



Welcome to Manchester for the XVI Triple Helix Conference 2018. Across the world, states and city regions are facing huge societal, economic, environmental, and political challenges whose solutions require concerted new efforts and innovative partnerships. The 2018 International Triple Helix Conference brings together academia, government, business, and community to share effective practices and to advance the frontiers of knowledge about collaboration for economic progress, social development and sustainability, and the role of cities and regions as enabling spaces for these interactions.

**CONFERENCE GRID. FOR MOST UPDATED VERSION, SEE ONLINE SCHEDULE AT [HTTP://THC2018.ORG/](http://thc2018.org/) OR THE EVENT APP**

<b>Wednesday 5 September - Pre-Conference and Opening Roundtable</b>	
	<b>City Labs</b> 1.0, Nelson Street, Manchester, M13 9NQ
<b>13:00</b>	Registration opens
<b>14:00</b>	<b>Triple Helix Masterclass</b> Chair: Maria Nedeva (University of Manchester). Presenters: Loet Leydesdorff (University of Amsterdam) and Henry Etzkowitz (President, Triple Helix Association).
<b>16:00</b>	End
<b>16:15</b>	<b>Triple Helix Opening Roundtable Panel: Welcome &amp; Panel: Powering Strategies for Innovation</b> City Labs 1.0, Nelson Street, Manchester, M13 9NQ Welcome: Jackie Oldham (University of Manchester) Powering Strategies for Innovation. Roundtable organized by Chris Fox, North West Business Leadership Team Roundtable Chair: Justin Kelly, Siemens UK David Pinder, CEO, Baxi UK. Dean Cook, Head of Regional Engagement, Innovate UK Laura Webb, Technology Consulting Lead, Accenture Luke Georghiou Deputy Vice Chancellor, University of Manchester Susan Smith, Head of Daresbury Laboratory, STFC.
<b>18:00</b>	<b>Welcome Reception:</b> Atrium, City Labs 1.0, Nelson Street, Manchester Sponsors: Alliance Manchester Business School; Hallsworth Conference Fund; Manchester Institute of Innovation Research Remarks: Jakob Edler (University of Manchester)
<b>19:30</b>	End

**CONFERENCE SUPPORTERS:**



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**MANCHESTER INSTITUTE  
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The **Manchester Institute of Innovation Research** is a centre of excellence in the field of innovation studies. With 40 members, approximately 50 PhD researchers, and many associated academics, we are Europe's largest - and one of the world's leading research centres in our field.

With a heritage of over 50 years of science and innovation policy research and management at the **University of Manchester**, and a rich legacy of looking in to the relationship between academia, business and policy, we are delighted to support the XVI Triple Helix Conference in Manchester 2018.

<http://www.research.mbs.ac.uk/innovation>

Thursday 6 September

8:30	<p>Welcome (Chair: Jackie Oldham, University of Manchester, UK)                  Speakers: Luke Georghiou (University of Manchester, UK) and Henry Etzkowitz (Triple Helix Association)                  Theatre A</p>
8:45	<p>Keynote session - Maureen McKelvey (University of Gothenburg, Sweden) "Knowledge-Intensive Innovative Entrepreneurship: Why and how these firms are dependent upon the dynamics of their ecosystem"</p>
9:20	<p>END</p>

	Theatre A	Room 1.219	Room 2.219	Room 2.220	Room 6.206
9:30	<p>Regional Innovation Ecosystems. Chair: Audrey Stolze (Munich University of Applied Sciences, Germany)</p>	<p>Triple Helix Dynamics I. Chair: Fumi Kitagawa (University of Edinburgh, UK)</p>	<p>Triple Helix in Transition Economies 1. Chair: Alexy Gusev (Russian Venture Company and Moscow State University, Russian Federation)</p>	<p>TH in Services and Creative Industries. Chair: Emanuela Todeva (St Mary's College, UK)</p>	<p>Partnering for Medical Innovation 1. Chair: Ronnie Ramlogan (University of Manchester, UK)</p>
1	<p>University campuses as living labs: Challenges of 'multiple matching', Marina Van Geenhuizen (Delft University of Technology, Netherlands)</p>	<p>Dynamic interactions between university-industry: evidence from Brazil and Spain, Lydia Bares Lopez (University of Cadiz, Spain), Kelyane Silva (Brazilian National Institute of Industrial Property, Brazil), Josealdo Tonholo (Federal University of Alagoas, Brazil)</p>	<p>The African University Renewal: Towards an Integrated Triple Helix Development, James Dzisah (University of Ghana, Ghana)</p>	<p>Triple Helix Collaboration for Service Innovations? Feng-Shang Wu (National Chengchi University, Taiwan)</p>	<p>Demand heterogeneity, decomposability and the coordination of innovation in multi-unit health organizations, Paul Windrum and Sampsa Ruutu (Nottingham University Business School, UK)</p>
2	<p>Triple Helix in Action: How Academia, Public and Private Partners collaborate to Compete in Copenhagen, Carolina Benjamensen and Catharina Høgdal (Ørestad Innovation City, Denmark)</p>	<p>Does government engagement with university and industry significantly vary between the US and EU?, Stephen Carley (Search Technology, USA)</p>	<p>University-industry engagement: industry insights from Sri Lanka and Pakistan, Khaleel Malik (University of Manchester, UK)</p>	<p>Cultural and Creative Industries and Knowledge Transfer: A Quadruple Helix Approach in Selected Atlantic Regions, Rodrigo Almeida, Ana Rita Cruz, Pedro Costa, Maria Assunção Gato, Margarida Perestrelo (Instituto Universitário de Lisboa and Centre for Socioeconomic and Territorial Studies, Portugal)</p>	<p>Prospective evaluation of Policy Instruments: What prescriptions for tackling the problem of antimicrobial resistance? Frederique Bone, Josie Coburn, Michael Hopkins (University of Sussex, UK) and Jorge Mestre-Ferrandiz (Office of Health Economics, UK)</p>
3	<p>Re-planning Larissa based on the Triple Helix model: Using heritage to shape its urban future, Maria Markatou (University of Thessaly and Municipality of Larissa, Greece)</p>	<p>Social Economy and Entrepreneurship as the new "battle-horse" in the evolution of Science and Technology Parks, Juan Antonio Bertolin, David Cabedo (Universitat Jaume I of Castellon, Spain), Miguel Angel Gonzalez (Parque Científico de Innovación Social, Colombia)</p>	<p>University-Industry-Government Relations in a Fast Developing Economy: Co-existence and Dynamism, Chao Li, Mercedes Bleda (University of Manchester, UK), Philip Shapira (University of Manchester, UK and Georgia Institute of Technology, US)</p>	<p>Non-technological application of the triple helix model, Karmen Lužar (James Cook University, Australia)</p>	<p>The importance of incremental innovation: The case of Sub Cutaneous Herceptin® - Trastuzumab, Dimitri Gagliardi, Ronnie Ramlogan, (University of Manchester, UK) Prof Pierluigi Navarra, Cinzia Dello Russo (Catholic University, Italy)</p>
4	<p>Exploring dynamic actors' roles by combining the Triple Helix model and innovation ecosystem, Jiaying Li (University of Manchester, UK)</p>	<p>Links established between public labs and industrial system: an Italian case Study, Ugo Finardi and Secondo Rolfo (Cnr-IRCrES, Italy)</p>	<p>Which is the role of universities in regional transformative change? The case of Colombia, Edurne Magro (Orkestra-Deusto Business School, Spain), Matias Ramirez (SPRU-University of Sussex, UK), Elvira Uyarra (University of Manchester, UK)</p>	<p>Triple-Helix Collaboration on the example of the Cultural Project: The Golden Ring of Siberia, Elena Vaganova and Yilia Kaluzhnaya (National Research Tomsk State University, Russian Federation)</p>	<p>In governance we trust. Experimentation at the interface between medical research and clinical practice, Maureen McKelvey (University of Gothenburg, Sweden) Rögnvaldur Jóhann Sæmundsson (University of Iceland, Iceland), Olof Zaring (University of Gothenburg, Sweden)</p>
11:00	<p>Coffee break (The Drum, Exhibition Area)                  Sponsor: Greater Manchester Combined Authority</p>				

Thursday 6 September					
	Theatre A	Room 1.219	Room 2.219	Room 2.220	Room 6.206
11:30	<b>Research Impact. Chair: Maria Karaulova (University of Manchester, UK)</b>	<b>Triple Helix Dynamics 2. Chair: Carolina Benjaminsen (Ørestad Innovation City, Denmark)</b>	<b>Triple Helix in Transition Economies 2. Chair: Edurne Magro (Orkestra-Deusto Business School, Spain)</b>	<b>Social entrepreneurship and transdisciplinary research: challenges and opportunities of co-developing a gamified digital technology (Panel Session). Chair: Tony Walker (University of Manchester, UK)</b>	<b>Partnering for Medical Innovation 2. Chair: Frederique Bone (University of Sussex, UK)</b>
1	Capabilities, epistemic justice and the impact of humanities, Eirikur Smári Sigurðarson (University of Iceland, Iceland)	What makes the helix turn? Designing collaboration between self-interested partners, <b>Ben Dankbaar</b> (Radboud University Nijmegen, Netherlands)	Creating a Favorable Legal Framework for the Brazilian Triple Helix - A 20 Year Saga Guilherme, <b>Ary Plonski</b> (University of São Paulo, Brazil)	<b>Paul Dewick</b> (Alliance Manchester Business School, University of Manchester, UK)	How are university-based medical innovations processed within a Triple Helix setting? The case of London, <b>Shelly-Ann Gajadhar</b> (King's College London, UK)
2	The formation of impact strategies by universities: The case of the Social Sciences and Humanities, Stefan De Jong (University of Manchester, UK; Leiden University, Netherlands)	Industrial and government partnerships in international university research ventures: complementarity or substitution for local academia? <b>Sergey Koleskinov</b> (Arizona State University, USA) Seokkyun Woo, Jan Youtie (Georgia Institute of Technology, USA), Philip Shapira (Georgia Institute of Technology and University of Manchester, UK)	Innovation and Technological Development: The Brazilian Army in the Triple Helix Model, <b>Bruno Marinho</b> , Lenilton Corrêa, Isabel Freitas (Management and Technological Innovation Agency, Brazil)	<b>Emma Stanmore</b> (School of Health Sciences, University of Manchester, UK)  <b>David Hoyle</b> (New Charter Group, UK)	Heterogeneity and homophily in actors' engage in medical innovation: gender implications, <b>Adrian A. Diaz-Faes</b> , Paula Otero-Hermida and Pablo D'Este (Universitat Politècnica de València, Spain)
3	Governing the 'impact agenda' in the UK: Implications for social sciences and humanities, Corina Balaban (University of Manchester, UK)	An exploratory study on the university-industry collaboration: A Moroccan university perspective, <b>Zineb Elandalousi</b> (National School of Management, Morocco)	Does Signaling Matter for Knowledge Exchange in Emerging Economies? A Study of Indian Universities, <b>Abhijit Sengupta</b> (University of Essex, UK)	<b>Ed Cox</b> (Reason Digital, UK)	Developing entrepreneurial spirit to minimize woman and child violence: an experiential program in West Java, <b>Ami Purnamawati</b> , Ery Rustidja, Yuanita Indriani, Rosti Setiawati (Cooperative Institute of Indonesia, Indonesia)
4	The Role of Academia in Times of Omnipresent Knowledge: Effectuation among Academic and Non-Academic Entrepreneurs. <b>Patricia Strauss</b> . Rheinisch Westfälische Technische Hochschule (RWTH) Aachen, Aachen, Germany	Linking firm characteristics, science park attributes and perceived benefits: empirical approach and results, <b>Benny Ng</b> , Rianne Appel-Meulenbroek, Myriam Clodt, Theo Arentze (Eindhoven University of Technology, Netherlands)	Entrepreneurial Research Culture Preconditions Innovation Ecosystem; A Case Study of Innovation Summit in Pakistan, Mr Rahmat Ullah, Rashida Rahmat Zohra (IRP, Pakistan), <b>Emanuela Todeva</b> (St. Mary's University, London, UK), Aqsa Altaf (BZU, Pakistan)		
13:00	<b>Lunch &amp; Poster Session (The Drum, Exhibition Area)</b>				

Thursday 6 September					
Poster Presentations (simultaneous)					
P-1	<b>Adriana Ferreira De Faria</b> , Federal University of Viçosa, Brazil. A reference model for technology parks management using Balanced Scorecard (BSC).				
P-2	<b>Wania Cavalcanti</b> , Universidade Federal Fluminense, Brazil. Regional innovation systems and its importance for the absorptive capacity of spin-offs academic origin.				
P-3	<b>Marina Reshetnikova</b> , RUDN University, Russian – Federation. Comparison of the Triple Helix elements in the National Innovation Systems of China and Russia.				
P-4	<b>Qianqian Zhang</b> , Beijing Institute of Technology, China, and The University of Manchester, UK. Design of A Virtual Network Organization for University-enterprise-government Cooperative Scientific Research Projects with University-dominant Type.				
P-5	<b>Veronika Rotnova</b> , Kazakh-Russian International University, Kazakhstan. Innovative activity in state universities of Kazakhstan.				
P-6	<b>Aliya Idrissova</b> , Kazakh-Russian International University, Kazakhstan. Kazakhstani Universities as Innovation Drivers.				
P-7	<b>Pedro Gilberto Aloise</b> , Universidade De Caxias Do Sul, Brazil. Obstacles to eco- innovation in Manaus free zone (Brazil) under the perspective of Triple Helix.				
P-8	<b>Maria Vivar-Simon</b> , Mondragon University, Spain Assessing the Impact of Civic University-Business Cooperation: the case of Mondragon University.				
P-9	<b>Nailah Conrad</b> , University Of Cape Town, South Africa. Improving access to health services for the Deaf through community engagement and design thinking.				
P-10	<b>Patricia Strauss</b> , Rheinisch Westfälische Technische Hochschule (RWTH) Aachen, Germany. The Impact of Self-Evaluation on Burnout: The Surprising Role of Effectuation.				
P-11	<b>Alessia De Santis</b> , Public Administration Consultant, Brazil. The philological refunctionalization of the Campania Region UNESCO sites according to the Quadruple Helix Model.				
P-12	<b>Kalil El Kadri Monteiro</b> , Brasil Júnior (Brazilian Confederations of Junior Enterprises), Brazil. Entrepreneurial University Index: how the Triple Helix can promote Universities as local socioeconomic engines.				
P-13	<b>Ario Alipanah</b> , Royal Institute of Technology - KTH, Sweden. Implications for practice of triple/quadruple helix collaborative work- Identifying factors for commercialization, scalability and diffusion.				
P-14	<b>Andrea Greven</b> , Rwth Aachen, Germany University Scientists as Entrepreneurs - Enhancing the Intention for New Venture Creation through Industrial Collaboration.				
P-15	<b>Gergana Romanova</b> , University Of Copenhagen, Denmark University strategies for increased collaboration: A case study of the Science Faculty, University of Copenhagen.				
P-16	<b>Gisele Rodrigues</b> , Atayde University of São Paulo, Brazil Academic Scientists and their practices in the technology planning for academic spin-offs.				
Thursday 6 September					
	Theatre A	Room 1.219	Room 2.219	Room 2.220	Room 6.206
14:00	<b>STEM Migrants: Their role in research and innovation (Panel Session). Chair Cornelia Lawson (University of Bath, UK)</b>	<b>Triple Helix Dynamics Across Borders. Chair: Abid Shirwani (University of Technology and Management, Pakistan)</b>	<b>Complexities of multi-actor innovation: Chair: Tariq Durrani (University of Strathclyde, UK)</b>	<b>Commercialisation and Organisational Capacities. Chair: Barry Bozeman (Arizona State University, USA)</b>	<b>The Connected Health Cities method: A cross-sector partnership approach to improving health outcomes (Panel Session). Chair: John Ainsworth (University of Manchester, UK)</b>
1	Skilled migration, innovation and urban economies. <b>Max Nathan</b> (University of Birmingham, UK)	The cross-border triple helix dynamics: an evolutionary perspective from Hong Kong and Shenzhen, <b>Fumi Kitagawa</b> (University of Edinburgh, UK) and Hugo Horta (University of Hong Kong, China)	Commercialization of technological developments in Russia: Triple Helix (using the example of ITMO University), <b>Svetlana Romyantseva</b> , Elena Korostyshevskaya and Ivan Samylov (St.Petersburg State University, Russian Federation)	Converting the potential: Patenting and Commercializing, A Fuzzy set Analysis of Canadian Technology Transfer Offices, Norrin Halilem, Nabil Amara, Pascal Paillé, Balla Diop (Laval University, Canada)	The Connected Health Cities method, <b>John Ainsworth</b> (University of Manchester, UK)
2	High skilled migrants, diaspora networks, knowledge diffusion and international capital flows, <b>Ernest Miguelez</b> (GREThA-Université de Bordeaux, France)	International Triple Helix in Action: Learnings from a Bavaria-Israel Digital Open Innovation Case, <b>Audrey Stolze</b> , Morten Edzards, Klaus Sailer (Munich University of Applied Sciences, Munich, and Strascheg Center For Entrepreneurship, Germany)	Implementing the National Technology Initiative in oil-rich Russian regions: “Nudging” and forced collaboration, <b>Alexey Gusev</b> (Russian Venture Company and Moscow State University) and Alexandra Engovatova (Moscow State University)	The Role of Organizational Factors in the Context of University Knowledge and Innovation Transfer, Andrea Greven (RWTH Aachen University, Germany)	Health Innovation and Digital Technology <b>Gary Leeming</b> (Health Innovation Manchester, UK)

3	The geography of foreign and native-born academics' engagement with external actors, <b>Cornelia Lawson</b> (University of Bath, UK)	The role of institutional frameworks in developing inter-regional innovation systems, <b>Mandy Lalrindiki</b> , Valerie Brett, Bill O'Gorman (Waterford Institute of Technology, Ireland)	The role of special agencies in creating local innovation ecosystems: The case of CREST in Malaysia. <b>Jaffri Ibrahim</b> (Collaborative Research in Engineering, Science, Technology, Malaysia)	Commercialization of knowledge vs basic research in Serbia, Jelena Jesic, Simonida Vukadinovic, Sinisa Domazet (Educons University, Serbia)	Connected Health Cities. <b>Amanda Lamb</b> (Connected Health Cities, UK)
4	Student migration and academic entrepreneurship, <b>Shiri Breznitz</b> (University of Toronto, Canada)	Exploring the International Dimension of University-Industry Collaboration: the Case of a UK-China Innovation Programme, <b>Simone Corsi</b> (University of Manchester, UK) and Feranita Feranita (BINUS University, Indonesia)	Small-firm cooperation policies: when the triple helix meets the relational view, <b>Felipe Zarpelon</b> , Kadigia Faccin, Alsones Balestrin (Universidade Do Vale Do Rio Dos Sinos - Unisinos, Brazil), Olivier Coussi (Université de Poitiers, France)	Natural Laboratories as an Opportunity for Catching Up: The Case of Atacama Desert and Astronomy, Julio Pertuze and Jose Antonio Guridi (Pontificia Universidad Catolica De Chile, Chile)	Importance of whole system behaviours and change in preventing anti-microbial resistance, <b>Tjeerd van Staa</b> (University of Manchester, UK)

15:30 **Coffee break (The Drum, Exhibition Area)**

<b>Thursday 6 September</b>					
	<b>Theatre A</b>	<b>Room 1.219</b>	<b>Room 2.219</b>	<b>Room 2.220</b>	<b>Room 6.206</b>
15:50	<b>University and research enablers of innovation. Chair: Max Nathan</b> (University of Birmingham, UK)	<b>Open Innovation, Open Science. Chair: Chair: Khaleel Malik</b> (University of Manchester, UK)	<b>Academic entrepreneurship: institutional and organizational challenges 1. Chair: Federica Rossi</b> (Birbeck, University of London, UK)	<b>Making a city smart: Collaboration, evaluation and implementation (Panel Session). Chair: James Evans</b> (University of Manchester, UK); <b>Session Organizer: Krassimira Paskaleva</b> (University of Manchester)	<b>4th Sector Knowledge Transfer Partnerships: Working examples of the Quadruple Helix in action. (Panel Session). Chair, James Elfe</b> (Manchester Metropolitan University, UK)
1	Success Factors of knowledge and technology Commercialization in Research Organizations – A Meta-Analysis, <b>Anna Pohle</b> (Fraunhofer IMW and TU Berlin, Berlin, Germany)	Innovation policies and open innovation: An analysis of Spanish innovation programs, María Lidón and <b>Lara Ortiz</b> (Universitat Jaume I, Spain)	First, second and third tier universities: Academic excellence, local knowledge spillovers and innovation in Europe, <b>Ornella Wanda Maietta</b> (University of Naples "Federico II" and 2CSEF, Italy), Cristian Barra (University of Salerno, Italy) Roberto Zotti (University of Turin, Italy)	Measuring impacts of smart city projects: Triangulum's Quadruple Helix innovative approach. <b>Kelly Watson</b> (University of Manchester, UK)	Fiona Nightingale (Regional Knowledge Transfer, Innovate UK)  David Woollard, (Knowledge Transfer Partnerships, Manchester Metropolitan University, UK)  Janice Murray (Manchester Metropolitan University, UK)
2	How university-centric innovative linkages influence national innovation performance: the co-patent perspective, <b>Po-Hsuan Chen</b> (Institute Of Technology Management, Taiwan)	Open Innovation and Academic Research: The Case of Citizen Science Platforms, Majlinda Zhegu and <b>Ada Kertusha</b> (Université du Québec à Montréal, Canada)	University Managers' and Researchers' Drivers on the Initiation of University-Industry Collaborations in Emerging Economies, <b>Darya Zinkovskaya</b> and Thomas Crispeels (Vrije Universiteit Brussel, Belgium)	A tale of a city: evaluating Manchester's Internet of Things demonstrator. <b>John Rigby</b> (University of Manchester, UK)	Hannah Smithson (Manchester Centre for Youth Studies, Greater Manchester Youth Justice Youth University Partnership, UK)
3	The Role of Universities in the Public Procurement of Innovation, <b>Sara Sistero-Rodenas</b> and Marta Oller-Rubert (Universitat Jaume I, Spain)	Evolution of Singapore's Innovation System: Moving towards Hybrid Triple Helix Model and Open Innovation, <b>Artha Mansoor</b> (Hong Kong University of Science and Technology, Hong Kong)	Administrative Burden in Collaborative University Research, Jan Youtie (Georgia Institute of Technology, USA) and <b>Barry Bozeman</b> (Arizona State University, USA)	Working Futures for Future Cities: for sustainable and inclusive smart cities. <b>James Evans</b> (University of Manchester, UK)	Anna Reeves, (ACE Centre, Oldham, UK)

4	SBIR-like Programmes and Ecosystems of Innovation, <b>Sergio Salles-Filho</b> (University of Campinas, Brazil), Carlos Henrique de Brito Cruz (FAPESP, Brazil), Bruno Fischer (University of Campinas, Brazil), Camila Zeitoum (University of Campinas, Brazil), Fernando Antonio Basile Colugnati (Federal University of Juiz de Fora, Brazil)	Practical Application of Helix Models in Measuring Corporate Embeddedness. <b>Viktória Józsa</b> (Nord Consult, Hungary)	Robotic Bureaucracy: An Assessment of Burden Shift in University Research Administration Through Email Analysis, <b>Jan Youtie</b> (Georgia Institute of Technology, USA), Barry Bozeman, Jiwon Jung (Arizona State University, USA)	Understanding Conditions for Impact of Scientific Knowledge on Transport Policy in the City of Manchester, <b>Maria Karaulova</b> (University of Manchester, UK)
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17h20 END

**Thursday 6 September**

17:30

**Featured Roundtables**

Theatre A	Room 1.219	Room 2.219	Room 2.220
<b>Triple Helix and local industrial strategies (Panel Session) Chair: Andrew Westwood, University of Manchester</b>	<b>Creating Skills for Sustainable Futures: Mobilising the Triple Helix and Beyond (Panel Session). Chair: Alan Hendry, Director of Sustainability (Jacobs Engineering, UK)</b>	<b>Opportunities and challenges in Operationalizing the Triple Helix model at regional level: the experience of the Triple Helix Association Chapters (Panel Session) Chair: Christiane Gebhardt (Malik Institute, Switzerland; Triple Helix Association)</b>	<b>Health, Innovation and the Economy. Chair: Keith Chantler (Manchester University NHS Foundation Trust, UK)</b>
Kieron Flanagan (University of Manchester, UK)	Lewis Maani (Jacobs Engineering, UK)	Panayiotis Ketikidis (University of Sheffield International Faculty, CITY College, Greece); Adrian Solomon, South East European Research Centre (Greece). Leaders of the Greek Chapter.	Keith Chantler Group Director of Innovation, Manchester University NHS Foundation Trust
Francesca Froy (University College, London, UK)	Sally Randles (Manchester Metropolitan University, UK)	Tatiana Pospelova (Stanford University, USA). Leader of the Russian Chapter, hosted by the Lomonosov Moscow State University (Russian Federation)	Michael (Mike) Blackburn OBE Chair of the Greater Manchester Local Enterprise Partnership
Katrina Hann (Greater Manchester Combined Authority, UK)	Phil Korbel (Cooler Projects Community Interest Company, UK)	Abid Hussain Khan Shirwani (University of Management & Technology, Pakistan). Leader of the South Asian Chapter (SATHA).	Jonathan Burroughs CEO of Creative Places Ltd
Tom Forth (Open Data Institute, Leeds)	Greater Manchester Combined Authority (panellist tbc)	Branca Terra (Rio de Janeiro State University, Brazil). Leader of the Brazilian Chapter	Linda Magee OBE, NHS Investment Specialist (Life Sciences Organisation, Department for International Trade, UK)

18:30 **Drinks Reception (The Drum, University Place)**  
**Sponsor: Manchester Metropolitan University**

19:30 END

Friday 7 September					
	Theatre A	Room 1.219	Room 2.219	Room 2.220	Room 6.206
8:30	<b>Role of Universities in Innovation and Regional Development I: Causes and effects of university-industry collaboration. Chair: David Charles (Northumbria University, UK)</b>	<b>Technology Transfer and Intellectual Property. Chair: Paul Windrum (Nottingham University Business School, UK)</b>	<b>New Methods for Triple Helix Research 1. Chair: Simone Corsi (University of Manchester)</b>	<b>Innovation Ecosystems – Fad or Reality? (Panel Session). Chair: Catherine Beaudry (Polytechnique Montréal, Canada)</b>	<b>Local and Regional Development. Chair: James Dzisah (University of Ghana, Ghana)</b>
1	Cooperating With Different Types of Non-Academic Organisations: Implications For University-Industry Collaboration In Peripheral And Metropolitan Regions. <b>David Fernández Guerrero</b> (Aalborg University, Denmark)	Policy and governance challenges to universities IPR regulation: evidence from the Portugal and Brazil, <b>Rui Cartaxo</b> (Lisbon University, Portugal) and Kelyane Silva (INPI, Brazil)	Using social network analysis to assess the transformation of university, <b>Fernando Romero</b> (University of Minho, Portugal)	Innovation ecosystems – Fad or reality? <b>Catherine Beaudry</b> (Polytechnique Montréal, Canada)	Technological Corporation of Andalucía as triple helix driven initiative for innovation and regional development support, <b>Marta Macías Aragonés</b> , David Páez Rodríguez, Fabián Varas Sánchez (Corporación Tecnológica De Andalucía, Spain)
2	University-industry collaboration and regional innovation, Andrés Rodríguez-Pose, LSE (UK), Rune Dahl Fitjar, <b>Kwadwo Atta-Owusu</b> (University of Stavanger, Norway)	Understanding the use of industrial designs in Three ASEAN countries, <b>Maryam Zehtabch</b> , Carsten Fink, Intan Hamdan-Livramento (World Intellectual Property Organization, Switzerland)	A logic model framework to evaluate Technology Parks as Policy for Local and Global Development, <b>Patricia Mello</b> (Fundação Getulio Vargas FGV/SP, Brazil)	Digital Clusters or Innovation Ecosystems? <b>David Wolfe</b> (University of Toronto, Canada)	Role of Local Government in HET Development : Leadership Situation and Performance in Jatinangor, Tuti Karyani and <b>Ery Supriyadi Rustidja</b> (IKOPIN, Indonesia)
3	On sustaining regional development: Do localised networks matter? <b>Rhoda Ahoba-Sam</b> (Lincoln University, UK)	Network typologies in patenting activity of academics before and after IPR regulation changes in Italy, <b>Saveria Capellari</b> and Domenico De Stefano (University of Trieste, Italy)	Synergy in the Knowledge Base of U.S. Innovation Systems at National, State, and Regional Levels: High-Tech Manufacturing and Knowledge-Intensive Services, <b>Loet Leydesdorff</b> , Inga Ivanova, Martin Meyer (University of Amsterdam, Netherlands)	The University as an Innovation Ecosystem - Can the fish live outside the fish bowl? <b>Shiri M. Breznitz</b> (University of Toronto, Canada)	Local economic development and the Colombian strategy for a sustainable and inclusive bioeconomy, <b>Hector Rojas Jimenez</b> (Universidad Externado de Colombia, Colombia)
4	Providing doctoral skills to the regional labour market: Cases of University relations with Science Parks, <b>Eloise Germain-Alamartine</b> (Linköping University, Sweden) and Saeed Moghadam-Saman (University of Stavanger, Norway)		Using a multi-trait multi-method matrix to validate innovation indicators build from organisations' websites, <b>Mikael Heroux-Vaillancourt</b> and Catherine Beaudry (Polytechnique Montréal, Canada)		Territorial emergence of FDI: opening the black box of the "triple helix as practice", <b>Kadigia Faccin</b> (Unisinos University, Brazil) and Olivier Coussi (University of Poitiers, France)
10:00	<b>Keynote session 2: Shiri Bretznitz (University of Toronto, Canada) "Investing in the future: students and economic growth" Chair: Philip Shapira (University of Manchester, UK; Georgia Institute of Technology, USA)</b> Theatre A				
11:00	<b>Coffee break (The Drum, Exhibition Area)</b>				

Friday 7 September					
	Theatre A	Room 1.219	Room 2.219	Room 2.220	Room 6.206
11:30	<b>Role of Universities in Innovation and Regional Development 2: University contributions to regional policy. Chair: Rune Dahl (University of Stavanger, Norway)</b>	<b>Academic entrepreneurship: institutional and organizational challenges 2. Chair: Mariza Almeida (Federal University of the State of Rio de Janeiro, Brazil)</b>	<b>Systems of Innovation: Grand Challenges. Chair: Jakob Edler (University of Manchester, UK)</b>	<b>Supporting New Entrants. Chair: Mabel Sanchez-Barrioluengo (Joint Research Centre – European Commission, Italy)</b>	<b>Quadruple Helix Engagement and Intermediation for Responsible Research and Innovation (Panel Session). Chair: Emanuela Todeva, St Mary's College, UK; Triple Helix Association)</b>
1	Change and continuity: how universities underpin successive regional innovation strategies, <b>David Charles</b> (Northumbria University, UK)	How the ghosts of the past intrude the organization of the future? <b>Veronique Misseri</b> and Pascal Alberti (Université de Technologie de Compiègne, France)	Grand Challenges and Big Changes in the German S&R System - Helmholtz Earth System Research, <b>Christiane Gebhardt</b> (Malik Institute, Switzerland)	Graduate start-ups and their regional context: opportunity versus necessity? <b>Chiara Marzocchi</b> (University of Manchester, UK), Fumi Kitagawa (University of Edinburgh, UK) Mabel Sanchez-Barrioluengo (Joint Research Centre – European Commission)	Exploring the 'Living Labs' Methodology for Citizen's Engagement, Juan Bertolin (ESPIATEC, Universitat Jaume I and Triple Helix Association, Spain)  FIT4RRI Methodology for Quadruple Helix Engagement, Adrian Solomon (South East European Research Centre, Greece)  Performance Measurement of Turkish Techno-parks, Hülya Ünlü (Cankiri Karatekin University, Turkey)
2	The role of universities in smart city projects, <b>Utku Ali Rıza Alpaydın</b> (University of Stavanger, Norway)	An Exploration of Triple Helix for Living Labs: Paradigm Shift of User Innovation, <b>Jui Chen Chou</b> , Yuan-Chieh Chang, Jian Hang Wang (National Tsing Hua University, Taiwan)	The Triple Helix in the EU narrative for Research, Innovation and Regional Development: an appraisal, <b>Dimitri Corpakis</b> (formerly European Commission, Belgium)	The effects of early entrepreneurial R&D support, <b>Olav Andrea Kvitastein</b> , Jarle Aarstad, Stig-Erik Jakobsen (Western Norway University Of Applied Science, Norway)	Exploring a Multistakeholder Engagement for RRI and OS at the Open University, Petr Knoth and Nancy Pontika (Open University, UK)  Discussants: Abid Shirwani (South Asia Chapter of the Triple Helix Association); Panayiotis Ketikidis, Greece Chapter of the Triple Helix Association)
3	Implementing the quadruple helix of innovation: Exploring challenges. <b>Huong Thu Nguyen</b> (Autonomous University of Barcelona, Spain) and Pilar Marques (University of Girona, Spain)	Are Engineering & Technology Graduates Ready for R&D Jobs? Industry-Academia Collaboration Strategies for Training, <b>Dhruba Jyoti Borah</b> , Khaleel Malik, Silvia Massini (University of Manchester, UK)	Storylines: emerge from and shape complex socio-technical systems, <b>Julia Kasmire</b> and Frank Boons (University of Manchester, UK)	Foreign-born Professors in American Universities: How Immigration Status affects Participation in Triple Helix Dynamics, <b>Monica Gaughan</b> (Arizona State University, USA) and Julia Melkers (Georgia Institute of Technology, USA)	Discussants: Abid Shirwani (South Asia Chapter of the Triple Helix Association); Panayiotis Ketikidis, Greece Chapter of the Triple Helix Association)
4	Personal networks and trust in public-private R&D projects: A case from Spain. <b>Sergio Andrés Manrique Garzón</b> (Autonomous University of Barcelona, Spain)	How entrepreneurial university impacts on economic growth in an emerging economy, <b>Sara Sousa</b> (Univ Portugalense and ISCTE-IUL, Portugal)	Innovation in collaborative projects across European countries: A conceptual framework understanding Critical Success Factors, <b>Esther Novo-Blanco</b> (Deusto Business School and Vicomtech, Spain), Edurne Loyarte (Vicomtech, Spain), Edurne Magro (Deusto Business School and Orkestra, Spain)	Makerspaces, Hackathons, and Pitching Competitions: New Intermediaries between Triple Helix Actors, <b>Paul Sterzenbach</b> (University of Manchester, UK)	
13:00	<b>Lunch (The Drum, Exhibition Area)</b>				
13:00	<b>Tours (pre-registration required) through to 17:00</b> (see conference web site or The Event App for exact timing).				



Friday 7 September					
	Theatre A	Room 1.219	Room 2.219	Room 2.220	Room 6.206
14:00	<b>Partnerships Towards Zero Plastics: What Can Be Done (Panel Session). Chair: Callum Thomas (Manchester Metropolitan University, UK)</b>	<b>Socially Responsible Entrepreneurial Universities. Chair: Yuzhou Cai (University of Tampere, Finland)</b>	<b>Measuring Triple Helix Interactions. Chair: Monica Gaughan (Arizona State University, USA)</b>	<b>How can we best capture universities' knowledge exchange activities? (Panel Session). Chair: Chiara Marzocchi, University of Manchester</b>	<b>Role of Universities in Innovation and Regional Development 3: New institutional developments. Chair: Madeline Smith (Glasgow School of Art, UK)</b>
1	<b>Julian Kirby</b> (Friends of the Earth)	Towards a comprehensive framework to understand entrepreneurial university: a synthesis of existing literature on entrepreneurial university, <b>Yuzhuo Cai</b> (University of Tampere, Finland)	Assessment of performance indicators of innovative activity of subjects of the Russian Arctic, Tatiana Pospelova (Lomonosov Moscow State University, Russian Federation), Nikolay Egorov (Lomonosov Moscow State University, Russia)	<b>Pablo D'Este</b> , Ingenio, Universidad Politecnica de Valencia	Higher Education Institutions and Smart Specialisation: Embedding the triple helix in regional innovation strategies, <b>John Edwards</b> , Mark Boden (European Commission - Joint Research Centre, Spain)
2	<b>Richard Smith</b> , (Head of Sustainability, BBC)	Universities in the complex setting of the West Bank: entrepreneurial or engaged? <b>Huub Mudde</b> (Maastricht School of Management, Netherlands)	Democratisation of Innovation Systems: Mapping New Elements, Interactions and Conditions, Serhan Ünalán and Sercan Özcan (University of Portsmouth, UK)	<b>David Charles</b> , Northumbria University  <b>Federica Rossi</b> , Birkbeck University  <b>Fumi Kitagawa</b> , University of Edinburgh	Resilient region, resilient regional higher education institution? Insights from Kuressaare, Estonia and South Oostrobotnia, Finland, Jari Kolehmainen, Heli Kurikka (University Of Tampere, Tampere, Finland), Garri Raagmaa (University of Tartu, Estonia), Anne Keerbergh (Tallinn University of Technology, Estonia)
3	Stephen Jenkinson (Manchester Metropolitan University)	Triple Helix in Cultural Inheritance and Talents Cultivation in Chinese Ethnic Minority Regions, <b>Yu Wang</b> and Ru An Yang (Southwest University, China)	The Effect of Holding a Research Chair on Scientists' Research Impact, Seyed Reza Mirnezami (Sharif University of Technology, Iran; Polytechnique Montréal, Canada) and Catherine Beaudry (Polytechnique Montréal, Canada)	<b>Abhijit Sengupta</b> , University of Essex	A triple helix model of regional renewal: Ontario's automotive industry in the digital age, Elena Goracinova and David Wolfe (University of Toronto, Canada)
4	<b>Ed Randviir</b> (Manchester Metropolitan University)	The role of charitable funding in university research, <b>Nicholas Matthews</b> and Oishee Kundu (University of Manchester, UK)	The Triple Helix Movement: An Analysis of Academic Communications - <b>Jesus Rosa</b> , Nathan Messias, Marcelo Amaral (Fluminense Federal University, Brazil)		Entrepreneurial University Indicators: the case of Brazilian Higher Education, Mariza Almeida, Bruno Simões, (Federal University of the State of Rio de Janeiro, Brazil), Branca Terra (State University of Rio de Janeiro, Brazil), Guilherme Ary Plonski, Justin Axelberg (University of São Paulo, Brazil), Adelaide Baeta (Federal University of Minas Gerais, Brazil)
15:30	<b>Coffee break (The Drum, Exhibition Area)</b>				

Friday 7 September					
	Theatre A	Room 1.219	Room 2.219	Room 2.220	Room 6.206
15:50	<b>Youth Voices and Young Enterprise: Reflections, Case Examples and Calls to Action to the Quadruple Helix Actors (Panel Session). Chair: Sally Randles (Manchester Metropolitan University, UK)</b>	<b>Third Mission Strategies. Chair: Mayra Morales-Tirado (University of Manchester, UK)</b>	<b>Entrepreneurial Ecosystems. Chair: Esther Novo-Blanco (Deusto Business School and Vicomtech, Spain)</b>	<b>Governance and Policy. Chair: Kieron Flanagan (University of Manchester, UK)</b>	<b>Cluster Policy. Chair: David Wolfe (University of Toronto, Canada)</b>
1	<b>David Taylor</b> , Young Enterprise Ambassador (Manchester Metropolitan University, UK)	Using the fuzzy-front-end in higher education: How European universities can better link their three missions, <b>Luise Fischer</b> and Anna Pohle (Fraunhofer Center For International Management and Knowledge Economy, Germany)	The Brussels Technology Transfer Ecosystem: A Historical Perspective, <b>Geoffrey Aerts</b> and Thomas Crispeels (Vrije Universiteit Brussel, Belgium)	STI policy evaluation in Russia: existing and new approaches, <b>Mikhail Gershan</b> (National Research University Higher School of Economics, Russian Federation)	An impact evaluation of the Tech city cluster programme, <b>Max Nathan</b> (University of Birmingham, UK)
2	<b>Jamie Agombar</b> , Head of Sustainability (National Union of Students, UK)	Understanding the Dynamics of Triple Helix Interactions. The Case of English Higher Education Institutions, <b>Mabel Sanchez Barrioluengo</b> (European Commission, Joint Research Centre. Italy), Elvira Uyarra (University of Manchester, UK), Fumi Kitagawa (University of Edinburgh, UK)	The role of intermediaries in the commercialisation of research from PROs, <b>Federica Rossi</b> and Maryam Ghorbankhani (Birkbeck, University of London, UK)	Knowledge Entrepreneurship and the Role of University Research Centers and Public Policy, <b>Leonel Corona</b> (UNAM, Mexico)	The greening of industry: The role of clusters and cluster policy, <b>Svein Gunnar Sjøtun</b> and Rune Njøs (Western Norway University of Applied Sciences, Norway)
3	<b>Kiran Arokiasamy</b> (Manchester Entrepreneurs, UK)	University-Industry Collaboration: A Systematic Review on Capability and Performance, <b>Takron Opassuwan</b> , Pelin Demirel, Katia Pina, Vadim Grinevich (University of Southampton, UK)	The Triple Helix for Work-based Learning, <b>Michele Coletti</b> (Grenoble Ecole de Management, France; Politecnico Di Milano, Italy)	Challenges and Opportunities of Big Data for Innovation Policy along the Policy Life Cycle, Knut Blind (Fraunhofer Institute of Open Communication Systems, Germany), Crispin Niebel (Technische Universität Berlin, Germany) and <b>Chantale Tippett</b> (Nesta, UK)	Evaluation of Cluster Development Efficiency: Furniture and Saffron Clusters in the City of Mashhad, Iran, <b>Gerry Edgar</b> (University of Stirling, UK), Omid Ali Kharazmi, Masoumeh Valipourerami (Ferdowsi University of Mashhad, Iran)
4	Champion Young Voices & Young Entrepreneurs (Panellist TBC)	Quebec's industry-university partnership model and its impact on the regional and national ecosystems, <b>Stephane Dauphin-Pierre</b> and Catherine Beaudry (Polytechnique Montréal, Canada)	Triple Helix and Competitiveness of Clusters: Model Proposition and Case Comparison in Brazil and UK. Cristina Espinheira (FIA Business School, Brazil), Emanuela Todeva (St. Mary's College, London, UK), Joao Mauricio Boaventura (FIA Business School, Brazil), <b>Eduardo Armando</b> (FIA Business School, Brazil)	Reconciling scientific impact and societal relevance: the role of pro-social motivation and productive interactions, <b>Pablo D'Este</b> , Irene Ramos-Vielba, Nicolas Robinson-García (Universitat Politècnica de València, Spain)	Evaluating cluster policy through the collision of theory and practice, <b>Madeline Smith</b> (Glasgow School of Art, UK), James Wilson (Orchestra, University of Deusto, Spain), Emily Wise (Lund University, Sweden).
17:20	END				
17:30	<b>Roundtable: "Triple Helix - past, present, future". (Theatre A)</b> Chair: Elvira Uyarra (University of Manchester, UK). Panellists: <b>Christiane Gebhardt</b> (Malik Institute, Switzerland); <b>John Goddard</b> (University of Newcastle, UK); <b>Jan Youtie</b> (Georgia Institute of Technology, USA); and <b>Helen Lawton Smith</b> (Birkbeck, University of London, UK).				
18:30	END				
19:30	<b>Conference Dinner - Museum of Science and Industry (Liverpool Rd, Manchester M3 4FP)</b> Jackie Oldham (University of Manchester, UK); Richard Green (Manchester Metropolitan University, UK) Conference Awards				

Saturday 8 September					
	Theatre A	Room 1.219	Room 2.219	Room 2.220	Room 6.206
8:30	<b>Triple Helix and the Environment.</b> Chair: <b>Julia Kasmire (Sustainable Consumption Institute, Univ of Manchester, UK)</b>	<b>Entrepreneurial Networks.</b> Chair: <b>Henry Etzkowitz (Triple Helix Association)</b>	<b>Social Innovation.</b> Chair <b>Barbara Ribeiro (University of Manchester, UK)</b>	<b>Innovation and Business Strategy.</b> Chair: <b>Katrin Hahn (University of Twente, Netherlands)</b>	<b>New Methods for Triple Helix Research 2.</b> Chair: <b>Jan Youtie (Georgia Institute of Technology, USA)</b>
1	Innovation platform as mechanism for resource mobilization and enabling knowledge spaces for low carbon economy, <b>Fabrizio Rossi</b> (EIT Climate-KIC, Belgium)	Exploratory Study of the Level of Innovation in Brazilian SMEs, <b>Adriano Gomes De Freitas, Ricardo Borges dos Santos, Yuri Oliveira Lima</b> (Universidade Federal do ABC, Brazil),	Social innovation landscape in Europe: preliminary results from case studies, <b>Alina Kadyrova</b> (University of Manchester, UK)	Open innovation and digital technology as a business strategy in a large Canadian ICT firm, <b>Georges Hage and Catherine Beaudry</b> (Polytechnique de Montréal, Canada)	Entropy and Systemic Interaction in the Aerospace Industry of California, <b>Armando Gutiérrez</b> (Autonomous University of Baja California, Mexico)
2	Extracting Hidden Value in Site Decommissioning through a Shared Value Approach, <b>Giulia Piantoni, Marika Arena, Giovanni Azzone</b> (Politecnico di Milano, Italy)	Exploitation, Exploration and Entrepreneurial Networks: Performance Implication during SME's New Product Development, <b>Danny Soetanto</b> (University of Lancaster, UK)	Rethinking industry, government and university relations within Brazilian Basic Sanitation Sector, <b>Beatriz Couto Ribeiro, Adriana Bin, Milena Pavan Serafim</b> (University of Campinas, Brazil)	The effect of managers' affective evaluations on perceived risks and benefits of collaborating with universities: a sentiment analysis, <b>Muthu De Silva, Federica Rossi</b> (Birkbeck, University of London, UK), <b>Ainurul Rosli</b> (University of Westminster, UK), <b>Nick Yip</b> (University of East Anglia, UK)	Are social communication channels emerging supplementary triple-helix relations? A Local Analysis in Spain through Twitter, <b>Cristina I Font-Julian</b> and <b>Enrique Orduna-Malea</b> (Polytechnic University of Valencia, Spain)
3	Motives for Green Innovations, <b>Jarle Aarstad, Faraimo Vai, Stig-Erik Jakobsen</b> (Western Norway University of Applied Sciences, Norway)	Network dynamics of Chinese universities: Knowledge transfer, <b>Yindan Ye, Kevin De Moortel, Thomas Crispeels</b> (Vrije Universiteit Brussel, Belgium)	Revisiting contemporary literature on universities' third mission activities from the perspective of inclusive development, <b>Shagufta Haneef and Birgitte Gregersen</b> (Aalborg University, Denmark)	Innovation and capabilities building in biopharmaceuticals in Brazil: a knowledge network analysis, <b>Nathalia Alves, Marina Szapiro</b> (Universidade Federal do Rio de Janeiro, Brazil), <b>Marco Antonio Vargas, Jorge Britto</b> (Federal Fluminense University – UFF, Brazil)	Applying Machine Learning to Evaluate and Compare Research Grant Programmes: Selecting Researchers or Research Areas? <b>Walter Theseira</b> (Singapore University of Social Sciences), <b>Giovanni Ko, Michael Khor</b> (Nanyang Technological University, Singapore)
4	Innovation through biodiversity: the ecosystem challenge to foster, <b>Sergio Luiz Monteiro Salles-Filho, Adriana Bin</b> (University of Campinas, Brazil), <b>Francine Leal Franco</b> (GSS Consultoria Sustentável, Brazil), <b>Elisa Romano Dezolt</b> (Confederação Nacional da Indústria, Brazil)	The formation of doctorates and international mobility. The case of nanotechnology in Mexico, <b>Mayra Morales-Tirado</b> (University of Manchester, UK)	The Aloha.Digital Project—Adding the Sixth Helix to the Quintuple Helix Innovation Model, <b>Andrei Shkvorov</b> (iMua Center for Innovation Studies and University of Hawaii, USA) <b>Scott Allen, Linda Cox</b> (University of Hawaii, USA)	Insights into different economic value determinants of patents, <b>Leila Tahmooresnejad</b> and <b>Catherine Beaudry</b> (Polytechnique Montréal, Canada)	Corporate Technology Development and Dynamic of Triple Helix Model, <b>Tung-Fei Tsai-Lin</b> (National United University, Taiwan)
10:00	<b>Coffee break (The Drum, Exhibition Area)</b>				

Saturday 8 September					
	Theatre A	Room 1.219	Room 2.219	Room 2.220	Room 6.206
10:30	<b>Triple Helix and Industrial Renewal. Chair: Ugo Finardi (Cnr-IRCrES, Italy)</b>	<b>Triple Helix Dynamics: Intermediaries in Science and Innovation. Chair: Corina Balaban (University of Manchester, UK)</b>	<b>Responsible Research and Innovation. Chair: Philip Shapira (University of Manchester, UK); Georgia Institute of Technology, USA)</b>	<b>Firm-level Approaches. Chair: Muthu De Silva (Birkbeck College, University of London, UK)</b>	<b>Universities, Regions and Smart Specialisation (1011). Chair: Elvira Uyarra (University of Manchester, UK)</b>
1	How the Triple Helix shapes the relationship between R&D and Productivity in the Automobile Industry, <b>Michael Rothgang</b> (RWI - Leibniz Institute for Economic Research, Germany)	Roles of Science Parks as Innovation Intermediaries in University-Industry Research Collaboration: Insights from Thailand, Tinnakorn Phongthiya (University of Manchester, UK)	Sustainability Diffusion within Society: Blending the Quintuple Helix Model with the Pillars of RRI, <b>Panayiotis Ketikidis</b> (University of Sheffield International Faculty, CITY College, Greece) <b>Adrian Solomon</b> (South East European Research Centre, Greece)	Growth and evolution of regional innovation system in Shenzhen: firm-level perspectives, <b>Kevin Chandra</b> (Hong Kong University of Science and Technology, Hong Kong)	The art of herding cats - governing smart specialisation strategies in four European Vanguard regions, <b>Emily Wise</b> (Lund University, Sweden)
2	Endogenous technological competences and product diversification: A close relationship? <b>Pablo Catalan</b> , Carlos Navarrete, Cristian Mardones, Annabella Zapata (University of Concepcion and Center of Innovation Systems Studies, Chile)	The growth of Asian science and technology parks: Does power balance among triple helix actors matter? <b>Eryda Listyaningrum</b> (TU Delft, Netherlands; Ministry of Research, Technology, and Higher Education, Indonesia), Marina van Geenhuizen (TU Delft, Netherlands)	The dilemma of societal alignment in responsible research and innovation, <b>B. Ribeiro</b> (University of Manchester, UK), L. Bengtsson (Lund Univ, Sweden), P. Benneworth (Univ of Twente, Netherlands), S. Bührer (Fraunhofer ISI, Germany), E. Castro-Martínez (CSIC-UPV, Spain), M. Hansen (Danish Board of Technology Foundation), K. Jarmai (Technical University of Denmark), R. Lindner (Vienna Univ of Economics & Business, Austria), J. Olmos-Peñuela (University of Valencia, Spain), C. Ott (University of Bern, Switzerland), P. Shapira (University of Manchester, UK, Georgia Tech, USA).	Internal and External SME-university interaction determinants: Empirical Evidence in a Transitional Economy, <b>Besart Hajrizi</b> , Lenny Koh, Panayiotis H. Ketikidis (South East European Research Centre, Greece; University of Sheffield, UK)	The 'black hole' of evolutionary regional innovation ecosystems: The role of effectual entrepreneurial discovery processes. <b>Lisa Nieth</b> (University of Twente, Netherlands), <b>Liliana Fonseca</b> (University of Aveiro, Portugal), Maria Salomaa (University of Lincoln, UK), Paul Benneworth (University of Twente, Netherlands), Martin Stienstra (University of Twente, Netherlands), Carlos Rodrigues (University of Aveiro, Portugal), David Charles (University of Lincoln, UK).
3	Innovation Environments in The Research Triangle Region - Assessing, Managing and Promoting Sustainable Regional Development, <b>Marcelo Amaral</b> (Federal University Fluminense, Brazil) and Adriana Faria (University of Viçosa, Brazil)	The Triple Helix Configuration of Science Parks in Indonesia, <b>Muhammad Hanif</b> (University of Manchester, UK; Institute for Development of Economics and Finance, Jakarta, Indonesia)	What frameworks for analysing socially responsible innovation— Triple Helix or Quadruple Helix? <b>Yuzhuo Cai</b> (University of Tampere, Tampere, Finland)	Technological capability and inter-organizational collaboration in an emerging economy., <b>Rajenthyan Ayavoo</b> , Ronnie Ramlogan, Elvira Uyarra (University of Manchester, UK)	Pathways of regional specialization in the Spanish wind energy sector, <b>Cristian Matti</b> (EIT Climate-KIC, Belgium; Utrecht Univ, Netherlands), Elvira Uyarra (Univ of Manchester, UK), Davide Consoli (CSIC-UPV), Spain)
4	Instability as driver for industrial change? The example of ambiguities in the concept of Industry 4.0, <b>Katrin Hahn</b> (University of Twente, Netherlands)	The role of triple helix intermediate organization: Centennial Campus' Springboard Innovation Hub case study, <b>Adriana Ferreira De Faria</b> (Federal University of Viçosa, Brazil), Juliane de Almeida Ribeiro (Instituto Federal de Educação, Ciência e Tecnologia de Minas Gerais, Brazil), Marcelo Gonçalves do Amaral (University Fluminense, Brazil)			Envisioning the Entrepreneurial University: the Challenge of Stanford's Venture. <b>Henry Etzkowitz</b> (Triple Helix Association).
12:00	<b>Chair: Sally Randles (Manchester Metropolitan University, UK) (Theatre A)</b> <b>Keynote 3: Iain Buchan (Microsoft Research, UK). Health Innovation, Connectivity and the Triple Helix.</b>				
12:45	<b>Closing Ceremony. Chair: Jackie Oldham (Theatre A). Includes: Lynette Searle, Advisor to the SA Innovation Summit</b>				
13:00	<b>Lunch (The Drum, Exhibition Area)</b>				
14:00	<b>XVI TRIPLE HELIX CONFERENCE ENDS</b>				