

Workshop on Economic Complexity and Development:

2019

Growth, Structural Change and Sustainability

Dec 09th and 10th, 2019
Federal University of Paraná - UFPR
Curitiba - Brazil

Organised by



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The NeX-Nucleo of Economics and Complexity (PPGDE-UFPR) and SPRU-Science Policy Research Unit (Sussex University) are organizing a Workshop on **Economic Complexity and Development: Growth, Structural Change, and Sustainability.**

The Workshop will be an opportunity for academics, policymakers, and the public to discuss frontier research, and its applications to policy, on topics related to economic development from a complexity perspective.

Economics, Complexity, and Development

Inclusive and sustainable economic development is a complex challenge for all countries. It is a complex phenomenon, involving heterogeneous agents, continuous innovations, and structural change, at multiple levels. Understanding the unbalances and discontinuities in the process of economic development requires tools and thinking suited to deal with complex systems and evolving dynamics.

Research on economic complexity provides extremely useful concepts and tools to study the relationship between economic growth, structural change, and SDGs.

In recent years, with the advances in computer science, several micro and macro models representing the economy as a complex system have emerged. Such models are significantly contributing to understanding the economy as the result of interactions between heterogeneous agents at multiple levels.

Empirical work investigating changes in the composition of economic structures describes the space of goods and sectors using tools from network and complexity theory.

Similarly, technological change, spatial dynamics, urban and natural ecosystems have been described as a complex adaptive system.

Keynote Speakers

Andres Gomez-Lievano (Harvard University, USA)
Andrea Tacchella (European Commission – Joint Research Centre, Seville, Spain)
Andrea Zaccaria (Institute for Complex System, Italy)
Hyejin Youn (Kellogg School of Management, USA)

Closing Session

Polices for Economic Development in Complex Systems

Andrea Roventini (Sant'Anna School, Italy)
Esther Dweck (Federal University of Rio de Janeiro, Brazil)

Free Registration

Registration is free and open for all interested audience, subject to availability (register soon!). To register:

- <https://forms.gle/XB6hDjoXB7UFzjwa8>

Venue

Federal University of Paraná
Department of Economics
Avenida Prefeito Lothario Meissner, 632
Jardim Botânico - Curitiba-PR

Applied Social Sciences Building
Room: Accounting Department's Noble Hall, 1st floor

- <https://goo.gl/maps/UCjWpBWKBBJWsge2A>

Contact

Coordination and Organization

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PROGRAMME

1st Day - 09 Dec

Accounting Noble Hall – 1st Floor

9:15 - 9:45	Registration
9:45 - 10:00	<p>Welcome from the organizers João Basilio Pereira (NeX - Nucleo of Economics and Complexity)</p>
10:00 - 11:00	<p>Keynote Andrea Tacchella (European Commission - Joint Research Centre, Seville, Spain) <i>Title: Economics Complexity for Policy</i> Chair: Tommaso Ciarli (Science Policy Research Unit, SPRU)</p>
11:00 - 11:30	Coffee Break
11:30 - 12:45	<p>Session 1 Chair: Andrea Tacchella</p> <p><i>An empirical typology of travel-to-work areas in Argentina based on sectoral profiles of territorial coagglomeration</i> Authors: Carla Daniela Calá, Andrés Niembro & Andrea Belmartino</p> <p><i>Networks of inter-industry labor mobility</i> Authors: Sergio Andrés de Raco & Vicktoriya Semeshenko</p>
12:45 - 14:15	Lunch
14:15 - 15:15	<p>Keynote Andres Gomez-Leviano (Harvard University) <i>Title: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx</i> Chair: Esther Dweck (Federal University of Rio de Janeiro, UFRJ)</p>
15:15 - 15:45	Coffee Break
15:45 - 17:00	<p>Session 2 Chair: Andres Gomez-Leviano</p> <p><i>Influence of mass media in opinion formation: data analysis and data-based models</i> Authors: Federico Albanese, Claudio J. Tessone, Viktoriya Semeshenko & Pablo Balenzuela</p> <p><i>Relation(s) between Research Priorities and Societal Demands</i> Presenter: Tommaso Ciarli</p>
17:00 - 17:30	Coffee Break
17:30 - 18:30	<p>Keynote Hyejin Youn (Kellogg School of Management, USA) <i>Title: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx</i> Chair: Andrea Roventini</p>
20:00	Dinner - Restaurant Las Tablas - https://g.page/lastablasbr?share R. Gutemberg, 23 - Batel, Curitiba - PR

PROGRAMME

2nd Day - 10 Dec

Accounting Noble Hall – 1st Floor

09:30 - 10:30	<p>Keynote Andrea Zaccaria (Institute for Complex System – CNR, Italy) Title: <i>Algorithms and complex networks: from big data to socio-economic applications</i> Chair: Kenya Barreiro de Souza (NeX-Nucleo of Economics and Complexity)</p>
10:30 - 11:00	Coffee Break
11:00 - 12:15	<p>Session 3 Chair: Esther Dweck (Federal University of Rio de Janeiro, UFRJ)</p> <p><i>Sectoral labour reallocation: an agent-based model of structural change and growth</i> Author: Francisco Adilson Gabardo & João Basilio Pereima</p> <p><i>Green transition and Structural Change</i> Author: Florian Botte, Tommaso Ciarli, André Lorentz & Marco Valente</p>
12:15 - 13:30	Lunch
13:30 - 14:45	<p>Session 4 Chair: Francisco Adilson Gabardo (NeX-Nucleo of Economics and Complexity)</p> <p><i>Democracy and heteroclinic cycles of corruption</i> Author: Elvio Accinelli, Atefeh Afsar, Filipe Martins, Bruno M. P. Oliveira & Alberto A. Pinto</p> <p><i>Coalitions and individual behavior in a public goods' dilemma</i> Author: Elvio Accinelli, Felipe Martins, Bruno M. P. M. Oliveira, Alberto Pinto</p>
14:45 - 15:15	Coffee Break
15:15 - 16:45	<p>Closing session Policies for Economic Development in Complex Systems Chair: João Basilio Pereima Esther Dweck (Federal University of Rio de Janeiro, UFRJ) Andrea Roventini (Sant'Anna School, Italy)</p>