the best practices of intermediaries that have successfully redesigned their business models.

The project has also allowed us to open up a further strand of research which had not been planned at the start of the project but which is very promising, and for which we have sought and obtained a small amount of funding. This project consists in mapping IoT competences across Europe by identifying companies engaged in IoT-related activities using the Amadeus database. We use a combination of text mining and secondary data analysis to map different IoT competences across European regions, and to categorise regions based on their 'IoT readiness'. We expect this strand of research to generate more outcomes and impact. In particular,

governments can benefit from greater understanding of the territorial distribution of IoT competences when designing regional and national innovation policies.

### References

- Caloffi, A., Colovic, A., Rossi, F., Russo, M. (2020) [Public innovation intermediaries and digital co-creation](#).
- Rossi, F., Caloffi, A., Colovic, A. and Russo, M. (2021) [New business models for public innovation intermediaries supporting emerging innovation systems: the case of the Internet of Things](#). *Technological Forecasting and Social Change* ISSN 0040-1625.

Colette Henry chairs the **Global Women's Entrepreneurship Policy Research Network** ([Global WEP](#)). This is a group of international research scholars committed to enhancing women's economic empowerment by informing the development of inclusive entrepreneurship policies.

The network aims to:

- Map and critically compare women's entrepreneurship policies globally
- Identify good practice examples of effective policy supports
- Inform policy development
- Bring together scholars interested in women's entrepreneurship policy
- Create and share publication opportunities related to women's entrepreneurship policy development.

To date, the Global WEP network has held international workshops and webinars, and has published journal articles, special issues (*International Journal of Gender & Entrepreneurship*, and *International Small Business Journal*), book chapters and books, as well as a 27-country policy report with the OECD: '[Entrepreneurship Policy through a Gender Lens](#)' (May, 2021).

Colette is also the Irish partner for two EU-funded projects led by the University of Aveiro, Portugal. **THEI2.0: From assessment to action** focuses on enhancing the use and effectiveness of **HEInnovate** – a self-assessment tool devised by the EU and the OECD to enable universities/HEIs to measure their level of entrepreneurialism and innovativeness. [THEI2.0](#) has augmented HEInnovate by producing a toolkit comprising a set of User Case Studies, HEI Profiles, Recommendation Cards and Digital Badges, the latter designed to recognise individual entrepreneurial

champions, departments or institutions for their efforts to make their organisation more entrepreneurial. *THEI2.0* has also produced a book with IGI-Global – **Strategies for the Creation and Maintenance of Entrepreneurial Universities** - edited by Colette Henry, Barbara Gabriel, Klaus Sailer, Ester Bernado Mansilla and Katja Lahikainen. [The book](#) is due for publication in early 2022.

**TANDEM+** (now **Start for Future**) has built an international consortium of universities/HEIs to offer workshops for entrepreneurship educators, support staff and students. Phase II of [the project](#) provides a comprehensive European pre-incubation programme for student teams and entrepreneurial individuals who wish to accelerate their business ideas to the next stage through mentoring, coaching and specialist advice. The project is also developing a gender and ethnicity-proofing framework (GEF) for entrepreneurship education and training programmes. Building on reflection and self-assessment tools such as *HEInnovate*, the *Global WEP Reading Guides* and the *GEET+* framework designed at Telfer Business School, University of Ottawa (Orser & Elliott, 2021), the TANDEM+ GEF acts as a first step toward the development of more EDI-focused entrepreneurship initiatives.

Riccardo Zecchinelli is a collaborator of the [Research Centre on Digital Administration](#) at Rome Tor Vergata University where he will be undertaking new research.

## CURRENT EXTERNAL GRANTS

<b>Names</b>	<b>Status</b>	<b>Grant title/topic</b>	<b>Funder</b>	<b>Period</b>
Daniele Archibugi	Partner	Innovation for Global Challenges in a Connected World	Italian Ministry for University and Research	2020-23
Muthu De Silva	PI	Co-creation case study with Innovate UK, BEIS and Digital Catapult as part of OECD project, "Science Industry Co-creation and Digitalisation"	OECD	2020-21
Colette Henry	CI	THEI.2.0 – Developing the HEInnovate tool	EU ERASMUS+	2020-22
Simona Iammarino	PI	Innovative Training Networks for "Policies for Smart Specialisation"	Horizon 2020 Framework Programme, H2020-MSCA-ITN-2019, Project: 860887 - POLISS	Dec. 2019-Dec. 2022
Helen Lawton Smith	PI	Addressing regional inequalities in innovation opportunities for BAME and disabled groups	Regional Studies Association Fellowship Research Grant Scheme (FeRSA)	2020-21
Elvira Uryarra	PI	Constructing markets for new path development. The role of the state.	Regional Studies Association Fellowship Research Grant Scheme (FeRSA)	2020-21
Elvira Uryarra	Co-PI	Soteria Project	Innovate UK's Digital Security by Design (DSbD) initiative	2020-23





		<p>Aims to prevent hackers from remotely taking control of digital systems and protect businesses from cyber attacks</p> <p>Collaboration between Hut Group, Manchester University and Oxford University</p>		
Ellen Pei-yi Yu	PI	Environmental Finance for the Common Good	Grant from the Money, Macro, and Finance Society (MMF) in the UK for hosting a research workshop	Nov 2021-2022

## CURRENT BIRKBECK GRANTS

Name	Status	Grant title / topic	Funder	Period
Federica Rossi, Marion Frenz and Helen Lawton Smith	PI	CIMR: Impacting Debates in Public Policy	BEI School Impact Grant	April to December 2021
Helen Lawton Smith	PI	Engaged Scholarship: Addressing regional inequalities in innovation opportunities for BAME and disabled entrepreneurs	BEI School Impact Grant	May - December 2021
Saverio Romeo and Helen Lawton Smith	PI	"Emerging Digital Technology Entrepreneurship in City Capitals"	BEI Research Grant	2020-21
Muthu De Silva	PI	"Co-creation: Turbulence and Non-turbulence times"	BEI Research Grant	2020-21
Ellen Pei-yi Yu	PI	Environmental Finance for the Common Good	Department research grant for organising a research and impact workshop	November 2020- 2021

# KEYNOTES, INVITED PRESENTATIONS AND CONFERENCES

## **Grazia letto-Gillies**

- Webinar, University of Essex Business School on: 'From Roosevelt to Bolsonaro. 75 years of integration and fragmentation', 22 April 2021.
- 'Transnational Companies. Evolution, concepts and developments', Online lecture for Master in Business and Enterprise, LUISS, Rome, October 2021.

## **Helen Lawton Smith**

- Research talk, 'Regional Geographies of Innovation and Entrepreneurship Support: An EDI Approach' Circle, Lund University February 17 2021.
- Presentation on support networks for BAME and disabled entrepreneurs to British Business Bank Northern Ireland Entrepreneurship & Diversity Group. 18 March 2021.
- Presentation in 'Supporting disabled and ethnic minority entrepreneurs: an engaged scholarship approach to inclusivity' at the EURegionsWeek conference (co-organiser with Monder Ram) October 12 2021.
- Presentation in CIMR debate in Public Policy on 'Unlocking the potential of Black and Ethnic Minority entrepreneurs' October 13 2021 (Co-organiser with Professor Monder Ram).
- Keynote presentation at the High-level conference 'Academia for the benefit of society – Meeting critical challenges', CESAER Annual Meetings (CAM 2021) October 15 2021.
- Invited presentation, Disability and Enterprise, Launch of Disability Resilience Network, November 29 2021. Provocation and discussion leader *Diversity and Inclusion in Entrepreneurship* [National Entrepreneurship Network](#).

**Loet Leydesdorff, and Helen Lawton Smith**

- Joint keynote on Triple, Quadruple and Higher-order Helices: Historical Phenomena and (Neo-) Evolutionary models. XIX Triple Helix Conference 2021 (online) June 16 2021.

**Thanos Fragkandreas**

- Fragkandreas, T. Leitzinger, L., and Liebald, M. 'Innovation Studies and Policy: A 'Topic-Sentiment' Analysis', SASE (Society for the Advancement of Socio-Economics), online conference, 2-5 July 2021.

**Owalla, B and Lawton Smith H**

- 'Addressing regional inequalities in innovation opportunities for BAME entrepreneurs' Presentation at CIMR Workshop on *Diversity and entrepreneurship* March 17 2021.

**Saverio Romeo**

- Invited as a keynote speaker at an [academic conference on smart city modelling](#).
- At the Business Capital Forum 2021 in Seoul (online), Prof. Erran Carmel (Kogod Business School) and Saverio have presented the research on quantum technology entrepreneurship in London and Washington. The presentation was based on the article based on our Working Papers. The paper's authors were: Saverio Romeo, Prof. Erran Carmel, Prof. Helen Lawton Smith, and John Slater.
- On 15 December at the Paper Development Workshop (PDW) 'Deep Tech: Emerging opportunities in Innovation and Entrepreneurship' at [ICIS Conference](#), Prof. Erran Carmel and Saverio Romeo present the same paper. Only four papers have been accepted in this workshop. Both presentations represent the output of a school grant Saverio Romeo has used to run the research on quantum.

**Federica Rossi**

- Presentation at the NCACE (National Centre for Arts and Culture Exchange) Evidence Cafe launch on 16 March; presentation at Evidence Café on 28 October.

**Elvira Uyarra**

- Invited speaker at a webinar organised by Interreg Europe (Policy Learning Platform) on 'mission-oriented innovation policies'.

## **Ellen Pei-yi Yu**

Presenter:

- 37th International Symposium on Money, Banking and Finance. Banque de France, 16-17 June 2021.
- Birkbeck Women Vs. the Climate Crisis Symposium round-up organised by the Birkbeck Students' Union Women's Network and the SU Environment Society on 6 May 2021.
- International Conference: Environmental Justice, August 2021, Lassalle-Institute, Switzerland.
- Online Event via Zoom, 'Recent Results in Green Finance' Organised by GrEnFin European Project, 2 December 2021.

## **Daniele Archibugi**

Presenter:

- 'Regional Technological Capabilities and the Access to H2020 Funds' Italian Ministry of University and Research Project of National Interest at the Campus Einaudi of Turin, 8-9 December 2021.
- (with Vitantonio Mariella): 'Is a European recovery possible without high-tech public corporations?' School of European Political Economy - Luiss (webinar), 21 June 2021.
- (with Vitantonio Mariella): 'Is a European recovery possible without high-tech public corporations?' at UCL Institute for Innovation and Public Purpose - IIPP Seminar Series 2020/2021, 7 June 2021.
- 'What industrial policy for Europe? The role of public sector in regaining technological leadership' Workshop - La nuova strategia industriale Europea dopo la grande crisi finanziaria e la crisi COVID orientati ai nuovi bisogni dei cittadini e al territorio. Tor Vergata, February 2021.



---

# CIMR EVENTS 2021

## CIMR DEBATES IN PUBLIC POLICY

CIMR organised a set of lunchtime one-hour online debates on topical issues. In each, leading scholars and practitioners presented their ideas on current economic, innovation and policy issues with the audience challenging their ideas.

Each has addressed critically important societal issues such as advances in new technology, equality, diversity and inclusion, skills and in our last one of 2021, *A watershed moment for UK Life sciences – How broken is it and do we need to fix it?* With a brilliant line-up including Dr Clive Dix (C4X Discovery, former Deputy Chair of the UK Vaccines Task Force).

---



<b>Date</b>	<b>Title</b>	<b>More Information</b>	<b>Link</b>
12 February	Video gaming as a catalyst for learning innovation in Gen Z women	Dr Andrew Atter (visiting fellow at CIMR) and Usman Salim (founder and CEO of Liontech Studios) joined us for this webinar to explore the untapped potential of gaming as a facilitator for learning and development for young women.	Blog: <a href="#">Video gaming as a catalyst for learning innovation in Gen Z women</a>  Recording available <a href="#">here</a>
25 February	The history and future of entrepreneurship in Quantum Technology	This policy debate explored the emergence of quantum technology in London and Washington and asked what policy measures need to be put in place to allow this emerging technology to flourish. Saverio Romeo, Associate Lecturer in Birkbeck's Department of Management and CIMR Visiting Fellow kicked off the discussion by providing an industry perspective on quantum technology. This event was joined by Professor Erran Carmel of Kogod School of Business, American University and Dr Mirella Koleva, Founder of Quantopticon to discuss the first wave of quantum technology. Professor Helen Lawton Smith and Kogod School of Business' Professor Erran Carmel found that both Washington and London are good locations for quantum entrepreneurship, possibly because entrepreneurs in these cities are close to policy makers and universities and, especially in the case of Washington, the government is a client of quantum technology products.	Blog: <a href="#">The history and future of entrepreneurship in Quantum Technology</a>  Recording available <a href="#">here</a>

6 March	When innovation induces income inequality – is it skills, robots, Bohemians or risks and rewards?	Thanos Fragkandreas, Goethe University of Frankfurt and Centre for Innovation Management Research shared his research into the relationship between innovation and inequality at our March Debate in Public Policy. Thanos' presentation was followed by discussion from Dr Manto Gotsi, Senior Lecturer in Marketing. The Q&A, led by Ayse Kaptaner, PhD student in the CIMR.	Blog: <a href="#">When innovation induces income inequality – is it skills, robots, Bohemians or risks and rewards?</a>  Recording available <a href="#">here</a>
22 March	Diversity and Entrepreneurship Workshop	Following research by Professor Helen Lawton Smith into addressing regional inequalities in innovation opportunities for BAME and disabled groups, funded by the <a href="#">Regional Studies Association Fellowship Grant</a> , this workshop aimed to contribute to the debate on how the UK could better support innovation and entrepreneurship in underrepresented groups. The workshop was opened by <a href="#">Sally Hardy</a> of the Regional Studies Association (RSA). The discussion that followed featured presentations from <a href="#">Jacqueline Winstanley</a> on inclusive entrepreneurship; <a href="#">Helen Lawton Smith</a> and <a href="#">Beldina Owalla</a> on addressing regional inequalities in innovation opportunities for BAME entrepreneurs; <a href="#">Monder Ram</a> on ethnic minority entrepreneurship; <a href="#">Reetu Sood</a> on an intersectional approach to entrepreneurial social capital; <a href="#">Te Klangboonkrong</a> and <a href="#">Ning Baines</a> on disability entrepreneurship; Tom Coogan on an initiative for entrepreneurs with disabilities and <a href="#">Lexi Mills</a> on the use of virtual reality in addressing diversity	Blog: <a href="#">CIMR Hosts Virtual Diversity and Entrepreneurship Workshop</a>  Recording available <a href="#">here</a>

issues. The session ended with a panel discussion chaired by Tim Vorley, Oxford Brookes University, where panellists shared key takeaways from the workshop and what they felt should be the next step in taking this conversation forward into action.

21 April      Rising to the UK's skills challenges

In this policy debate, the Centre for Innovation Management Research welcomed Dr Abigail Taylor, Research Fellow at City-REDI, University of Birmingham and Juliet Eccleston, CEO and founder of AnyGood?, to share their vision for an inclusive future for UK skills. The session was chaired by Matthew Jayes, Strategic Partnerships and Networks Manager, Chartered Management Institute and CIMR alumnus.

Blog: [Rising to the UK's skills challenges – CIMR Debates in Public Policy](#)

Recording available [here](#)

5 May          Knowledge economy cities vs left-behind places: can the gulf be narrowed?"

Chaired by Birkbeck's Dr Frederick Guy, guest speakers Professor Maryann P. Feldman and Dr Thomas Kemeny explored the regional inequalities generated by the technological revolution and possible policy solutions. The presentations were followed by discussion from Professor Raquel Ortega-Argilés (Department of Strategy and International Business and City-REDI Research Institute, Birmingham Business School), who highlighted some outlier nations: South Korea, for example, has an extremely high concentration of inventors in large metro areas, but with no greater number of patents than inventors in non-metro regions, while Germany offers an example of a more balanced distribution of knowledge and innovation activity.

Blog: [Knowledge Economy Cities vs Left Behind Places: Can the Gulf be Narrowed?](#)

Recording available [here](#)

19 May	Measurement of interdisciplinarity and synergy	This debate was chaired by Dr Federica Rossi, with discussion from Adrian Day. Professor Loet Leydesdorff discussed a new methodology for measuring interdisciplinarity and synergy and its application. Loet concluded by suggesting that interdisciplinarity is an important factor for research management, whereas synergy is more important from a social perspective.	Blog: <a href="#">Can interdisciplinarity and synergy be measured?</a>  Recording available <a href="#">here</a>
9 June	Green Finance and innovation	Chaired by <a href="#">Professor Michael Mainelli</a> , Executive Chairman, Z/Yen Group, the discussion explored investor sentiment towards green investment and how fintech innovation could support the transition to green finance. <a href="#">Dr Ellen Yu</a> began the discussion by sharing research exploring whether environmental innovation can help firms access cheaper finance. Dr Alessandra Tanda shared developments in digital finance that could support the green transition. Harry Elliott shared his professional experience in environmental innovation. Dr Bac Van Luu gave wider context to the discussion by highlighting five long-term trends in sustainable finance from the perspective of the investor or asset manager.	Blog: <a href="#">How can we create the right environment for green finance?</a>  Recording available <a href="#">here</a>
30 June	Knowledge, Skills and Regional Divides	Chaired by Dr Frederick Guy, Dr Maria Abreu and Dr Marte C.W. Solheim shared insight into the relationship between region and skills in this public policy workshop. Dr Marte C.W. Solheim highlighted that a region's innovation system consists of two sub-systems: industry and knowledge infrastructure. Dr Maria Abreu continued the discussion with an exploration of the links between skills and productivity and regional variations. In response to these presentations, discussant Federica Rossi asked whether digital innovation was exacerbating regional divides, as high tech versus	Blog: <a href="#">CIMR Workshop: Knowledge, Skills and Regional Divides</a>  Recording available <a href="#">here</a> .



traditional industries differ in terms of productivity growth and in the regions in which they operate.

14 July	Civilising AI: Applying AI to solve practical business issues, ethically	Charles Radclyffe (co-founder, EthicsGrade), Riham Satti (co-founder, MeVita); Discussant: Jo Magnani; Chair: Dr Andrew Atter (University of Liverpool). The debate on AI has long been bogged down in abstract discussions about the theory of mind, consciousness and ethics. This has sometimes impeded real innovation. Our two speakers exemplify the attempts to house-train AI and de-risk it to the point that investors, founders, managers and researchers can at least know where to look for solutions and recognise good quality when they see AI applied in the real world.	Blog: <a href="#">Civilising AI: Applying AI to solve practical business issues, ethically</a>  Recording available <a href="#">here</a>
22 September	Unlocking the potential of disabled entrepreneurs	Through this event, our aim is to challenge the audience's understanding on the self-employment of disabled people, and to call the policymakers, practitioners and academics to go beyond what is currently available for supporting disabled entrepreneurs and innovators, and tackling the issues affecting their successful participation in the ecosystem. Panelists: David Walsh (Flamefinch Partners LLP), Dr Eva Kašperová (Aston Business School), Beth Kume-Holland (Patchwork Hob), David Halabisky (OECD), Chair: Jacqueline Winstanley, FRSA (Universal Inclusion).	Blog: <a href="#">Unlocking the potential of disabled entrepreneurs</a>  Recording available <a href="#">here</a>

6 October	Entrepreneurship policies through a gender lens	<p>The Global Women's Entrepreneurship Policy (GWEP) Research Network and the OECD have recently launched the report 'Entrepreneurship Policies Through a Gender Lens', edited by Colette Henry, Barbara Orser, Susan Coleman, David Halabisky and Jonathan Potter. The report examines trends and barriers in entrepreneurship by gender, and includes 27 country-level policy insight notes authored by leading academic experts. The report examines issues to do with culture, skills, finance, networks and regulations. It also argues that current public policies for entrepreneurship are often inadequate to address the gender gap. This event debated the key issues: What are the reasons for gender differences in the scale and nature of entrepreneurship activity? What needs to change in current entrepreneurship policies? Panelists: Professor Colette Henry (Dundalk Institute of Technology, Ireland), Professor Severine Le Loarne (Grenoble Ecole de Management, France), Chair: Dr Jonathan Potter (OECD).</p>	<p>Blog: <a href="#">Entrepreneurship policies through a gender lens</a></p> <p>Recording available <a href="#">here</a></p>
13 October	Unlocking the potential of Black and Ethnic Minority entrepreneurs	<p>Through this event, our aim is to challenge the audience's understanding on the self-employment of Black, Asian and Ethnic Minorities and to call the policymakers, practitioners and academics to go beyond what is currently available for supporting Black, Asian and Minority Ethnic entrepreneurs and innovators, and tackling the issues affecting their successful participation in the ecosystem. Panelists: Professor Helen Lawton Smith (Birkbeck, University of London), Jabo Butera (Diversity Business Incubator), Sharniya</p>	<p>Blog: <a href="#">Unlocking the potential of Black and Ethnic Minority entrepreneurs</a></p> <p>Recording available <a href="#">here</a></p>

Ferdinand (NatWest Group), Brenda King (European Economic and Social Committee), Yemi Jackson Engage Transform), Kimberley Mamhende (Centre for African Entrepreneurship), Chair: Professor Monder Ram, OBE (Aston Business School).

27 October    Innovation  
finance: public or  
private?

In this debate, the respective roles of public and private funding for innovation and entrepreneurship are interrogated. This is timely because of some misconceptions about the role of venture capital (VC) in financing innovation. On the one hand public financing differs from venture capital – for example, VC aims for high growing firms, while on the other public funding should instead aim for wider indirect and system effects. While in some circumstances, policy makers think they should also aim for high growth firms it is arguable that this should not be their primary objective. Thus VC and public funding have very different roles to play. Panelists: Professor Asa Lindholm Dahlstrand (Circle, Lund University), Professor Peter Jelfs (Brunel University), Dr Iain Evans (Physical Sciences Innovation), Discussant: Rebecca Todd (Longwall Ventures), Chair: Professor Tim Vorley (Oxford Brookes University).

Blog: [Innovation finance: public or private?](#)

Recording available [here](#)

17 November    A watershed  
moment for UK  
Life Sciences  
policy – How  
broken is it and

Two Government policy documents this year – the UK Innovation Strategy: Leading the future by creating it and the Life Sciences Vision – have sought to set out strategies for creating a world leading sector and industry. How influential could these policy changes be, and have the right lessons been learned from the

Blog: [A Watershed Moment for UK Life Sciences Policy – How broken is it and do we need to fix it?](#)



do we need to fix it?

pandemic? In this seminar we will analyse the importance of the unlikely partnerships that have formed over the past 18 months or so, the importance of blue-skies research, whether the Government should be trying to set the direction of travel and whether its policies are future-proofed. Panelists: Dr Clive Dix (C4X Discovery, former Deputy Chair of the UK Vaccines Task Force), Dr Danuta Jeziorska (Academic Founder, Executive Director & CEO Nucleome Therapeutics), Dr Deborah Spencer (Deputy Head Innovation & Business Partnerships, University of Oxford) Chair: Emma Palmer Foster (Birkbeck & EJ Palmer Consulting).

Recording available [here](#)

### **CIMR Alumni Event**

8  
December  
Centre for  
Innovation  
Management  
Research (CIMR)  
in conversation  
with Touker  
Suleyman of  
Dragon's Den

It has been said that Entrepreneurs must innovate to stay relevant, which is why we are thrilled to have a seasoned and well-known entrepreneur Touker Suleyman (of Dragons' Den) as our special guest at this year's Centre for Innovation Management Research (CIMR) MSc students event. We will listen to Touker as he relays his inspiring entrepreneurial journey, before seeing him take on his role as a dragon and offer advice to 2 students who will pitch their business to him in 3mins.

Blog: [A Conversation with Touker Suleyman of Dragons' Den](#)

Recording available [here](#)

## OTHER WORKSHOPS AND PANEL EVENTS FEATURING CIMR COLLEAGUES

Date	Title	More information	Link
25 March	The role of Public Research in the development of Covid Vaccine – are they heroes or laggards?	While we have witnessed a huge contribution made by publicly funded universities and laboratories, especially in collaboration with private sector firms, for example Oxford Astra Zeneca, it is also possible to argue – when the contribution of private and public research is compared – that the contribution of the private sector is much greater. It was in this context that Suma Athreye, Professor of Technology Strategy at Essex Business School and Daniele Archibugi, Professor of Innovation in Birkbeck's Department of Management, presented their views. This timely debate, chaired by Birkbeck's Dr Federica Rossi, was well-attended by experts in related fields, from practitioners to scholars in different stages of their career.	Blog: <a href="#">The role of Public Research in the development of Covid Vaccine – are they heroes or laggards?</a>  Recording available <a href="#">here</a>
8 April	Vaccine Nationalism' vs Globalisation: What role for a supranational organisation?	<i>This event is the second in a series to be co-hosted by Essex Business School, University of Essex and Birkbeck, University of London.</i> Professors Grazia Ietto-Gillies and Klaus Meyer opened up the discussion on the COVID-19 vaccine global production and delivery challenges.	Blog: <a href="#">Vaccine Nationalism' vs Globalisation: What role for a supranational organisation?</a>  Recording available <a href="#">here</a>
26 May	The effects of changes in university	Dr Abhijit Sengupta, Dr Andrea Filippetti and Dr Alex Chaix shared insight in this panel discussion, chaired by the CIMR's Dr Federica Rossi. Dr Abhijit Sengupta kicked off the session by sharing the findings of	Blog: <a href="#">How do changes to university funding</a>



	funding on knowledge transfer	a paper written with <a href="#">Dr Federica Rossi</a> exploring how changes to university funding have impacted knowledge exchange profiles. Abhijit was followed by Dr Andrea Filippetti, who shared insight into the impact of public versus private funding sources on research activity.	<a href="#">impact knowledge exchange?</a>  Recording available <a href="#">here</a>
14 June	Knowledge, Intensive Business Services: post-pandemic new normal	In a joint event hosted by Birkbeck's <a href="#">Department of Management</a> and <a href="#">Essex Business School</a> , Professors Ian Miles and David Doloreux outlined their view of the post-pandemic new normal for KIBS. As Chair, Dr Muthu De Silva, Director of Research in Birkbeck's Department of Management began with discussion from Professor David Doloreux on KIBS and their key characteristics. The presentations were followed by discussion from the audience, which featured a diverse mix of policy makers, academics and early career researchers, and a vote of thanks from Professor Suma Athreye, Essex Business School.	Blog: <a href="#">Knowledge Intensive Business Services: Post-Pandemic New Normal</a>  Recording available <a href="#">here</a>
10 November	Supporting disabled and ethnic minority entrepreneurs: An engaged scholarship approach to inclusivity	Regional Studies Association event organised for EU Regions Week University, Professor Monder Ram, CREME, Aston University chaired a panel exploring diversity in entrepreneurship.	Blog: <a href="#">Supporting disabled and ethnic minority entrepreneurs: An engaged scholarship approach to inclusivity</a>

---

# CIMR BLOGS

CIMR people have been active in publishing blogs:

## **Luca Andriani**

- [The unhappy face of corruption](#)
- [Is Tax Morale Culturally Driven?](#)

## **Suma Athreye**

- [Knowledge transfer from Public Science: The unsung hero of the COVID-19 vaccine success](#)

## **Muthu de Silva**

- [Fairly assessing unfairness: an exploration of gender disparities in informal entrepreneurship among academics in business schools](#)

## **Muthu de Silva, Federica Rossi, Ainurul Rosli, Ning Baines**

- [Long-term innovation outcomes of university-industry collaborations: the role of 'bridging' vs 'blurring' boundary spanning practices](#)

## **Marion Frenz**

- [New research shows benefits of private food safety standards for manufacturing sites](#)

## **Fred Guy**

- [San Francisco, New York, Washington: Iron Triangle of Rent](#)

## **Colette Henry**

- [Women entrepreneurs and networking during COVID-19](#)

**Grazia Ietto Gillies**

- [Organisation matters for the delivery of technological products](#)
- [Transnational companies in the digital era. A reconceptualization](#)
- [Asymmetry of power and transnationality](#) see also <https://www.eticaeconomia.it/asimmetria-di-potere-nel-xxi-secolo/>

**Asif Kalam**

- [The Grameen model and its applicability in developed countries](#)

**Federica Rossi**

- [New business models for public innovation intermediaries in supporting the digital transition](#)
- [Do different fields of knowledge lead to different types of knowledge transfer? A study of public research organisations in the UK.](#)
- [The role of public innovation intermediaries in supporting the digital transition](#)

**Federica Rossi, Ning Baines, Helen Lawton Smith**

- [Which regional conditions facilitate university spinouts retention and attraction?](#)

**CIMR Research in Focus curated blogs**

CIMR Research in Focus is a monthly series presenting a curated list of blogs from the Centre of Innovation Management Research. Since April 2021, we have published eight issues, as follows:

1. [Entrepreneurship, diversity and inclusion](#) (20 April 2021)
2. [Reflecting on the COVID-19 pandemic](#) (17 May 2021)
3. [The economic and ethical implications of digital technologies](#) (7 June 2021)
4. [Research and industrial policy for the 21st Century](#) (8 July 2021)
5. [Creating entrepreneurial universities](#) (12 August 2021)
6. [Entrepreneurship at CIMR](#) (7 September 2021)
7. [Evaluating public policy](#) (8 October 2021)
8. [Creating better outcomes for society](#) (3 November 2021)

# CIMR PODCASTS

## CIMR RESEARCH IN BRIEF SERIES

- Episode 1: **Prof. Grazia Ietto-Gillies** – The economics of transnational corporations. Professor Grazia Ietto-Gillies talks about her research on the economics of transnational corporations. Her research interests are in the areas of economics of transnational corporations; internationalisation; innovation; absorptive capacity; labour relations; outsourcing and transnational corporations. Link to [video](#) (6'48")
- Episode 2: **Melina Padayachy** – The Innovator's method. Melina Padayachy is associate alumna of the Centre for Innovation Management Research and author of 'The Innovator's Method: Bringing New Ideas to Markets'. She explains why she decided to write The Innovator's Method and why we should stop viewing innovation as serendipitous. Link to [video](#) (2'56")
- Episode 3: **Dr Ning Baines** – Disability entrepreneurship research. Dr Baines introduces one of her co-authored working papers, Disability entrepreneurship research: review and critical reflection through the lens of individual-opportunity nexus, co-authored with Dr Te Klangboonkrong. Link to [video](#) (5'21")
- Episode 4: **Prof. Rinaldo Evangelista** – Regional innovation performance and EU science and technology policy. Prof. Rinaldo Evangelista introduces us to his working paper, Centripetal and Centrifugal Forces in Technological Activities: Linking Regional Innovation Performances to EU Science & Technology Policies, co-authored with Daniele Archibugi and Antonio Vezzani. Link to [video](#) (9'54")
- Episode 5: **Dr Andrea Filippetti** – Individual risk attitudes and local unemployment. Dr Filippetti and his co-author look into an intriguing question of how the economic environment affects people's attitudes towards risks. Link to [video](#) (11'45")
- Episode 6: **Prof. Suma Athreye** – Chinese and Indian FDI after the financial crisis of 2008. Chinese and Indian outward investment paths that looked so similar before 2008 began to diverge rapidly after the financial crisis. In this video, Prof. Suma Athreye discusses her paper (written jointly with Abubakr Saeed and Muhammad Saad Baloch) where the authors propose that the motives for outward investment interacted with the sources of financing this investment to produce this divergent outcome. Link to [video](#) (12'41")

- Episode 7: **Dr Peter Ross** – The impact of the Covid pandemic on NHS PET-CT scanning. In this short interview, Dr Ross introduces us to his recent research about how the first wave of Covid-19 in 2020 impacted NHS England's PET-CT Scanning, a cancer diagnosis method. This is a collaborative study working with researchers from University College London, Southwestern University of Finance and Economics, and the NHS England. Link to [video](#) (11'07")
- Episode 8: **Saverio Romeo** – The emerging quantum technology industry: Capital cities, entrepreneurship and policies. Saverio shares his research about quantum technology, an emerging but significant technology that may shape our future. Link to [video](#) (7'48")
- Episode 9: **Annalisa Caloffi** – Evaluating policies for innovation intermediaries. Dr Annalisa Caloffi introduces her co-authored working paper, Designing performance-based incentives for innovation intermediaries: Evidence from regional innovation poles. The article focuses on the misalignments between the objectives of innovation policies and their actual implementation. Link to [video](#) (7'33")

## CIMR PHD RESEARCH IN FOCUS SERIES

- Episode 1: **Ayse Seyyide** – Refugee entrepreneurship. PhD student Ayse explains the motivation behind her research exploring refugee entrepreneurship in urban settings. Link to [video](#) (3'22")
- Episode 2: **Doyin Olorunfemi** – Entrepreneurial learning. Birkbeck PhD student Doyin explains how direct selling gave her the skills she needed to start her own business, and how her research asks if it could do the same for others. Link to [video](#) (3'20")
- Episode 3: **Dina Mansour** – Institutional entrepreneurship in Egypt. In this short video, our newly graduated PhD student Dina Mansour discusses her experience of doing her PhD at Birkbeck, University of London – "one of the most rewarding experiences". Link to [video](#) (8'12")
- Episode 4: **Lida Metallinou** – China's outward direct foreign investment. Recent PhD graduate Lida Metallinou discusses her dissertation in International Business and experience of doing a PhD in Birkbeck's Department of Management. Link to [blog](#)
- Episode 5: **Thanos Fragkandreas** – Innovation and income inequality. Dr Thanos Fragkandreas is one of our newly graduated PhD students. In this short interview, he shares with us his PhD dissertation, a study exploring the relationship between innovation and income inequality. Link to [video](#) (6'19")

## STUDENT TESTIMONIALS

- **Lehla Kehl** – Building innovation ecosystems: link to [video](#) (4'50")
- **Jeremy Galpin** – Creating social value through digital technology: link to [video](#) (4'46")
- **Diana Baciuc** – Researching university internationalisation: link to [video](#) (7'01")

---

# INTERACTION WITH BUSINESS, SOCIETY AND POLICY MAKERS (IMPACT)

**Muthu de Silva's** work with the OECD [as part of the 2021-22 OECD-TIP project] 'Supporting co-creation in collaborative transitions: Exploring new tools and approaches' is presented during the following online events and she is in the process of finalising two reports with the OECD to be published in 2022:

- Workshop 'Creating momentum for joint knowledge creation before, during and after the crisis' on 16 June 2021
- 57th Meeting of the Working Party on Innovation and Technology Policy (TIP), 17-18 June, 2021
- Co-creation initiative leaders and TIP delegates which were shared at a co-creation community exchange event 'What can we learn from COVID-19 co-creation initiatives for future collaborations?' held on 19 October 2021
- A joint workshop with the Global Science Forum (GSF) on 'Improving academia-private sector interactions: Lessons learned from the COVID-19 pandemic' on 16 September 2021
- 58th Meeting of the Working Party on Innovation and Technology Policy (TIP), Dec 8-10, 2021

Muthu has been offered another contract by the OECD to engage in the project entitled 'Improving the system of knowledge exchange and collaboration between universities and society in Italy – 2022'.

**Marion Frenz and Ray Lambert** are working on a Research Project on the impacts of Private Food Safety Standards, on behalf of [BRCGS](#), one of the leading standards providers. An early output from the project is a [note on the complementarity between standards and regulation in food safety](#).

**Colette Henry** - Entrepreneurship Policies Through a Gender Lens (OECD-GWEP, 2021), [report](#) published 17 May 2021. Following this recent OECD-Global WEP policy report, an article is published 3 July 2021 in The Irish Independent. See the photo below. Colette Henry is the keynote speaker at OECD webinar on 29 June 2021, and also the keynote speaker at ICSB-OECD-GWEP webinar on women entrepreneurs (15 July 2021) as part of ICSB's annual conference.



**Grazia letto-Gillies** has been interviewed on Radiotelevisione Svizzera by Alice Pedrazzini on the strike by Amazon workers in Italy and in the USA, March 24, 8.20 am.

**Helen Lawton Smith** has moderated an international panel discussion on 'Policy insights on building high tech clusters' in an online event on 'Policy for High Tech Clusters – Lessons from Cambridge, UK'. The OECD Centre for Entrepreneurship, SMEs, Regions and Cities (CFE) and the Global Entrepreneurship Network (GEN). 30 March 2021.

Helen's Regional Studies Association Award set out to do three things: firstly, to map the regional geography of public and private organisations which support UK BAME and/or disabled people; secondly, to compare with the USA which has targeted business innovation support to under-represented groups; and thirdly, to identify



economic, social and policy implications to inform policy thinking and practice. The lasting impact is through 'engaged scholarship' which in practice means continuous engagement with such stakeholders as Innovate UK, Cabinet Office Disability and Race Equality Units, All Party Parliamentary Groups, and UKRI.

- <https://www.bbk.ac.uk/news/making-business-innovation-accessible-to-diverse-groups>
- <https://www.bbk.ac.uk/departments/management/our-research/engaged-scholarship-for-bame-and-disabled-entrepreneurs>

In **Global Entrepreneurship Week** (November 8-12), three of CIMR's events relating to equality, diversity and inclusion were featured on the event's online platform.

The **National Enterprise Network (NEN)**, a CIMR partner organisation, is one of three networks to participate in a pilot of the Cross Border Trade Launch Pad programme which will give 30 companies across England, Ireland, and Northern Ireland free training and mentoring to help them increase their trading footprint. This unique learning opportunity will be delivered by SME Growth Consultancy Discovery Partnership. NEN will help bring Institute of Collaborative Working frameworks to the Third Sector. Chairman Alex Till has joined a new Special Interest Group (SIG) for the Third Sector with the Institute for Collaborative Working (ICW). Till will represent Enterprise Support providers and entrepreneurship educators as the SIG explore ways for the ICW frameworks to be applied to charities, social enterprises and not-for-profit organisations.

**Federica Rossi** is collaborating with the [National Centre for Academic and Cultural Exchange](#), a 5-year project funded by Research England, aiming to promote collaboration and knowledge exchange between higher education institutions and the arts and cultural sector. This collaboration has resulted in four reports and several public events involving representatives from universities, policymaking bodies, funding agencies, and the arts and cultural sector.

- [HEIs' Engagement with the Arts and Cultural Sector: Evidence from the Knowledge Exchange Framework 2021 Narratives](#), Dr Federica Rossi, Emily Hopkins, Dr Valentina Rizzoli (November 2021).
- [Collaborating with Higher Education Institutions: Findings from NCACE Survey with Arts Professional](#), Evelyn Wilson, Emily Hopkins, Dr Federica Rossi (November 2021).

- [The Role of 'Place' in Collaborations Between HEIs and the Arts and Cultural Sector](#), Dr Federica Rossi, Emily Hopkins (November 2021).
- [How does academic research generate arts and culture-related impact? A thematic analysis of Research Excellence Framework \(REF\) 2014 impact case studies](#), Dr Federica Rossi, Evelyn Wilson and Emily Hopkins (September 2021).

**Jacqueline Winstanley** organised the first [Live Event](#) (on June 25 2021) which was an informal session in collaboration with the APPGIE and Facebook: Doing Business Differently Inclusive Entrepreneurship. It was aimed at disabled people who want to learn how to utilise Facebook and Instagram to start or grow their business. Speakers included Dr Lisa Cameron MP, Chair APPG Inclusive Entrepreneurship, Jacqueline Winstanley, FRSA, Founder & CEO Universal Inclusion & Secretariat, two Case Studies Grant Logan, Ability Today and The Inclusive Entrepreneur Network. Two training sessions were delivered by Facebook - 'Establish your Presence on Facebook and Instagram and Raise Awareness of your Business Offerings' and 'Create Customer Loyalty'.



---

## RESEARCH OUTPUT

**This section includes research output by CIMR academic staff and Visiting Fellows.**

CIMR members continue to excel in research output.

**Muthu De Silva's** [Research Policy article](#) entitled 'Innovation intermediaries and collaboration: Knowledge-based practices and internal value creation' is listed among the Most Cited Research Policy Articles published since 2018.

Muthu De Silva and her co-authors won two best paper awards:

(1) Best Paper in 'Innovation, Management, and Governance for Sustainable Growth' at the ACIEK 2021 Conference - 2021, Academy of Innovation and Entrepreneurship Conference. Title: 'Fairly assessing the unfairness: an exploration of gender disparities in informal entrepreneurship in non-technology fields, the case of scientists in business schools' – Authors: Halilem Norrin, De Silva Muthu, and Amara Nabil.

(2) Best Conceptualisation Paper Award in Marketing, Strategy & Policy Conference 2021, 'Flexing capabilities: innovation ambidexterity and public innovation intermediaries' – Authors: De Silva Muthu; Howells Jeremy; Khan, Zaheer; Meyer, Martin.

CIMR research on greenwashing featured on [Forbes](#) (November 19 2021). A recent digital article by CIMR fellow Prof. Ben Laker (Henley Business School), published on Forbes, profiles Ellen Pei-Yi Yu's research on Greenwashing. Many thanks to Ben for helping our research gain greater visibility.

All publications by Birkbeck staff can be found on [Biron](#).

## SPECIAL ISSUES

**Federica Rossi** – Guest editor Special issue on 'University-Industry Collaborations for Inclusive Innovation and Sustainable Development', International Journal of Intellectual Property Management, Volume 12, Number 1, 2022. [Forthcoming papers are listed online.](#)

**Ulrich Hilpert** - Guest editor special issue *European Planning Studies* Sept 2021 *Industry 4.0 and Urban & Regional Development*. Volume 29, 2021 – [Issue 9](#).

**Strategic Change: Briefings in Entrepreneurial Finance**, whose editors are based at CIMR, announced four Special Issue calls for papers in 2021. They are: (a) Special Issue on Minorities Groups in Entrepreneurship, (b) Special Issue on Global Value Chains in a Digitalised Era, (c) Special Issue on Sustainable Policies for Entrepreneurship, and (d) Special Issue on COVID-19 and Entrepreneurship. [More details on these Calls for Papers can be found online.](#)

## BOOKS

Arundel, A., **Athreye, S.** and Wunsch-Vincent, S. (Eds.) (2021) '[Harnessing Public Research for Innovation in the 21st Century: An International Assessment of Knowledge Transfer Policies](#)', Cambridge University Press.

**Athreye, S.** and **Rossi, Federica** (2021) Policy recommendations. Aiming for effective knowledge transfer policies in high and middle income countries. In: Arundel, A. and Athreye, S. and Wunsch Vincent, S. (eds.) *Harnessing Public Research for Innovation in the 21st Century. An International Assessment of Knowledge Transfer Policies*. Intellectual Property, Innovation and Economic Development. Cambridge, UK: Cambridge University Press, pp. 393-417. ISBN 9781108842792.

**Grazia Ietto-Gillies** (2021) Japanese edition of *Transnational Corporations and International Production. Concepts, Theories and Effects*. London: Edward Elgar; third revised edition.

**Loet Leydesdorff**, [The Evolutionary Dynamics of Discursive Knowledge: Communication-Theoretical Perspectives on an Empirical Philosophy of Science](#). In: Qualitative and Quantitative Analysis of Scientific and Scholarly Communication (Wolfgang Glänzel and Andras Schubert, Eds.). Cham, Switzerland: Springer Nature, 2021.

## JOURNAL ARTICLES

**Andriani, Luca** (2021) Corruption aversion, social capital and institutional trust in a dysfunctional institutional framework: evidence from a Palestinian survey. *Journal of Economic Issues* 55 (1), pp. 178-202. ISSN 0021-3624.

**Andriani, Luca** and Bruno, R. and Douarin, E. and Stepien-Baig, P. (2021) Is tax morale culturally driven? *Journal of Institutional Economics* , ISSN 1744-1374. (In Press).

**Andriani, Luca** and Escudero Loaiza, M.M. (2021) Institutional trust and corruption: evidence from Latin America. *Revista Debates* 15 (1), pp. 247-274. ISSN 1982-5269.

**Archibugi, Daniele** (2021) Choosing your mentor: a letter to creative minds. *Journal of Innovation Economics & Management* 2021, 199-13. ISSN 2032-5355.

**Archibugi, Daniele** and Cellini, M. and Vitiello, M. (2021) Refugees in the European Union: from emergency alarmism to common management. *Journal of Contemporary European Studies* , ISSN 1478-2804.

**Archibugi, Daniele** and Mariella, V. (2021) Is a European recovery possible without high-tech public corporations? *Intereconomics – Review of European Economic Policy* 56 (3), pp. 160-166.

**Archibugi, Daniele, Evangelista, Rinaldo** and Vezzani, Antonio, 2021. Regional Technological Capabilities and the Access to H2020 Funds. *Journal of Common Market Studies*, 60, 1-19.

Assimakopoulos, D., **Lawton Smith, H., Baines, N, Romeo, S** and Tsouri, M (forthcoming) Oxford and Grenoble: multiple anchors, strong dyadic relationships and national policy in fostering cluster architectures *Regional Studies* (Published online November 2021).

**Athreye, S. and Rossi, Federica** (2021) [Policy recommendations. Aiming for effective knowledge transfer policies in high and middle income countries.](#) In: Arundel, A. and Athreye, S. and Wunsch Vincent, S. (eds.) *Harnessing Public Research for Innovation in the 21st Century. An International Assessment of Knowledge Transfer Policies*. Intellectual Property, Innovation and Economic Development. Cambridge, UK: Cambridge University Press, pp. 393-417. ISBN 9781108842792.

Caloffi, A. and Colovic, Ana **and Rossi, Federica** and Russo, M. (2021) [New business models for public innovation intermediaries supporting emerging innovation systems: the case of the Internet of Things.](#) *Technological Forecasting and Social Change* , ISSN 0040-1625. (In Press).

**De Silva, Muthu** and Gokhberg, L. and Meissner, D. and Russo, M. (2021) Addressing societal challenges through the simultaneous generation of social and business values: a conceptual framework for science-based co-creation. *Technovation*, ISSN 0166-4972. (In Press).

De la Torre, E. and **Ghorbankhani, Maryam and Rossi, Federica** and Sagarra, M. (2021) [Knowledge transfer profiles of Public Research Organizations: the role of fields of knowledge specialization.](#) *Science and Public Policy* , ISSN 0302-3427. (In Press).

**Fragkandreas, T.** (2021) Innovation and Income Inequality: Review, Research Themes and Avenues, *Prometheus: Critical Studies in Innovation*, forthcoming.

Fumasoli, T. and **Rossi, Federica** (2021) [The role of higher education institutions in transnational networks for teaching and learning innovation: the case of the Erasmus+ programme.](#) *European Journal of Education* 56 (2), ISSN 0141-8211. (In Press).

**Grazia letto-Gillies** (2021) Transnationality in the XXI century. Concept and indicators, *Critical Perspectives on International Business*, forthcoming.

Halilem, N. and **De Silva, Muthu** and Amara, N. (2021) Fairly assessing unfairness: an exploration of gender disparities in informal entrepreneurship among academics in business schools. *Technological Forecasting & Social Change*, ISSN 0040-1625. (In Press).

Henriette Ruhrmann, Michael Fritsch, and **Loet Leydesdorff** (2021), Smart Specialization Strategies at National, Regional, or Local Levels? Synergy and Policy-making in German Systems of Innovation. *Regional Studies* (2021, early view), 1-12; doi: [10.1080/00343404.2021.1872780](https://doi.org/10.1080/00343404.2021.1872780).

**Henry, Colette** (2021) 'Is there a role for entrepreneurship education in veterinary medicine? A UK study', accepted for publication in *Entrepreneurship Education & Pedagogy* (USASBE's journal).

**Jelfs, P., Lawton Smith, H.** (2021) Financial performance studies of university spin-off companies (USOs) in the West Midlands. *J Technology Transfer* <https://doi.org/10.1007/s10961-020-09835-0>

Johnson, M & **Loet Leydesdorff**, [Redundancies in the Communication of Music: An Operationalization of Schutz's "Making Music Together,"](#) *Systems Research and Behavioural Science* (In press).

Kaasa, A. and **Andriani, Luca** (2021) Determinants of institutional trust: the role of cultural context. *Journal of Institutional Economics* , ISSN 1744-1374.



**Letto-Gillies, Grazia** 'Reflections on organisational change and interdependence in a post Covid-19 Society', *Economia e Lavoro*, 2020, 2, pp. 77-91.

**Letto-Gillies, Grazia** 'Transnationality in the XXI century. Concept and indicators.', *Critical Perspectives on International Business*, (forthcoming).

**Lawton Smith, H.** and Waters, R. (2021). Universities, local labour markets and regional economic development *International Journal of Entrepreneurship and Small Business* 42 (1-2) 8-26.

**Leydesdorff, Loet** & Inga Ivanova, [The Measurement of "Interdisciplinarity" and "Synergy" in Scientific and Extra-Scientific Collaborations](#), *Journal of the Association for Information Science & Technology* 72 (2021) 387- 402;  
<https://doi.org/10.1002/asi.24416>

**Leydesdorff, Loet** & Lutz Bornmann, [Disruption Indices and their Calculation using Web-of-Science Data: Indicators of Historical Developments or Evolutionary Dynamics?](#) *Journal of Informetrics* 15(4), 101219.

**Leydesdorff, Loet**, Alexander Tekles, & Lutz Bornmann, [A Proposal to Revise the Disruption Index.](#) *El Profesional de la Informacion* 30(1), e300121.

**Leydesdorff, Loet**, Lutz Bornmann, and Caroline S. Wagner, Improved Clusterings and Visualizations of 11,359 Journals in the JCRs 2015, *Scientometrics* **126**(6) (2021) pages 5353–5354; <https://doi.org/10.1007/s11192-021-03938-7>.

**Leydesdorff, Loet.**, Wagner, C. S., & Zhang, L. (2021). Are University Rankings Statistically Significant? A Comparison among Chinese Universities and with the USA. *Journal of Digital and Information Science (JDIST)*, 6 (2) (2021): 67-95.  
[doi:10.2478/jdis-2021-0014](https://doi.org/10.2478/jdis-2021-0014)

**Leydesdorff, Loet** (2021). [Social Order: Continuously Reconstructed in Terms of Expectations](#), Open Peer Commentary to: Elena Esposito, *Constructivist Foundations* 6(3), 372-374.

**Leydesdorff, Loet** (2021). The institutional barriers of "Open Access". *AESIS Newsletter* (November 2021), <https://tinyurl.com/424k65ue>

**Leydesdorff, L** and **Lawton Smith, H** (2021) Triple, quadruple, and higher-order helices: historical phenomena and (neo-)evolutionary models *Triple Helix* 1-31.



**Leydesdorff, Loet** (2021). Die Mathematik und andere Kurzsprachen, [The Code of Mathematics: John von Neumann's The Computer and the Brain (1958)], pp. 279-288 in: Dirk Baecker (Ed.), *Schlüsselwerke der Systemtheorie* [Key Works of Systems Theory]. Fourth and revised edition. Springer VS, 2021.

Owalla, B **Vorley, T, Lawton Smith, H** and Wing, K (2021) Absent or overlooked? Promoting diversity among entrepreneurs with public support needs Int. J. *Entrepreneurial Venturing*, Vol. 13, No. 3, 2021 231-261.

**Rossi, F., Baines, N.** and **Lawton Smith, H.** (2021) [Which regional conditions facilitate university spinouts retention and attraction?](#) *Regional Studies* Special issue on Industrial Strategy.

**Rossi, Federica**, Caloffi, A., Colovic, A. and Russo, M. (2021) [New business models for public innovation intermediaries supporting emerging innovation systems: the case of the Internet of Things.](#) *Technological Forecasting and Social Change*.

Thor, A., Bornmann, L., Haunschild, R., & **Leydesdorff, L.** (2021). [Which are the influential publications in the Web of Science subject categories over a long period of time? CReXplorer software used for big-data analyses in bibliometrics.](#) *Journal of Information Science*, 47(3), 419-428.

Wong, W.L. and **Ross, Peter** and Peter, K. and **Frenz, Marion** and Hai, T. and Ridgeon, A. and Toop, R. and Strouhal, P. and Bomanji, J. (2021) [The COVID-19 pandemic: impact on NHS England PET-CT services and lessons learnt.](#) *Nuclear Medicine Communications* 42 (2), pp. 127-137. ISSN 0143-3636.

**Yu, Ellen Pei-yi** and Tanda, A. and Luu, B.V. and Chai, D.H. (2021) Environmental transparency and investors' risk perception: cross-country evidence on multinational corporations' sustainability practices and cost of equity. *Business Strategy and the Environment*, ISSN 1099-0836.

**Yu, Ellen P.** and Luu, B.V. (2021) International variation in ESG transparency – Do cross-listed companies care more? *International Review of Financial Analysis*, <https://doi.org/10.1016/j.irfa.2021.101731>.

Zhang, L., & **Leydesdorff, L.** (2021). The Scientometric Measurement of Interdisciplinarity and Diversity in Research Portfolios of Chinese Universities. *Journal of Data and Information Science*, 6(4), 13-35. doi: <https://doi.org/10.2478/jdis-2021-0027>

## BOOK CHAPTERS

**Lawton Smith, H** Mission Research: Experiences from the OECD in The Art of Informing and Impacting Policy (eds P. Wallace, Tim Vorley, S Abdul Rahman and L Tuckerman) (forthcoming).

**Lawton Smith, H.** (2021). Entrepreneurs, entrepreneurship policy and regional innovation systems, Ch 4 in I. Bernard and C. Karlsson (eds) *Unlocking Regional Innovation and Entrepreneurship: the Potential for Increasing Capacities* Cheltenham: Edward Elgar 63-79.

**Lawton Smith, H** and **Vorley, T** (2021) *United Kingdom* in C. Henry (ed) [OECD-Global WEP Report Entrepreneurship through a Gender Lens](#) Paris: OECD.

**Loet Leydesdorff, L** *The Evolutionary Dynamics of Discursive Knowledge: Communication-Theoretical Perspectives on an Empirical Philosophy of Science*. In: Qualitative and Quantitative Analysis of Scientific and Scholarly Communication (Wolfgang Glänzel and Andras Schubert., Eds.). Cham, Switzerland: Springer Nature, 2021.

**Rossi, F** (2021) 'Harnessing Public Research for Innovation in the 21st Century', edited by Suma Athreye, Anthony Arundel and Sacha Wunsch-Vincent. The book is [now available open access from Cambridge University Press](#).

## REPORTS AND POLICY BRIEFS

**De Silva, M.** and Maxwell, S. (2020), ["Case study from the United Kingdom about WILDLABS TECH HUB – initiative to fight illegal wildlife trades: Contribution to the OECD TIP Co-creation project"](#). Accessible online [as of 9/12/2020].

**Fragkandreas, T.** (2021), 'Innovation-Productivity Paradox: Implications for Regional Policy', Background paper for the OECD-EC High-Level Expert Workshop series 'Productivity Policy for Places', March 3 and 5.

**Hilpert, U** Sandulli, F, Torsten, S [Towards Sustainable Integration into European Industrial Development: Diversities of Innovative Transformation](#).

**Ietto-Gillies, G** – ["Il lato soffice degli investimenti da non trascurare"](#) Sbilanciamoci, Newsletter 651 of July 9 2021.

**Rossi, F.**, Caloffi, A., Colovic, A., Russo, M. (2020), '[Public innovation intermediaries and digital co-creation. Research contribution to the OECD TIP Co-creation project](#)'.

**Yu, E. P.**, Luu, B.V., and Chen. C.H. (2021) [International evidence on the mismatch between firms' ESG disclosure and ESG performance](#), *Sustainability Matters*, Conference Board. February.

## CIMR WORKING PAPERS 2021

The objective of the CIMR Working Papers is to publicise research being done by its academics, PhD students, Research fellows, Visiting fellows, Stakeholders and visitors.

**WP47** [Centripetal and centrifugal forces in technological activities: linking regional innovation performances to EU Science & Technology policies](#), Daniele Archibugi, Riccardo Evangelista and Antonio Vezzani.

**WP48** [Financial crisis of 2008 and outward foreign investments from China and India](#), Suma Athreye, Abubakr Saeed and Muhammad Saad Baloch.

**WP49** [Public innovation intermediaries and digital co-creation](#), Federica Rossi, Ana Colovic, Annalisa Caloffi and Margherita Russo.

**WP50** [Is a European Recovery possible without High-Tech Public Corporations?](#), Daniele Archibugi and Vitantonio Mariella.

**WP51** [Disability entrepreneurship research: review and critical reflection through the lens of individual-opportunity nexus](#), Te Klangboonkrong and Ning Baines.

**WP52** [Towards a problem-oriented regional industrial policy: Possibilities for public intervention in framing, valuation and market creation](#), Kieron Flanagan, Elvira Uyarra and Iris Wanzenböck.

**WP53** [Individual risk attitudes and local unemployment: Evidence from Italy in the Great Recession](#), Andrea Filippetti and Neil Lee.

**WP54** [The emerging quantum technology industry: Capital cities, entrepreneurship and policies](#), Saverio Romeo, Helen Lawton Smith, Erran Carmel and John Slater.

**WP55** [Mapping ethnic minority women entrepreneurs' support initiatives: Experiences from the UK](#). Lawton Smith, H and Owalla, O.

**WP 56** Innovation systems and income inequality: In search of causal mechanisms,  
Thanos Fragkandreas.

**WP 57** Mapping the distribution of Internet of Things competences across European regions,  
Margherita Russo, Annalisa Caloffi, Ana Colovic, Pasquale Pavone, Saverio Romeo, Federica Rossi.

---

## CIMR PHD STUDENT NEWS

Currently there are some twenty students within the Department of Management involved with CIMR. Their details are listed on the [CIMR website](#).

PhD students are invited to attend CIMR workshops, to submit working papers, to help organise events – sometimes as paid research assistants to CIMR, and to be speakers in CIMR events. These provide the main opportunities for networking and social activities.

We are celebrating three very recent PhD successes. Our congratulations to all for completing with minor revisions.

- **Thanos Fragkandreas** - *Innovation, Innovation Systems and Income Inequality A Study of Causal Mechanisms*.
- **Dina Mansour** - *An Institutional Theory Interrogation of the Egyptian Business Services Sector: The Triad Relationship of Institutions, Entrepreneurship and Institutional Intermediaries*.
- **Ayse Seyyide** - *How Refugee Entrepreneurship is enabled in Urban Settings in Europe*.

Many congratulations to **Dina Mansour**, CIMR associate and a recent PhD graduate from Birkbeck's Management Department, for her new job! Dina is now Lecturer in Entrepreneurship and VP of BUE's (British University in Egypt) Graduate School of Business.

---

# INNOVATION TEACHING IN CIMR

CIMR staff are engaged in research-led teaching to undergraduates, postgraduates and professionals. Teaching of entrepreneurship is a particular strength. CIMR faculty are experts in entrepreneurship and innovation. Drawing on our expertise, Birkbeck offers a range of entrepreneurship courses to undergraduate (UG) and postgraduate (PG) students, both as curricular and extra-curricular.

## CIMR TEACHING ACTIVITY

### Fellows

CIMR Fellow David Friel, *Entrepreneur Handbook* was the guest speaker in the Masters Entrepreneurship and Innovation lecture on Business Closure on May 14.

### Alumni

Saverio Romeo, who was a student in the very first year of the Masters Entrepreneurship and Innovation module in 2006, now gives two lectures in the module and delivers the Masters module on Blockchain.

### Courses and Programmes

- [Master of Business Administration \(MBA\)](#) – with Central Saint Martins
- [MSc BioBusiness](#) – joint programme with School of Science
- [Business Innovation including E-Business, Entrepreneurship and International Technology \(MSc/MRes\)](#)

### Modules

- Entrepreneurial Venture Creation (PG)
- The Entrepreneurship Process (PG)
- Business Project (UG)

## **Circular Support: Understanding Entrepreneurship**

Modules help students understand how to become entrepreneurial in a wide array of settings, including venture formation and introducing innovation in corporates, universities, intermediaries, communities and policy formation.

### **Modules Offered**

- Entrepreneurship and Innovation (PG)
- Entrepreneurial Finance (PG)
- Entrepreneurship and Small Business (UG)



More details of our activities can be found on our [website](#).

*Helen Lawton Smith, Marion Frenz and Federica Rossi*

January 2022

**Birkbeck, University of London**  
**Malet Street, Bloomsbury London WC1E 7HX**