**INTERNATIONAL
WORKSHOP**

PRESENTATION – WITH DISCUSSION –

**of the SPECIAL ISSUE
"COMPLEXITY IN SOCIO-ECONOMIC SYSTEMS: THE CONNECTIVITY APPROACH"
Published in the journal**
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Edited by:

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6 June 2024 – 2:00 PM-6:30 PM (CET)

PROGRAMME

2:00 PM (CET)	*ACCESS ONLINE PLATFORM: Virtual Room*
2:05 PM (CET)	**WELCOME** **Prof. Luigi Bolondi**, *President of The Academy of Sciences of Bologna Institute* **Prof. Paola Monari**, *President of the Class of Moral Sciences of the Academy of Sciences of Bologna Institute*
2:15 PM (CET)	**PRESENTATION OF THE SPECIAL ISSUE AND WORKSHOP** *The objective of the workshop is an interdisciplinary discussion on the **interrelated themes of the Special Issue, i.e., Complexity, Connectivity, and the Architecture of Socio-Economic Systems,** based on Research Questions, such as:* *What are the research perspectives on the architecture of complexity in socio-economic systems? What is the role of the architecture of connectivity in shaping complex subsystem-system dynamics in the socio-economic sphere? Which contribution can be expected from a structural connectivity framework in shaping the design and implementation of policies?* **Dr. Ivano Cardinale,** *Editor-Goldsmiths, University of London, Research Unit in Structural Economic Analysis-CILG Fellow, Accademia Nazionale dei Lincei and Clare Hall (Cambridge, UK)* **Prof. Aura Reggiani,** *Editor-Bologna Academy Fellow-University of Bologna and Clare Hall (Cambridge, UK)* **Prof. Roberto Scazzieri,** *Editor-Bologna Academy Fellow and Accademia Nazionale dei Lincei Fellow-University of Bologna and Clare Hall (Cambridge, UK)*

2:30-3:15 PM (CET)	**SESSION 1: 'COMPLEXITY AND ORGANIZATION IN SOCIO-ECONOMIC NETWORKS'** *Co-Chairs*: **Prof. Mirko Degli Esposti** (*Bologna Academy Fellow-Class of Physical Sciences*) and **Prof. Aura Reggiani** (*Editor-Bologna Academy Fellow-Class of Moral Science*) <u>Speaker:</u> **Prof. Terry L. Friesz** (*Pennsylvania State University, Harold and Inge Marcus Department of Industrial and Manufacturing Engineering (US))* "**Equilibrium Network Design: Resilience, Connectivity and Complexity**"
3:15-4:00 PM (CET)	**SESSION 2: 'DYNAMICS AND ARCHITECTURES OF CONNECTIVITY'** *Co-Chairs*: **Prof. Luca Lambertini (***Bologna Academy Fellow- Class of Moral Sciences*) and **Prof. Roberto Scazzieri** (*Editor-Bologna Academy Fellow-Class of Moral Sciences and Accademia Nazionale dei Lincei Fellow*) <u>Speaker</u>: **Prof. Kieran P. Donaghy** (*Cornell University, Department of City and Regional Planning (US))* "**A Circular Economy Model of Economic Growth with Circular and Cumulative Causation and Trade**"
4:00-4:30 PM (CET)	**COFFEE BREAK**
4:30-5:15 PM (CET)	**SESSION 3: 'POLICY MAKING IN A STRUCTURAL COMPLEXITY FRAMEWORK'** *Co-Chairs*: **Prof. Patrizio Bianchi** (*Bologna Academy Fellow-Class of Moral Sciences, and Accademia Nazionale dei Lincei Fellow-University of Ferrara*) and **Dr. Ivano Cardinale** (*Editor-Goldsmiths, University of London, Research Unit in Structural Economic Analysis-CILG Fellow, Accademia Nazionale dei Lincei*) <u>Speaker</u>: **Dr. Ariel Wirkierman** (*Goldsmiths, University of London, Research Unit in Structural Economic Analysis (UK)*) "**Leontief Meets Markov: Sectoral Vulnerabilities and Policy Implications**"
5:15-6:30 PM (CET)	**CONSIDERATIONS FOR FUTURE RESEARCH AND GENERAL DISCUSSION** *Chair*: **Prof. Carlo D'Adda**, *Bologna Academy Fellow-Class of Moral Sciences, and Accademia Nazionale dei Lincei Fellow-University of Bologna* <u>Speaker</u>: **Prof. Alberto Quadrio Curzio**, *Bologna Academy Fellow and President Emeritus Accademia Nazionale dei Lincei*
6:30 PM **(CET)**	*CONCLUSION*