



World Complexity Science Academy

WCSA 7th WORLD CONFERENCE

**Rio de Janeiro, Brazil January 5th and 6th, 2017
Hotel Ipanema Plaza, Farme de Amoedo, 34 –
Ipanema**

GOVERNING TURBULENCE

Risk and Opportunities in the Complexity Age

In the last decades, globalization has increased greatly for all social actors in terms of opportunities of knowledge, education, communication and financial profits. However, at the same time, the level of uncertainty has rapidly increased, mainly due to the enormous amount of cheap information that is available at any moment. Frequently, an overload of information leads to risk, and it also makes it difficult to foresee possible consequences of any decision. Therefore, in such conditions many variables should be taken into consideration. It affects all spheres of social life: economic, social and political; as well as every level of decision making, from single individuals to local policy implementation, strategic managements of big organizations both public and private, national or even supranational. Due to the fact that complexity is common to diverse milieus, the best strategy to deal with uncertainty is to share knowledge from different domains beyond the disciplinarian and scientific borders. This conference welcomes scientists from any sphere: politicians, business people, etc., to present their researches and experiences on decision-making aimed to develop systemic, multidisciplinary sets of notions, ideas and best practices.

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Riccardo Palumbo, G. D'Annunzio University, Chieti-Pescara, Italy
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CONFERENCE SCHEDULE

THURSDAY 5

9:00 a.m.

CONFERENCE REGISTRATION

9:30 a.m.

WCSA Presidential Address, Andrea Pitasi

10:00 a.m.

WCSA Scientific Director's speech, Massimiliano Ruzzeddu

10.30 a.m.

WCSA Conference Coordinator speech, Andrè Folloni

11.00 a.m. - 11.15 a.m.

Coffee Break

I PANEL¹ 11:15 a.m. - 1:30 p.m.

PANEL CHAIR *Guglielmo Chiodi, Sapienza University of Rome, Italy*

PANELISTS

Market Turbulence, Economic Crisis and the 'Criminogenic' Features of Economic Theory

Guglielmo Chiodi, Sapienza University of Rome, Italy

Austerity and Keynes's Theory

Leonardo Ditta, University of Perugia, Italy

Constructivism and legal globalization: entropy and negentopathy in emerging law

Enrique Cáceres Nieto, Institute for Legal Research, National Autonomous University of Mexico

Corporate governance in a Brazilian state-owned

Maria Clara Martins de Souza, Fluminense Federal University, Brazil

The fair trade as way to systemic inclusion

Daniel Rocha Chaves, Federal University of Santa Catarina

The complexity of Constructivism in Luhmann: a relativistic way to revive Critical Theory

Cossi Gianugo, Università degli Studi di Udine, Italy.

PRESENTATION WCSA editorial policy and publishing activities

Massimiliano Ruzzeddu, WCSA Scientific Director

¹DISCLAIMER: Panel speakers must have paid their conference registration fees before they give their presentations, otherwise they will not be admitted to speak.

1.30 p.m. – 2.30 p.m.

Lunch break

II PANEL ² 2:30 p.m. - 5:30 p.m.

PANEL CHAIR *André Folloni* WCSA Conference Coordinator

PANELISTS

Legal norms as emergent phenomena

André Folloni, WCSA , Pontifícia Universidade Católica do Paraná, Brazil

Social Security in Brazil: destination crisis, economics and complexity

Antonio Bazilio Floriani Neto, Pontifícia Universidade Católica do Paraná, Brazil

Mechanism design theory: a proposal of application to the Incomplete Contracts

Lara Bonemer Azevedo da Rocha, Pontifícia Universidade Católica do Paraná, Brazil

The resilience of Brazilian Tax System

Natália Brasil Dib, Pontifícia Universidade Católica do Paraná, Brazil

Tax law and complexity theory

Renata Zelinski, Pontifícia Universidade Católica do Paraná, Brazil

Bit-Knowledge: digital recollection and memory

Edmondo Grassi, University of Studies Roma Tre, Italy.

5.30 p.m. – 5.45 p.m.

Coffee Break

DEBATE

8.00 p.m.

Social dinner

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FRIDAY 6

III PANEL 9:00 a.m. - 11:15 a.m.

PANEL CHAIR *Belinda Pereira da Cunha*, Universidade Federal da Paraíba, Brazil

Environmental Complexity

Belinda Pereira da Cunha, Coordenadora Centro Estudos e Saberes Ambientais, Brazil

José Irivaldo Alves Oliveir Silva, Universidade Federal da Paraíba, Brazil

Alana Ramos Araújo, Universidade Federal da Paraíba, Brazil

José Flôr, Universidade Federal da Paraíba, Brazil

National development as a process of interacting freedoms

André Folloni, WCSA, Pontifícia Universidade Católica do Paraná, Brasil

Industrial clusters in the southern region of the state of Rio de Janeiro, Brazil: an Analysis from the university-Industry-government perspective

Maria Clara Martins de Souza, Fluminense Federal University, Brazil

Space and Time in the globalization era: new patterns in territorial development

Michela Luzi, University Cusano, Rome, Italy.

Cognitive meta-autopoiesis and self awareness in the Artificial Intelligence, virtual presentation

Massimo Magno, GNO.SYS, Italy.

Mathematical Model of Autopoiesis in a Structurally coupled Systems , virtual presentation

Massimo Magno, GNO.SYS, Italy.

11.15 a.m. – 11.30 a.m.

Coffee Break

IV PANEL³ 11:30 a.m. - 1:30 p.m.

PANEL CHAIR *Enrique Cáceres Nieto*, Institute for Legal Research, National Autonomous University of Mexico

Order and chaos. Capitalism (military?) role, virtual presentation

Roberta Iannone, Sapienza, University of Rome, Italy.

An analysis on the composition of revenue of Brazilian banks (1997-2014)

Maria Clara Martins de Souza, Fluminense Federal University, Brazil

McLuhan and the complexity of knowledge. University as a “marketplace”, virtual presentation

Andrea Lombardinilo, Gabriele d’Annunzio University, Chieti-Pescara, Italy.

The hypertechnological civilization and the urgency of a systemic approach to complexity. A New Humanism for the Hypercomplex Society,

Piero Dominici, Università degli Studi di Perugia, Italy.

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The aim and function of scientific collections in the third millennium, virtual presentation
Edit Fabó, ELTE University, Budapest, Hungary.

The creation of truth in the digital age, virtual presentation
Michele Bonazzi, University of Bologna, Italy.

Ignorance management and multidisciplinary approach
Massimiliano Ruzzeddu, University Cusano, Rome, Italy.

Parental decision-making for a medical treatment of children with isolated non-syndromic craniosynostosis
Alena Wackerbarth, High Performance Computing Center Stuttgart, Germany.

From Gino Germani to Ulrick Bech to understand the crisis of young generation
Mauro Giardiello, University of Roma Tre, Italy.

1.30 p.m. – 2.30 p.m.
Lunch break

WCSA Medal 2016 Ceremony 2.30 p.m. 3.30 p.m.
PANEL CHAIR: *Andrea Pitasi*, WCSA President

KEY NOTE SPEECH 2.30 p.m. 3.30 p.m.
PANEL CHAIR: *Andrea Pitasi*, WCSA President
KEY NOTE SPEAKER: *Angel Antonio Alberto*, SFAI; Entre Rios; Argentina

ORGULLO Y EXITO EN UNA EMPRESA DE VANGUARDIA.
Pride and success in an emerging top company

This case study aims to analyze the different alternatives that a businessman bears in mind to take a decision as regards investment, considering the important load of risk in front of contingent choices. Where experience plays a key role, the background, the name's sake and mainly the capital, without having the certainty beforehand if the result will be success or failure. The context is always changing, that is why we analyze the businessman considering his main characteristics, abilities, attributes, mission and business vision. This is not enough if one fails to see the correct background, take the opportune decision, or use the appropriate strategy to achieve the expected results.

This particular case happens in the field of the Argentinean Economy, which is characterized by its cyclical movements – growth periods, stability and stagnation – circumstances under which, to achieve success we not only depend on the internal market doing well, but also on the exterior market doing well, from making incursions into a globalized world.

WCSA General Assembly (for members only) 4:30 p.m. – 6:00 p.m.

In collaboration with:

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