



**2nd International workshop on**  
**RETHINKING CLUSTERS:**  
**THE LOCAL AND GLOBAL SCALE OF SUSTAINABILITY TRANSITIONS**  
 15 - 17 May 2019, University of Padova

**May 15th, 2019**



Session 14.00-16.00

Phd Session		
Room: Sala Seminari (first floor, Via del Santo 33)		
Presenting author	Authors	Title
Raphael Heereman Von Zuydtwyck	Raphael Heereman Von Zuydtwyck	Presenting a framework for assessing the contribution of university led research projects to Regional Sustainable Development
Mathias Nigatu Bimir	Mathias Nigatu Bimir	Learning about policy integration: fiscal policy reforms and tool selection for green transition in Ghana and Mauritius
Martina Nannelli	Martina Nannelli	Business Models for Sustainability (BMfs). Sharing digital platforms in the accommodation service
Jan Marc Schwidtal	F. Bignucolo, S. Blasi, A. Lorenzoni, J.M. Schwidtal	Business model opportunities with energy end-user aggregation - the new European Clean Energy package
16.00 – 16.30	Coffee Break	

Session 16.30-18.00

Phd Session		
Room: Sala Seminari (first floor, Via del Santo 33)		
Presenting author	Authors	Title
Evgeniya Lupova-Henry	Sam Blili, Cinzia Dal Zotto, Evgeniya Lupova-Henry	Which cluster strategy for mitigation of regional innovation system failures? Adopting an ‘innovation-centric cluster business model’ lens in two Australian case studies
Leonardo Mazzoni	Leonardo Mazzoni	Entrepreneurial styles and knowledge integration: what challenges for Smart Specialisation Strategy? A focus on Tuscany.
Enrico Carlet	Enrico Carlet	Back to the ecosystem: an empirical investigation of the biotechnological and pharmaceutical environment
20.30	Dinner	

## May 16th, 2019

Room: Sala della Basilica (Palazzo Bo)		
9.30 – 10.30	Registration and coffee	
Room: Archivio Antico (Palazzo Bo)		
10.30 – 11.30	Welcome	Giulio Cainelli (University of Padova) Silvia Rita Sedita (University of Padova)
Room: Archivio Antico (Palazzo Bo)		
11.30 – 12.30	<b>KEYNOTE</b>	<i>Masaru Yarime</i> (Hong Kong University of Science and Technology - HKUST)
Room: Sala della Basilica (Palazzo Bo)		
12.30 – 13.45	Lunch	

### Parallel session 14.00-16.00

TRACK: Radical Innovation - Special track		
Room: Archivio Antico - Chair: Max-Peter Menzel		
Presenting author	Authors	Title
Rosina Moreno	Ron Boschma, Ernest Miguélez, Rosina Moreno, Diego Ocampo	Breakthrough patents and technological relatedness
Max-Peter Menzel	Sonja Buxbaum-Conradi, Max-Peter Menzel	Digitization of Production and the Transformation of Regional Relatedness. The Example of the Compound Material Cluster in Stade/Germany
Kolja Hesse	Dirk Fornahl, Nils Grashof, Kolja Hesse	Core vs. periphery New insights on the emergence and diffusion of radical innovations in clusters
Francesco Capone	Francesco Capone, Rafael Boix-Domenech, Vittorio Galletto	Searching for rare diamonds? Industrial districts and innovation in Spain and Italy
TRACK: Energy and sustainability		
Room: B3 – Chair: Fulvio Fontini		
Presenting author	Authors	Title
Muneki Adachi	Muneki Adachi	Exploring Scenarios towards the 100% Renewable Energy Society: Insights from Surveys of Experts in Japan, Germany and the United Kingdom
Jerry Patchell	Jerry Patchell	Networks electronic and electric; clusters green, brown and grey
Maria Tsouri	Maria Tsouri, Jens Hanson, Håkon Endresen Normann	Knowledge as a Mechanism of Entrance into the International Offshore Wind Market: The Case of Norway


**TRACK: Industry 4.0**

Room: B1 – Chair: Marco Bettiol

Presenting author	Authors	Title
Eleonora Di Maria	Marco Bettiol, Mauro Capestro, Valentina De Marchi, Eleonora Di Maria, Silvia Rita Sedita	Industry 4.0 investments: are district firms following a peculiar path?
Dr. Hervas-Oliver, JL	Dr. Hervas-Oliver, JL Gustavo Mallol-Gasch Juan Boix-Palomero	The positive leverage of isomorphism: endogenous collective action for transition into Industry 4.0 in industrial districts
Shauna Brail	Shauna Brail, Betsy Donald	Ride-hailing clusters in the digital platform economy era: Whither Canadian cities?
Yehua Dennis Wei	Yehua Dennis Wei, Juan Lin, Ling Zhang	E-Commerce, Taobao Villages and Regional Development in China

**TRACK: Clusters and entrepreneurship**

Room: Aula Nievo – Chair: Annalisa Caloffi

Presenting author	Authors	Title
Giulio Pedrini	Giulio Pedrini, Valentina Bonello, Claudia Faraone, Luca Nicoletto.	From Atoms to Bits and Back Again. Urban regeneration and structural change in a Territory in Transition: Hints from Marghera (Venice)
Enrico Vanino	Carlo Corradini, Enrico Vanino	Relatedness, path dependency and the dynamics of new firm creation in the UK
Lorena Ruiz-Fernández	Enrique Claver-Cortés, Bartolomé Marco-Lajara, Pedro Seva-Larrosa, Lorena Ruiz-Fernández, Eduardo Sánchez-García	Analysis of the support elements for entrepreneurship in food clusters in Spain.
Matilde Milanese	Simone Guercini, Annalisa Tunisini, Matilde Milanese	Understanding the role of networking and proximity for SMEs' qualitative growth in industrial clusters
Mads Bruun Ingstrup	Mads Bruun Ingstrup, Torben Munk Damgaard	Multi-scalar human agency in cluster development
16.00 – 16.30	Coffee Break	

Parallel session 16.30-18.30

**TRACK: Regional performance**

Room: Archivio Antico – Chair: Alessandra Scandura

Presenting author	Authors	Title
Alessandra Scandura	Alessandra Scandura, Francesco Quatraro	Regional patterns of unrelated diversification: the role of academic inventors
Dieter Kogler	Dieter Franz Kogler, Changjun Lee, Ron Boschma	The Evolutionary of Knowledge Recombination in Regional Economies – Entropy Complemented by Density and Relatedness
Changjun Lee	Changjun Lee, Dieter F. Kogler	The Effect of Regional Capacity in Knowledge Recombination on Technical Progress and Efficiency
Silvia Rocchetta	Dieter Franz Kogler, Changjun Lee, Silvia Rocchetta	Mind the gap: decomposing the evolution of European regional productivity

Adam Whittle	Adam Whittle, Balazs Lengyel, Dieter F. Kogler	Understanding Regional Diversification using Inventor Collaboration Networks
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### TRACK: Clusters policy

Room: Aula Nievo – Chair: Mario Biggeri

Presenting author	Authors	Title
Bjørn T. Asheim	Bjørn T. Asheim	Clusters reinterpreted as Marshallian industrial districts: A development strategy for less-developed regions and niche path upgrading sectors
José G. Vargas-Hernández	José G. Vargas-Hernández	Critical analysis on the institutional design of democratic decentralization in the public sphere and urban spaces of local governments
Konan Alain N’Ghauran	Konan Alain N’Ghauran	Structural effects of cluster policies: Evidence from France
Dieter Rehfeld	Ben Dankbaar, Dieter Rehfeld	New Paths in industrial policy – rethinking the regional dimension
Mario Biggeri	Mario Biggeri, Andrea Ferrannini, Elisa Barbieri, Marco R. Di Tommaso	Rethinking industrial policy as a leverage for social progress at regional level

### TRACK: Regional performance

Room: B1 – Chair: Dr. Hervas-Oliver, JL




Presenting author	Authors	Title
José L. Hervas-Oliver	Davide Parrilli, Hervas-Oliver JL, Francisca Sempere	Regional openness and performance in Europe
Nicolò Barbieri	Nicolò Barbieri, Davide Consoli and Francois Perruchas	Specialization, diversification and environmental technology life-cycle
Jesper Lindgaard Christensen	Jesper Lindgaard Christensen	Competitive low-tech clusters in high-cost contexts: location dynamics of fur production in and within Denmark
Carla Costa	Carla Costa	Regional Embodied Knowledge Flows
Ugo Rizzo	Davide Antonioli, Ugo Rizzo	Patterns of R&D downsizing in Italian firms

### TRACK: Complexity

Room: B3 – Chair: Niccolò Innocenti

Presenting author	Authors	Title
Niccolò Innocenti	Niccolò Innocenti, Luciana Lazzeretti and Daniele Vignoli	Economic Complexity and Fertility Insights from a Low Fertility Country
Luciana Lazzeretti	Luciana Lazzeretti	The role of culture in the Era of Digital Mutation
Chiara Burlina	Roberto Antonietti, Chiara Burlina	From entropy to economic complexity: empirical evidence from Italian regions
Valentina De Marchi	Valentina De Marchi, Michele Fabrizi, Roberto Grandinetti, Antonio Parbonetti	The Godfather lands in the industrial districts’ homeland: Empirical evidence of impact on Italian firms’ performance

### Orto Botanico

20.00	Dinner	  
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May 17th, 2019

Room: Sala della Basilica (Palazzo Bo)

8.30 – 9.00

Registration



Parallel session 9.00-11.00

**TRACK: Special track "Agglomeration and firms' organization"**

Room: Archivio Antico - Chair: Valentina Giannini

Presenting author	Authors	Title
Luca Bettarelli	Andrea Ascani, Luca Bettarelli, Laura Resmini, Pierre-Alexandre Balland	The sources of innovation: global networks versus local specialization
Valentina Giannini	Giulio Cainelli; Valentina Giannini; Donato Iacobucci	Forms of networking and firms' organization: business groups in industrial districts
Andrea Ascani	Andrea Ascani, Luisa Gagliardi	Asymmetric spillover effects from MNE investment
Josep-Maria Arauzo-Carod	Josep-Maria Arauzo-Carod	Location determinants of high-tech firms: an intra-urban approach
Valentina Cattivelli	Giovanni Iuzzolino, Valentina Cattivelli	For a new statistical survey of industrial agglomerations in Italy: Some methodological aspects and an application to census data

**TRACK: Clusters and sustainability**

Room: B1 - Chair: Sara Turchetti

Presenting author	Authors	Title
David Ayrapetyan	David Ayrapetyan, Frans Hermans	Embedding sustainability of bioeconomy clusters into a multiscale framework
Iván G. Peyré Tartaruga	Iván G. Peyré Tartaruga	Rethinking clusters in the sense of innovation, inclusion and green growth: some preliminary remarks
Rowena Vnuk	Allan O'Connor, Rowena Vnuk	Industry clusters, intermediary activities and sustainable competitiveness: a multi-level transitions perspective
Sara Turchetti	Natalia Faraoni, Tommaso Ferraresi, Sara Turchetti	The circular economy in the fashion industry: a value chain approach

**TRACK: Clusters and networks**

Room: Aula Nievo - Chair: Francesco Capone

Presenting author	Authors	Title
Pablo Galaso	Adrián Rodríguez Miranda, Pablo Galaso	Strategic collaboration and community detection in cluster networks: a study of the dairy industry in Uruguay
Amir Maghssudipour	Amir Maghssudipour	A Network-Based Review of the Literature on Knowledge Diffusion within Local Systems
Francesco Capone	Francesco Capone, Luciana Lazzarretti, Niccolò Innocenti	Co-invention networks and diversity in the inventive capacity of cities
Isabel Diez-Vial	Isabel Diez-Vial, Jose Antonio	The role of institutions, centrality and exploration

	Belso-Martinez, Angeles Montoro-Sanchez, M <sup>a</sup> José López-Sánchez	alliances: a network perspective
Julio Raffo	ErnestMigueluez, Julio Raffo, Christian Chacua, Massimiliano Coda Zabetta, Gianluca Tarasconi, Yin Deyun, Francesco Lissoni	Mapping the global network of innovation superclusters

**TRACK: Clusters and internationalization**

Room: B3 - Chair: Roberto Ganau

Presenting author	Authors	Title
Roberto Ganau	Riccardo Crescenzi, Roberto Ganau	Keep America first: Regional innovation and the 'magic' of foreign investments
Nazareno Braitto	Rene Belderbos, Nazareno Braitto	Can MNEs Benefit from Agglomeration Economies at distance? Evidence from Manufacturing Location Decisions across MSAs in the United States
Davide Gualerzi	Verónica Robert, Davide Gualerzi, Nicolás Moncaut	How do SMEs integrate into global value chains extracting maximum value from the chain?

Room: Sala della Basilica (Palazzo Bo)

11.00 – 11.30 Coffee Break



Room: Archivio Antico (Palazzo Bo)

		Chair:
		<ul style="list-style-type: none"> <li>Luciana Lazzeretti (University of Florence)</li> </ul>
11.30 – 13.00	<b>PLENARY SESSION – ROUND TABLE</b>	Panelists:
		<ul style="list-style-type: none"> <li>Ron Boschma (Utrecht University)</li> <li>Simona Iammarino (London School of Economics and Political Science - LSE)</li> <li>Roberta Rabellotti (University of Pavia)</li> <li>Andres Rodriguez-Pose (London School of Economics and Political Science - LSE)</li> </ul>

Room: Sala della Basilica (Palazzo Bo)

13.00 – 14.15 Lunch



Parallel session 14.30-16.30

**TRACK: Book session**

Room: Archivio Antico - Chair: Roberto Grandinetti

Presenting author	Authors	Title
Leïla Kebir	Kebir, L., Crevoisier, O., Costa, P., Peyrache-Gadeau, V.	Sustainable Innovation and Regional Development
Fiorenza Belussi, Jose Hervas	Fiorenza Belussi, Jose Hervas	Agglomeration and firm performance

Valentina De Marchi, Eleonora Di Maria	Valentina De Marchi, Eleonora Di Maria, Gary Gereffi	Local Clusters in Global Value Chains
Luciana Lazzeretti	Luciana Lazzeretti, Marilena Vecco	Creative Industries and Entrepreneurship: Paradigms in Transition from a Global Perspective.

### TRACK: Clusters and sustainability

Room: Aula Nieveo - Chair: Silvia Rita Sedita

Presenting author	Authors	Title
Artur Santoalha	Artur Santoalha, Ron Boschma	The role of governments on regional diversification: does political support matter for the development of green technologies?
Marco Bellandi	Marco Bellandi, María Jesús Ruiz Fuensanta, Erica Santini	Factors of environmental sustainability in Italian industrial districts
Silvia Rita Sedita	Roberta Apa, Luigi Orsi, Ivan De Noni, Silvia Rita Sedita	Environmental innovation and socio-economic sustainability: evidence from European regions
Filippo Randelli	Marco Grasso and Filippo Randelli	Who is responsible for the transition towards sustainability?

### TRACK: Clusters and entrepreneurship

Room: B1 - Chair: Ermanno Tortia

Presenting author	Authors	Title
Kerstin Wilde	Kerstin Wilde, Frans Hermans	Innovation prospects of entrepreneurs in bioeconomy clusters: which context matters?
Francisco García-Lillo	Francisco García-Lillo, Enrique Claver-Cortés, Bartolomé Marco-Lajara, Pedro Seva-Larrosa	Entrepreneurship in clusters and local systems: where are we today and where should the research go in the future? Revealing active research ‘fronts’ through ‘bibliographic coupling’ and SNA.
Ermanno Tortia	Ermanno Tortia, Florence Degavre, Simone Poledrini	Background and Further Perspectives on Social Innovation in Social Enterprises
Gianluca Capone	Gianluca Capone, Andrea Morrison	Spinoffs, parents, and institutions: Evidence from the Italian motorcycle industry

### TRACK: KETs

Room: B3 - Chair: Roberto Antonietti

Presenting author	Authors	Title
Roberto Antonietti	Roberto Antonietti, Sandro Montresor	Regional diversification patterns and Key Enabling Technologies (KETs) in Italian regions
Sandro Montresor	Gianluca Orsatti, Francesco Quatraro, Sandro Montresor	Key Enabling Technologies (KETs) and recombinant innovations: a patent-based analysis of European regions
Stefano Basilico	Stefano Basilico, Holger Graf	Bridging Technologies in the Regional Knowledge Space: Measurement, Evolution, and Determinants
Viviana Elizabeth Zárate Mirón	Viviana Elizabeth Zárate Mirón	The impact of Smart Specialization Strategies on clusters efficiency: Case of Mexico

16.30 – 17.00

Coffee Break




Parallel session 17.00-18.30

TRACK: Clusters lifecycle		
Room: Archivo Antico - Chair: Rafael Boix-Domenech		
Presenting author	Authors	Title
Wojciech Dyba	Wojciech Dyba, Valentina de Marchi, Tadeusz Strzajkiewicz	Age ain't nothing but a number? Knowledge sourcing and cluster life cycle in Italian and Polish furniture clusters
Lorenzo Zirulia	Andrea Morrison, Lorenzo Zirulia	Knowledge networks and Resilience. Under which conditions regional economies overcome external shocks
Rafael Boix-Domenech	Rafael Boix-Domenech, Vittorio Galletto, Fabio Sforzi	The Marshallian industrial district as living innovation machine: an investigation of the innovative capacity of industrial districts over time using dynamic geographies that change and evolve
TRACK: Clusters and sustainability		
Room: Aula Nievo – Chair: Silvia Blasi		
Presenting author	Authors	Title
Mahvish Kanwal Khaskhely	Mahvish Khaskhely, Iffat Batool Naqvi, Zahid Ali Memon	A Quest for Viable Industrial Clusters of Pakistan: Industrial Cluster Mapping Tool and Inclusion of Sustainability.
Ram Kamath	Ram Kamath, Frans Hermans, Aitziber Elola	From Bioclusters to the Bioeconomy: Lessons from the sustainability transition of the pulp and paper cluster in the Basque country
Frans Hermans	Frans Hermans, David Ayrapetyan, Ram Kamath, Kerstin Wilde, Milad Abbasiharofteh	Towards a typology of bioclusters
TRACK: Clusters life cycle		
Room: B1 – Chair: Marco Bellandi		
Presenting author	Authors	Title
Stefania Camoletto	Stefania Camoletto, Marco Bellandi	A communitarian definition of shared value rooted in local development studies and in the Olivettian experience
Esther Poveda Pareja	Claver-Cortés Enrique, Marco-Lajara Bartolomé, Poveda-Pareja Esther, Seva-Larrosa Pedro, Ruiz-Fernández Lorena	Resilience in a cluster environment: an approach to dynamic capabilities and sustainable practice
Federica Belfanti	Alberti F., Belfanti F.	Shared value ecosystem and cluster initiatives: the role of an effective backbone leadership



**TRACK: Clusters and internationalization**

**Room: B3 – Chair: Chiara Burlina**

<b>Presenting author</b>	<b>Authors</b>	<b>Title</b>
Pedro Seva	Enrique Claver-Cortés, Bartolomé Marco-Lajara, Pedro Seva-Larrosa, Lorena Ruiz-Fernández, Esther Poveda-Pareja	The mediation effect of internalization between location and performance An approach based on industrial district theory
Giovanni Marin	Davide Castellani, Giovanni Marin, Antonello Zanfei, Sandro Montresor	“Unlocking the green door of regional development: the role of MNEs in greening local inventive activities
Chiara Burlina	Chiara Burlina, Eleonora Di Maria	Made in Italy, clusters and GVC: where are we now?
19.00	Farewell drink	

#### Local organizers

Silvia Rita Sedita  
Marco Bettiol  
Roberto Antonietti

#### Co - organizers

Luciana Lazzeretti  
Francesco Capone  
Annalisa Caloffi  
Rafael Boix  
José Luis Hervas

#### Local supporters

Silvia Blasi  
Enrico Carlet

#### Scientific committee

Roberto Antonietti  
Fiorenza Belussi  
Marco Bettiol  
Rafael Boix  
Giulio Cainelli  
Annalisa Caloffi  
Francesco Capone  
Roberto Grandinetti  
José Luis Hervas  
Luciana Lazzeretti  
Silvia Rita Sedita