

AIRS

Associazione Italiana per la Ricerca sui Sistemi
Italian Systems Society

<http://www.airs.it>

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Sesto Congresso Nazionale di Sistemica
Sixth National Conference on Systems Science

Verso una Sistemica post-Bertalanffy
Towards a post-Bertalanffy Systemics

Lezione Introduttiva / Opening Lecture

“Quantum Effects in Linguistic Endeavours”

by Fortunato Tito Arecchi

Pontificio Ateneo S. Anselmo
Pontifical Athenaeum S. Anselmo

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Venerdì 21 - Sabato 22 Novembre 2014
Friday 21st - Saturday 22nd November, 2014

(Con la sponsorizzazione di ARTEMIS NEUROSCIENCES, Roma)
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PROGRAMMA DEI LAVORI CONFERENCE PROGRAM

21 Novembre / November 21th

09:00 – 10:30	Registrazione / Enrolment	
10:30 – 10:40	Apertura e benvenuto al Sesto Congresso dell' AIRS / Welcome to the Sixth Conference of the Italian Systems Society <i>G. Minati, Presidente dell' AIRS / AIRS President</i>	
10:40 – 11:50	Discorso del Rettore Magnifico del Pontificio Istituto S. Anselmo / Welcome and introduction by Rector of the Pontifical Athenaeum S. Anselmo	
11:50 – 12:50	Opening Lecture: Quantum effects in linguistic endeavours <i>Fortunato Tito Arecchi - Professor Emeritus of Physics, Università degli Studi di Firenze and Scientific Associate of Istituto Nazionale di Ottica (INO)</i>	
13:00 – 14:00	Pranzo / Lunch	
14:15 – 15:15	<p>Session 1</p> <p>7) Studies of the emergence 8) Models and simulations</p> <p><i>Chairman: G. Tascini</i></p>	<p>Session 2</p> <p>2) Quantum physics as the new General Theory of systems? 5) Matter</p> <p><i>Chairman: G. Minati</i></p>
14:15 – 14:45	2. Cross Frequency Modulation, Network Information Integration and Cognitive Performance in Complex Systems <i>P.L. Marconi, P.L. Bandinelli, M.P. Penna, E. Pessa</i>	7. Towards the Study of New Nuclear Energy <i>U. Di Caprio, M.R. Abram</i>
14:45 – 15:15	21. Testing Different Learning Strategies on a Simple Connectionist Model of Numerical Facts Acquisition <i>S. Pinna, G. Fumera</i>	14. Decomposing Dynamical Systems <i>M. Giunti</i>
15:15 – 15:45	Coffee break	
15:45 – 17:15	<p>Session 1 (continuation)</p> <p><i>Chairman: G. Tascini</i></p>	<p>Session 2 (continuation)</p> <p><i>Chairman: G. Minati</i></p>
15:45 – 16:15	1. Dynamical Systems and Automata <i>M.R. Abram, U. Di Caprio</i>	16. For a Topology of Dynamical Systems <i>C. Mazzola, M. Giunti</i>
16:15 – 16:45	<i>Chairman: G. Minati</i>	
	Presentation of the Associazione Italiana Medicina e Sanità Sistemica (ASSIMSS) <i>Italian Association for Systems Medicine&Healthcare</i> <i>C. Pristipino, President</i>	
16.45 – 17.15	<i>Chairman: M. P. Penna</i>	
	Activity of the European Union for Systemics <i>G. Minati, new president-elect 2014-2017</i>	
20:00	<p>Social Dinner</p> <p>Hostaria Luce, Via della Luce 44 - 00153 Roma Tel. +39 06 5814839 - Email: info@hostarialuce.it - www.hostarialuce.it</p>	

22 Novembre / November 22nd

9:15 – 12:45	Session 3	
	1) The Network Science as the new General Theory of systems? 3) New systemic contents of disciplinary approaches and problems <i>Chairman: P. L. Marconi</i>	
9:15 – 9:45	24. EPAS: Artificial Intelligent System for Assistance <i>G. Tascini</i>	
9:45 – 10:15	10. From Systemic Complexity to Systemic Simplicity: A New Networking Node Approach <i>R. Fiorini</i>	
10:15 – 10:45	18. Formal Concept Analysis in Statistical Hypothesis Testing <i>E. Nicotra, A. Spoto</i>	
10:45 – 11:15	Coffee break	
11:15 – 11:45	19. Emergence in Neural Network Models of Cognitive Processing <i>M.P. Penna, P.K. Hitchcott, M.C. Fastame, E. Pessa</i>	
11:45 – 12:15	22. Beyond Networks: Search for Relevant Subsets in Complex Systems <i>A. Roli, M. Villani, A. Filisetti, R. Serra</i>	
12:15 – 12:45	11. From Elementary Pragmatic Model (EPM) to Evolutive Elementary Pragmatic Model (E2PM) <i>P. De Giacomo, R. Fiorini G.F. Santacroce</i>	
12:45 – 13:45	Pranzo / Lunch	
14:00 – 16:00	Session 4	Session 5
	4) Emergence of Social Systems 6) New Forms of Inter- and Trans-disciplinarity 7) Studies of the Emergence <i>Chairman: M.P. Penna</i>	9) General Themes 10) Outlines of a new General Theory of Systems <i>Chairman: E. Pessa</i>
14:00 – 14:30	6. Meaningful Complexity and Systemic Approach in Biology <i>M. Di Bernardo</i>	3. Theoretical Tools, Conceptual Distinctions and Epistemological Implications <i>L. Bich</i>
14:30 – 15:00	8. Changing Framework in Explaining Complex Dynamics: Convergences on Systemic Accounts from Two Different Case Studies <i>N. Di Stefano, M. Bertolaso</i>	17. General System(s) Theory 2.0: A Brief Outline <i>G. Minati</i>
15:00 – 15:30	5. Perceptions of Landscape-Observed and Observing Systems <i>V. Di Battista</i>	20. Phenomenology of Emergence in Music - Small Concert - <i>E. Pietrocini</i>
15:45 – 16:15	Coffee break	

16:15 – 18:15	Session 4 (continuation) <i>Chairman: M.P. Penna</i>	Session 5 (continuation) <i>Chairman: E. Pessa</i>
16:15 – 16:45	26. Thinking Smart Cities with Focus on Emerging Identity Elements <i>V. Volpi, A. Opromolla, R. Grimaldi, V. De Cecio, M. Palatucci, C.M. Medaglia</i>	25. Fractal Self-Similarity. From Geometric Structures to Dynamical Coherent Dynamics <i>G. Vitiello</i>
16:45 – 17:15	12. Architecture and Systemics – a Difficult Romance <i>C. Fontana</i>	15. Enhancement in Mathematical Abilities: a System Approach. <i>M.L. Mascia, M. Agus, M.C. Fastame, A. Addis</i>
17:15 – 17:45	13. Emergences in social systems. Perceptual Factors, Affordances and Performances in Architecture <i>A. Cucurnia, G. Giallocosta</i>	23. The Effect of Written Approval on Pupils’ Academic and Social Behavior: an Exploratory Study in a Northern Italian Middle School <i>D. Rollo, F. Sulla, M.A. Massarini, S. Perini</i>
17:45 – 18:15	4. Bank of Experiences: a Tool to Enhance Creativity, Enterprises and Countries <i>G. Romiti, V. Carrino, G. Bruno, M. Fois</i>	9. Organized White Collar Crime (OWCC) and Punishment : The Unvarnished Truth of a “Legislative Intention” <i>R. Peroncini</i>
18:15 – 18:25	Chiusura del Congresso / End of the Conference	