



PROCEEDINGS

TRIPLE HELIX XI International Conference London, 8-10 July 2013

**Bringing Businesses, Universities and Governments
together to co-innovate and solve economic, social and
technological challenges**



The 11th Triple Helix conference is organised by the Big Innovation Centre, Birkbeck, University of London and UCL Advances, UCL University of London. It will be held in historic Bloomsbury at Birkbeck, UCL and Senate House, University of London.

PLENARY PAPERS

Monday 8 July, 11.00 – 12.20
Birkbeck, Malet Street 414

New business models in the digital age (Chair – Frances Pinter)

Digital Steel: Knowledge Transfer in the Australian Steel Fabrication Sector The Steel Industry Research Mapping Project	John Hamilton Howard (University of Canberra)
Knowledge Unlatched: Encouraging Innovation in Academic Publishing through Collective Action and Open Access Licensing	Lucy Montgomery (Queensland University of Technology)
Investment strategies in the value chain of the book publishing sector: how and where the R&D somewhat matter in creative industries?	Pierre-Jean Benghozi (Management Research Center (CRG), Ecole Polytechnique), Elisa Salvador (Management Research Center (CRG))
Business models in the digital economy	Signe Skov-Hansen (Technological Institute)
Pricing music in the digital age: Mutually advantageous price discrimination in practice	Thierry Rayna (ESG School of Management) , John Darlington (Imperial College London), Ludmila Striukova (Imperial College London)

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Determinants of the entrepreneurial and academic ability of individual researchers (Chair – Haibo Li)

The Role of Mentoring and Coaching in Fostering Early Phase Entrepreneurial Activity	Andrew Atter (Birkbeck, University of London)
The permanent effect of extraordinary events on scientists' performance	Catherine Beaudry (Polytechnique Montreal) , Seyed Reza Mirnezami (Polytechnique Montreal)
Study of the influence of university-industry cooperation on the university researchers' ability to innovate	Manuel Antonio Molina Palma (Universidade Estadual do Norte Fluminense Darcy Ribeiro) , Matheus Sepúlveda Peres Monteiro (Universidade Estadual do Norte Fluminense Darcy Ribeiro)
Research funding in the 'triple helix' era: does funding source determine researchers impact and to what extent? Empirical evidence from health research disciplines in Canada (2001-2008)	Moktar Lamari (Université du Québec) , Eva Anstett (Université du Québec)
How does the entrepreneurial orientation of scientists affect their scientific performance? Evidence from the Quadrant Model	Naohiro Shichijo (Waseda University), Silvia Rita Sedita (University of Padova) , Yasunori Baba (The University of Tokyo)

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Synergies between actors of Triple Helix model (Chair – Ingrid Schild)

The role of scientific and market knowledge in the inventive process: evidence from a survey of industrial inventors	Alessandra Scandura (London School of Economics and Political Science)
Diversity Impacts in Large Research Centers: Case Study of the US NSF Engineering Research Centers Program	David J McLaughlin (University of Massachusetts) , Kathleen Rubin (University of Massachusetts), Brooke Cooley (National Science Foundation)
Measuring Synergy in the Russian Innovation Systems	Evgeniy Perevodchikov (TUSUR University) , Alexander Uvarov (TUSUR University), Loet Leydesdorff (University of Amsterdam)
Research scholarly productivity of universities: From the perspective of knowledge transfer	Wei'e Wu (Zhejiang University of Technology) , Hua Tian (Beijing University of Posts and Telecommunications)
The Research University and the Synergistic Innovation: the evolution of the roles	Yixin Peng (Huazhong University of Science and Technology)

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Triple Helix and skill development (Chair – Catherine Lecoq)

Skills, social insurance, and changes in innovation investment after the onset of the financial crisis in Europe	Frederick Guy (Birkbeck, University of London)
How to Capture the Impact of the Engineering Doctorate (EngD) programme to Industry? Conceptual and Methodological issues related to Measuring the Performance of the Triple Helix Approach	Fumi Kitagawa (University of Manchester)
New motives of new scientific international mobility	Stefano Horst Baruffaldi (EPFL – Lausanne) , Paolo Landoni (Politecnico di Milano)
Mapping the academic-industrial landscape of an Engineering Doctorate Centre: a multiple-sector industrial R&D survey	Jamie O'Brien (University College London) , Chris Coleridge (University College London), Bowei Chen (Univeristy College London)
Matching the demand and supply of graduates' skills in the UK regions	Simona Iammarino (London School of Economics)

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Dynamic capabilities and interactions (Chair – Fabrizio Costa)

Implementing an ecosystem of open innovation: The ArcLabs story	Bill O'Gorman (Waterford Institute of Technology) , Willie Donnelly (Waterford Institute of Technology)
Understanding the dynamics of new venture teams: Homogeneity, Conflict and Overcoming Constraints	Danny Soetanto (Lancaster University Management School)
An investigation of inefficiencies and additionality in enterprise support: A framework for evaluating the Irish	David Pasley (Waterford Institute of Technology) , Bill O'Gorman (Waterford Institute of Technology)

enterprise support system	Institute of Technology), Sheila O'Donohoe (Waterford Institute of Technology)
University-industry knowledge transfer and the value of industrial inventions: Evidence from a survey of inventors of European patents	Claudio Fassio (University of Torino), Federica Rossi (Birkbeck, University of London) and Aldo Geuna (University of Torino)
Research, Development and Innovation (R&D&I) a study with research group leaders at UFF	Francisco José Batista de Sousa (Universidade Federal Fluminense) , Robson Moreira Cunha (Universidade Federal do Rio de Janeiro)

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Evolution and deployment of Triple Helix model (Chair – Donato Iacobucci)

Is an analysis in terms of temporalities a contribution to Triple Helix relations? Investigating the new temporalities of R&D in firms and research introduced by project-based working	Caroline Lanciano Morandat (LEST/Aix Marseille University), Lise Gastaldi (LEST/Aix Marseille University)
Deployment of Triple-Helix at Different Stages of Open Economy Development	Elena Erokhina (TUSUR University)
University-Industry-Government Relations and the Triple Helix Indicator	Loet Leydesdorff (University of Amsterdam), Inga A Ivanova (Far Eastern Federal University), Oivind Strand (Aalesund University College)
Triple Helix Movement Evolution: a Database from A Communications	Marcelo Amaral (Fluminense Federal University) , André Ferreira (Fluminense Federal University)
Improving the triple helix model for cross-nation analysis from the perspective of institutional theory	Yuzhuo Cai (University of Tampere)

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Finance and Triple Helix model: catalysing Triple Helix interactions through public finance (Chair – Pierre Nadeau)

Industry and Public Research Grants: Complements for A Research	Hanna Hottenrott (KU Leuven), Cornelia Lawson (University of Turin)
Innovation Funding: beyond financial aspects - a Brazilian company experience	Ícaro Santos (Natura Cosméticos)
Quality of academic scientific research across Europe. Is it all about money?	Manuel Acosta (University of Cádiz), Daniel Coronado (University of Cádiz), Esther Ferrándiz (University of Cádiz), M. Dolores León (University of Cádiz)
Government-backed investment funds and their behavioural additionalities: The Dutch Mibiton fund for leasing and sharing R&D equipment and its impact on follow-on financing and growth	Victor Scholten (KU Leuven) , Wim Hulsink (Erasmus University Rotterdam)
The Magic Roundabout: Exploring a young digital cluster in Inner East London	Max Nathan (London School of Economics), Emma Vandore (Centre for London) , Georgina Voss (Brighton University)

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Inducing innovation through IP management (Chair – Nicola Searle)

Brands and trademarks in an open innovation world	Teresa da Silva Lopes (The University of York) , Paul Duguid (University of Berkeley)
Branding Science: A Study Of Trademarks In Portuguese Academia	Joaquim Cabral Teixeira (ISCTE Business School)
Research and innovation in biotechnology: An analysis of the patents granted by Brazilian Universities in the last decade	Liliana Machado Mendes (Brazilian Intellectual Property Office)
Potentials and Strategies of Big Data as a New Value Generator	Jisun Jung (National Information Society Agency, Republic of Korea), Myungsun Jeong (National Information Society Agency, Republic of Korea)
Academic inventors and patenting activities: a case study on University-owned and University-invented patents in two Italian universities	Saveria Capellari (University of Trieste) , Domenico De Stefano (University of Trieste)

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Triple Helix in the developing world (Chair – Grazia Ietto-Gillies)

Applying the Triple Helix to Telecommunications Liberalization for Innovation in Less Developed Countries: The Case of Kenya	Aubrey J Merpi (Harvard Kennedy School of Government)
The Kenyan Triple Helix: Driving the economic transformation of the nation	Chris Green (SQW Group)
New dynamics in the interrelations between research and development in Albania: From National Innovation System towards the Triple Helix	Erjon Curraj (European University of Tirana), Blerjana Bino (Queen Mary, University of London)
Structural holes and intermediaries in the evolution of Triple Helix networks in Thailand with reference to the case of the MNC-dominated hard disk drive industry (HDD)	Karantarat Nakwa (University of Strathclyde), Girma Zawdie (University of Strathclyde)
Challenges to the Institutionalization of the Triple Helix in Developing System: Empirical Evidence from Thailand.	Suteera Chanthes (Mahasarakham University)

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Intermediaries that promote open innovation by main actors of Triple Helix (Chair – Solomon Darwin)

The key role of Science Parks in Epistemic Networks	Chiara Cantu (Cattolica University)
The Role of Innovation Brokers an a Knowledge Economy: The Fourth Strand to Triple Helix	Doug Henton (Collaborative Economics) , Jessie Oettinger (Collaborative Economics)
The contribution of Venture Capital to Innovation	Matteo Rossi (Univeristy of Sannio)
The Policy Shop: Innovation, Partnerships and Capacity-building	Sara McPhee-Knowles (University of Saskatchewan)
Intermediary Function of Rural Financial Institutions In Supporting Agricultural Finance In West Java	Tuti Karyani (University of Padjadjaran)

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Internationalisation and spatial variations (Chair – Odile Janne)

Innovation performance of knowledge-intensive business service SMEs within an uncompetitive regional economy: the case of Wales.	Aineias Gkikas (Cardiff University)
Economic Institutions and Location Strategies: A Mixed Logit Investigation of European Firms Investing in Neighbouring Countries	Andrea Ascani (London School of Economics)
The role of internationalization as a determinant of innovation performance. An analysis of 42 countries	Andrea Filippetti (National Research Council, Rome), Marion Frenz (Birkbeck, University of London), Grazia Ietto-Gillies (London South Bank University)
University Links with Knowledge Intensive Business Services: Explaining the Variation in the Spatial Nature of these Links	Andrew Johnston (Sheffield Hallam University) , Robert Huggins (Cardiff University)
Providing Competitiveness of an Entrepreneurial University in Russia through Its Internationalization	Irina Pavlova (Tomsk State University of Control Systems and Radioelectronics), Yury Lirmak (Tomsk State University of Control Systems and Radioelectronics)

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Inter-organizational knowledge flow (Chair – Frederick Guy)

Networking Deep Knowledge - London's Digital Media Start-up Communities and the Dynamics of Global Innovation Networks and Entrepreneurial Human Capital	Ian Dowson (William Garrity Associates Ltd), Fumi Kitagawa (University of Manchester)
The search of external sources in the open innovation process	Mauricio Henrique Benedetti (University Presbyterian Mackenzie) , Ana Lucia Vitale Torkomian (Federal University of Sao Carlos)
Innovation-Led Entrepreneurship and Inter-Organizational Knowledge Flow: The Formation of Network Capital	Robert Huggins (Cardiff University), Nick Clifton (Cardiff University)
Inter-organizational Collaboration and Innovation in Agricultural Biotechnology in India	Sambit Mallick (Indian Institute of Technology)
External knowledge, absorptive capacity pharmaceutical innovation in Nigeria	Willie Owolabi Siyanbola (Obafemi Awolowo University) , Oluwatosin Gbemisola Oladipo (Obafemi Awolowo University), Akindele Joshua Famurewa (Obafemi Awolowo University), Ibikunle Olalekan Ogundari (Obafemi Awolowo University), Ayobami Oyewale (Obafemi Awolowo University)

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Networks as determinants of open innovation outcomes (Chair – Catherine Beaudry)

University or non-university network? Finding partners during technology commercialisation from university	Danny Soetanto (Lancaster University)
Responsible Innovators and Open Innovation Towards	Marina van Geenhuizen (Delft University of Technology) , Qing Ye (Delft University of

Transitions in Sustainable Development: Network Conditions	Technology)
The role of the model: how it helps to create and foster partnerships to improve impact and outcomes	Sue Wilkinson (Elsevier BV)
Let's make a spin-off! How A researchers approach the business:	Silvia Rita Sedita (University of Padova) , Annalisa Caloffi (University of Padova), Francesco Gambarotto (University of Padova)
Open innovation and the triple helix: The case of neglected tropical diseases	Samantha Vanderslott (University College London)

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University generated knowledge: How best to use it? (Chair – Alexey Gusev)

Pragmatic Impact Metrics	Averil Horton (Brunel University) , Tim Jones (NPL), Laura Fedorciow (Vertigo Ventures)
Review of University Patenting in Europe	David Audretsch (Indiana University), Devrim Göktepe-Hultén (Lund University)
Multiple dimensions of knowledge transfer value	Federica Rossi (Birkbeck, University of London) , Ainurul Rosli (University of Wolverhampton), Nick Yip (University of East Anglia)
Access to universities' public knowledge: Who's more regionalist?	Joaquín M. Azagra-Caro (Ingenio (CSIC-UPV))
Knowledge Exchange in the Digital Media Industries	Nicola Searle (Intellectual Property Office) , Gregor White (University of Abertay Dundee)

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Evaluating Cooperative Research Centers: Developing Impact Assessment Strategies for Different Stakeholder Groups (Chair – Denis Gray)

Assessing Human Capital Outcomes: Impact of CRC Leadership Role on Faculty Scientist Careers and Other Outcomes	Denis Gray (North Carolina State University) , Drew Rivers (North Carolina State University)
Evaluating CRC Impact on Industry: Developing a Compendium of Breakthrough Case Studies	Craig Scott (University of Washington)
Impacts for Social-Value Stakeholders in Industry-University-Government Cooperation: Case Study of CChIPS' Impact on Child Injury Prevention	Eric Sundstrom (University of Tennessee) , Flaura Winston (Children's Hospital of Philadelphia), Kristy Arobogast (Children's Hospital of Philadelphia), John Bolte III (Ohio State University)
CIC: A Chinese Triple-Helix-based initiative in universities to promote U-I-G cooperation	Huiming Fan (Zhejiang University) , Xiaodong Zou (Zhejiang University), Xufeng Lv (Zhejiang University)
Assessing Government Capacity Building Impacts: Can Government Create Self-Sustaining CRCs	Lindsey McGowen (North Carolina State University)

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Models for driving innovation (Chair – Robert Huggins)

The Firjan System and the Rio de Janeiro Triple Helix	Fabiano Gallindo (Firjan System - Federation of Industries of Rio de Janeiro)
Technology Frontier on Bioenergy: analysis of two Networks of Innovation	Maria Ester Dal Poz (University of Campinas) , Jose Maria Ferreira Jardim Silveira (University of Campinas), Fabio Kenji Masago (University of Campinas)
Public support to drive innovation in emerging economies: Technology Park Program of Goias/Brazil	Aline Figlioli (Science and Technology Secretariat of Goias State)
The development of the Cluj IT Innovation Cluster: An implementation of the Triple Helix Model in Romania	Szilard Lazar (Babeş-Bolyai University)
Comparing patterns of innovation in three new energy sectors in China	Tariq S Durrani (University of Strathclyde)

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Challenges and emerging opportunities of Triple Helix model (Chair – Odile Janne)

The triple helix and the formation of a new social system	Alain-Marc Rieu (University of Lyon-Jean Moulin)
Bureaucracy As A Part Of The Triple Helix Model And An Agent Of Innovation Development	Andris Ozols (Daugavpils University)
Triple Helix Concept and Problems of Innovation Development in Russia and Ukraine	Igor Yegorov (National Academy of Sciences of Ukraine)
Triple Helix in the making: A Case of Public-Private Partnership in Russia	Tatiana Chernyavskaya (Vienna University of Economics and Business)
The Universal Guide of Governance	Joel Elisha McPhee, Jr. (Practitioner)

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Different forms of Triple Helix models (Chair – Marina van Geenhuizen)

Quadruple Helix and its types as user-driven innovation models	Anita Füzi (Széchenyi István University)
University Incubator and Quadruple Helix Interactions in the U.S. and Canada	Dan Shi (Ryerson University), Chien Wen Yu (Bridgewater State University)
Privatization, Modernization, Productivity and Networks: An Experience of Efficiency in the Brazilian Steel Industry	Marcelo Amaral (Fluminense Federal University) , Marilia Medeiros Schocair (Fluminense Federal University), Raphael Jonathas da Costa Lima (Fluminense Federal University)
Corporate Helix Model: Triple Helix Network for Developing Countries -Case Study of Samsung Corporation	Myung-Hwan Cho (Konkuk University)
The Hidden Triad: a proposal of how to 'move' Latin American universities based upon studies of the state of affairs in Peru	Ronnie Guerra (PUCP)

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New methods as enablers of strategic value creation (Chair – Martin Meyer)

The need for multiple methods to map, and more refined policy tools to promote, business-academia collaborations: The case of Hungary	Attila Havas (Hungarian Academy of Sciences)
Innovation Ambidexterity: Addressing Gaps in Theoretical and Empirical Interpretations	Olga Fernholz (University of Nottingham)
Finding the right 'pitch': Entrepreneurial innovation as storytelling	Kai P. Kaufmann (University of Liverpool)
Unlocking the economic potential of big data: A practical example of the value that can be created by cross-exploiting public and private big data	Sonia Sousa (Big Innovation Centre)
Technology-enabled innovation strategy: A practitioner's approach	Antony P. M. Hurden (Grounded Innovation Ltd)

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New models that explain relationships between actors in Triple Helix (Chair – Ekaterina Bulycheva)

Industrial sustainability in Vietnam: six lessons from social movement against HIV	Jae Hwan Park (University of Cambridge)
Regeneratio and through public participation: A case for an arts, craft and technology cluster in London Bridge area	Mahtab Akhavan Farshchi (London South Bank University), Henry Johnstone (London South Bank University)
Innovation Snail, Triple Helix, and Other Circular Processes in Economics	Nikolay A Badulin (NPP Business Angels of Siberia)
Co-creation: Resource integration and perception of value in research	Tim Hughes (University of the West of England)
Modes of innovation and the role of university technology transfer	Walter Valdivia (The Brookings Institution)

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Policy challenges in promoting innovation (Chair – Adrian Laycock)

Innovation policy instruments: Do they work in Poland?	Andrzej H Jasinski (University of Warsaw)
Governability and vision of innovation inside Mexican Public Higher Education Institutions as a challenge to connect Mexican Innovation Government Policies and harmonized SME's needs on triple helix system.	Angelica Nunez-Merchand (Instituto Politécnico Nacional)
Gender inequalities in careers	Vera Khlopotnikova (TUSUR University)
EMMIA: European Mobile and Mobility Industries Alliance - Policy Learning Platform: the impact of governmental, Academic and industrial interventions in new company formation.	Eoin Pdraig O'Neill (Trinity College Dublin), Juergen Vogel (Bavairia)

The policy challenge of promoting international and national research networks: the Green Islands Project of the MIT-Portugal Partnership Program	Teresa Patrício (CIES/ISCTE-IUL) , Rui Durão (ISCTE-IUL)
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Regional dynamics of Triple Helix model (Chair – Helen Lawton Smith)

Building a regional production cluster: A company perspective	Diane Filip (Aalborg University)
The regional dynamics of the triple helix: spaces of innovation, knowledge and consensus and the creation of firms in the Coimbra region (Portugal)	João Paulo Marques (University of Aveiro)
Exploring the regional triple helix through design knowledge exchange	Kathryn Burns (Birmingham City University)
A Comparative Analysis of Industry-A Collaboration among Three Regions in Japan	Kazuhiro Nozawa (Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan)
Place-based innovations: how to determine local key institutions to build and accelerate regional clusters in the Triple Helix model in Russia?	Liana Kobzeva (Tomsk State University of Control Systems and Radioelectronics), Evgeny Gribov (Tomsk State University of Control Systems and Radioelectronics)

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Empowering sectoral collaborations (Chair – Timothy Kaan)

Collaborative Trends in the Biomedical Sciences: Facilitators, and Outcomes for A Researchers	Sharmistha Bagchi-Sen (State University of New York – Buffalo) Chang Ho Lee (State University of New York – Buffalo), Jessie Poon (State University of New York – Buffalo)
Universities as a bridge in natural disaster management: a case of the 2011 Thailand Flood	Rungroge Kamondetdacha (National Science, Technology and Innovation Policy Office)
An empirical assessment of University-Industry collaborations in bio-pharmaceutical industry	Anna Giunta (University of Roma Tre), Eleonora Pierucci (University of Basilicata)
Effectuation, Discourse and Multisector Collaboration	Michel Rod (Carleton University)
Building interaction between university and local business: what do the actors think about it?	Carla Conti Freitas (State University of Goiás) , Yara Fonseca de Oliveira Silva (State University of Goiás), Julia Paranhos (Federal University of Rio de Janeiro), Lia Hansenclever (Federal University of Rio de Janeiro), Renata Lèbre La Rovere (Federal University of Rio de Janeiro)

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Technological innovation and Triple Helix model (Chair – Mariza Costa Almeida)

Capturing and explaining utilities stemming from academic research and development	Eugenia Perez Vico (Chalmers University of Technology)
Biodiesel production: a solar and windpower energy	Maria Ester Dal Poz (University of Campinas),

management and integration system model.	David Dutra dos Reis (University of Campinas), Murilo Santos da Silva (University of Campinas), Tanyra de Fátima Ferreira do Amaral (University of Campinas)
The Brazilian bio-energy program (BIOEN): Bioethanol transgenic plants innovation networks	Maria Ester Dal Poz (University of Campinas) , Jose Maria Jardim Silveira (University of Campinas), Fabio Kenji Masago (University of Campinas)
Eco-entrepreneurship in Brazilian social and economic context	Mariza Costa Almeida (Federal University of the State of Rio de Janeiro)
Assessment of Technology Innovation of Small Scale Firms in Nigeria's Industrial Estates	Stephen Akinade Adegbite (Obafemi Awolowo University)

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Sectoral systems of innovation: only a theoretical concept? (Chair – Tariq Durrani)

Coordination of public-private research: comparing eight industrial sectors	Laurens Hessels (Rathenau Instituut) , Barend van der Meulen (Rathenau Instituut)
Interaction and innovation across different sectors: Findings from Norwegian City Regions	Rune Dahl Fitjar (International Research Institute of Stavanger) , Andres Rodriguez-Pose (London School of Economics and Political Science)
Institutional change and innovation capability building in a regulated market: lessons from a Brazilian company from the electricity power distribution sector	Thiago Renault (Universidade Federal Rural do Rio de Janeiro) , José Manoel Mello (Universidade Federal Fluminense), Suzana Hecksher (Universidade Federal Fluminense), Fernando Ferraz (Universidade Federal Fluminense)
The Failure of Sectoral Innovation System in Taiwan's Pharmaceutical Industry: the Misalignment of the Triple Helix?	Mei-Chih Hu (National Tsing Hua University)
The pharmaceutical system of innovation and the industry-university interaction in the state of Rio de Janeiro, Brazil	Julia Paranhos (Federal University of Rio de Janeiro) , Lia Hasenclever (Federal University of Rio de Janeiro)

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The role of clusters in Triple Helix (Chair – Christiane Gebhardt)

Innovation Territorial Clusters and Strategic Economic Development of Russian Federation	Alexander Uvarov (TUSUR University) , Evgeniy Perevodchikov (TUSUR University)
European Cluster Initiatives: Intermediary Actors within the Triple Helix	Inesa Laur (Linköping University) , Dzamila Bienkowska (Linköping University), Magnus Klofsten (Linköping University), Håkan Ylinenpää (Luleå University of Technology), Joakim Wincent (Luleå University of Technology)
Technology Platforms in Russia: A Catalyst for Cluster Development?	Irina G Dezhina (Skolkovo Institute of Science and Technology)
The spatial clustering of U.S. technology IPOs	Pierre Nadeau (Birkbeck, University of London) , Helen Lawton Smith (Birkbeck,

	University of London)
Shaping-up cluster with Triple Helix collaboration: The case of Malaysia	Zatun Najahah Yusof (University of Stirling)

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Regional variation: Triple Helix model (Chair – Simona Iammarino)

Knowledge mechanisms, innovation system synergy and regional economic dynamics in Hungary: a firm level analysis	Balazs Lengyel (International Business School, Budapest)
Intelligent Solutions Sustaining Urban Economies: A Triple Helix Approach	Clare Edwards (De Montfort University) , Agata Ciolkosz-Styk (IGiK), Eric Goodyer (De Montfort University), Alan Wells (University of Leicester), Steve Dibnah (Leicester City Council), Hanna-Kaisa Saari (Aerospace Valley), Suchith Anand (University of Nottingham), David Convers (Aerospace Valley), Jaques Bouffier (CETE SO), Gherado Chirici (University of Molise), Bruno Lasserre (University of Molise), Fabrizio Spallone (University of Molise), Teresa Raventos (University of Leicester), Pawel Kwiatowski (IGiK), Andrew Groom (Astrium)
Science towns and science clusters in the 2000s: an institutional comparison of Russia's Obninsk, Akademgorodok, and Skolkovo	Imogen Wade (University College London)
Innovation For Sustainable Development: Building Capabilities for Local and Global Markets at INDMIRA	Emanuela Todeva (University of Surrey) , Alfin Samir (Indmira)
Regional Agglomerations and Innovation Dynamics: Is Location Important for Green Goods Companies in the UK?	Marianne Sensier (University of Manchester) , Abdullah Gök (University of Manchester), Philip Shapira (University of Manchester), Jan Youtie (Georgia Institute of Technology)
Networks of innovation and exchange of innovative labour: regional development based on trans-regional synergy and collaboration	Ulrich Hilpert (Friedrich-Schiller-University)

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Motives and impact of spin-off formation (Chair – Donato Iacobucci)

How to evaluate the impact of Academic spin-offs on the regional context	Alessandra Micozzi (Università Politecnica delle Marche), Donato Iacobucci (Università Politecnica delle Marche)
Entrepreneurs' Human Capital in University Technology Transfer: An Evaluation of the External Entrepreneur Model	Anders Billstrom (Halmstad University)
Using Importance-Performance Analysis to Identify Determinant Attributes of Entrepreneurial Orientation within the Italian University Departments	Angelo Riviezzo (University of Sannio) , Maria Rosaria Napolitano (University of Sannio)
The Dynamisms of Entrepreneurial Motivation: A Case of the Formation of Spin-offs by Academics operating in a Resource Constrained Environment	Lasandahasi Ranmuthumalie de Silva (Big Innovation Centre)

Conducting pro-social research: cognitive diversity, research excellence and awareness of the social impact of research	Pablo D'Este (Polytechnic University of Valencia)
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The role of technology transfer offices in driving university engagement with its users (Chair – Tim Barnes)

Situated learning in university Knowledge Transfer Offices: 'science push' and match-making approaches to commercialisation of research	Dagmara Maria Weckowska (University of Sussex)
Research spin-off firms: does the university involvement really matter?"	Elisa Salvador (Ecole Polytechnique) , Pierre-Jean Benghozi (Ecole Polytechnique)
Cost-Benefit Analysis of Triple Helix Technology Transfer Programs in Canada: What Counts and What Can Be Counted?	Eva Anstett (University of Québec) , Moktar Lamari (University of Québec)
The university contribution for the national system of innovation in Brazil	Alexandre Nabil Ghobril (University Presbyterian Mackenzie), Mauricio Henrique Benedetti (University Presbyterian Mackenzie) , Nelson Destro Fragoso (University Presbyterian Mackenzie), Vânia Jorge Nassif (University Nove de Julho)
Technology transfer in Mexican Universities: a new approach in the context of open innovation	Jose Luis Solleiro (Universidad Nacional Autonoma de Mexico) , Rosario Castanon (Universidad Nacional Autonoma de Mexico)

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From ivory tower to commercial world (Chair – Andrew Atter)

Far from an Ivory tower: Researchers as enablers of commercialization	Eva Berggren (Halmstad University)
From the lab to the stock market? An analysis of university-oriented seed funds in Europe	Federico Munari (University of Bologna), Martina Pasquini (Pasquini) , Laura Toschi (University of Bologna)
Toward a theory of university-business engagement franchising	Lola Dada (Lancaster University)
Application of the 'Entrepreneurial Universities' organizational models introduced by Silicon Valley to specific Russian conditions	Nataliya Ivashchenko (Lomonosov Moscow State University), Tatiana Pospelova (Lomonosov Moscow State University)
Usefulness of SSH PhD Graduation in Hungary	Annamaria Inzelt (IKU Innovation Research Centre), Laszlo Csonka (IKU Innovation Research Centre)

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Regionalisation approach; complementary to national innovation systems (Chair – Koenraad Debackere)

What Differentiates Top Regions in the Field of Biotechnology? An empirical Study of the Texture	Catherine Lecocq (KU Leuven) , Bart Van Looy (KU Leuven)
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Characteristics of 101 Biotech Regions in North-America, Europe and Asia-Pacific.	
Commercialisation of Public Sector Innovation – the Malaysian Experience	Mariatini Othman (Malaysian Technology Development Corporation)
Institutional and regional factors behind university patenting in Europe: An exploratory spatial analysis using EUMIDA data	Márton Horváth (University of Pecs), Attila Varga (University of Pecs)
Evaluating the Use of Peer Review in the development of regional Research and Innovation Strategies for Smart Specialisation.	Ruslan Rakhmatullin (European Commission - Joint Research Centre)
Sustainability Challenges of Triple Helix Implementation: a Case Study of Khonkaen One Stop Services	Somnuk Puangpronpitag (Mahasarakham University) , Wirat Phongsiri (Mahasarakham University)

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The role of universities in Triple Helix (Chair – Sharmistha Bagchi-Sen)

Contextualizing the Triple Helix framework for emerging economies: An investigation of the role of university identities	Debabrata Chatterjee (Indian Institute of Management Kozhikode) , Balram Sankaran (Sree Chitra Tirunal Institute for Medical Sciences and Technology)
Promoting innovation and University-Business relationships in the Algarve region	Hugo Filipe Barros (University of Algarve)
University and Its Societal Environment: Empirical and Theoretical Reflections on the Triple Helix Model	Juha Kalevi Tuunainen (University of Helsinki), Kari Kantasalmi (University of Helsinki)
Open innovation in practice: Evidence from British universities	Ludmila Striukova (University College London)
Innovative Educational Strategies And Approaches For Better Integration Of Graduates Into Modern Business Environment (Case Study of Tusur University, Russia)	Maria Afanasyeva (Tomsk State University of Control Systems and Radioelectronics)

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University spin-off companies: Ability to generate commercial benefit from university generated knowledge (Chair – Jose de Mello)

How to foster women entrepreneurship in spin-offs	Alessandra Micozzi (Università Politecnica delle Marche), Pierpaolo Pattitoni (Università degli Studi di Bologna)
Spin-off or Spin-in: a model for technology transfer and commercialization	Joel Weisz (Universidade Federal Fluminense) José Manoel Carvalho de Mello (Universidade Federal Fluminense), Suzana Dantas Hecksher (Universidade Federal Fluminense), Fernando Toledo Ferraz (Universidade Federal Fluminense)
Technology based start-ups in a Brazilian university: a longitudinal case study of resources development and allocation	Thiago Renault (Universidade Federal Rural de Rio de Janeiro) , José Manoel Mello (Universidade Federal Fluminense), Marcus Vinicius Fonseca (Universidade Federal do Rio de Janeiro), Sergio Yates (Pontifícia Universidade Católica do Rio de Janeiro)
Demystify Product and Service Innovation of University Spin off Companies in the UK	Nabhassorn Baines (Birkbeck, University of London) , Helen Lawton Smith (Birkbeck,

	University of London)
Performance analysis of spin off companies from a UK 'redbrick' university: A case study of the University of Birmingham	Peter Jelfs (Birkbeck, University of London)

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Universities and local development (Chair – Konstantin Fokin)

Systems modelling of the UK Industrial Strategy: The Contribution of Regional Higher	Daniel Arthur (International Policy Dynamics), Jonathan Moizer (Plymouth University)
Role of Local Forum for Bridging Transfer of Technology: Lesson Learned Community University Partnership from Jatinangor University Town	Ery Supriyadi Rustidja (Institut Koperasi)
University competition and local development: a spatial approach	Mattia Cattaneo (University of Bergamo), Paolo Malighetti (University of Bergamo), Michele Meoli (University of Bergamo), Stefano Paleari (University of Bergamo)
Knowledge based development in university towns	Michela Lazzeroni (Università di Pisa), Andrea Piccaluga (Istituto di Management, Pisa)
Local Enterprise Partnerships and Universities collaborating to deliver local economic growth through European Structural Funds: local and national perspectives	Sue Brownlow (Combined Universities in Cornwall), Greg Wade (Universities UK)

Intermediary Function of Rural Financial Institutions In Supporting
Agricultural Finance In West Java

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Theme : **Building an innovation friendly financial system**

Title : Intermediary Function of Rural Financial Institutions In Supporting
Agricultural Finance In West Java

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Abstract

Nowadays there are various rural financial institutions (RFI), but unfortunately farmers and agribusiness SMEs still face lack of capital. In general, risk averse attitudes among RFIs upon agricultural and rural sectors were still dominant, so intermediary function of RFI was not running

well. The research was conducted in West Java both at macro and micro level using panel regression analysis and the Structural Equation Model (SEM) respectively. The results at the macro level show that RFI intermediation function was affected by TPF, NPL and the SBI. Amount of credit disburse reduce poverty level, so that poverty in West Java was difficult to be reduced as long as intermediary role of RFI was not well functioned. On the micro level the intermediary function reflected on the quality of service which turns a positive effect on business performance and sustainability of farmers and agribusiness SMEs.

Keywords: intermediary function, sustainability, poverty.

Introduction

Importance of credit agriculture development in Indonesia is related to farmers' typology which is largely small farmers with a narrow land ownership, so that it is impossible to invest capital for new technologies. Whereas as cited from De Sotro (2000) : "investment is the engine for economic growth. Access to financial services can provide access to the production means required to increase agricultural productivity and scale that lead to higher incomes". Narrow ownership and rigid financing for farmers and small-medium enterprises caused agricultural society can not access formal financing sources easily, so this sector tend to be overlooked. This condition can be seen from the data that only 2-3% credit was spent for agricultural sector, as well as if it is segmented to small and medium enterprises, the percentage is only around 3 percent.

Actually in the urban area there are development of non formal institutional forms (Uphoff, 1986; Hastuti & White, 1979) like output traders, input traders, social gathering and so on but potential of formal financing institution should be optimized because this