

PORTFOLIO WCSA

MISSION

World Complexity Science Academy (WCSA) offers its scientific and intellectual vision of the key challenges of our times to keep humankind evolve and empower by enhancing the Human Person (HP) chances and dignity.

Systemic Science is the key toolkit allowing the HP to evolve by browsing the global platform which features our planet and its catalogue of memetic ideas, chances, models, maps: so that each HP might evolve at their best and at their highest speed.

WCSA is a social and cultural no-profit organization committed to the diffusion of scientific knowledge inspired to the systemic approach.

WCSA is a meeting place for scholars from very different disciplines inspired by the systemic approach. The diffusion of the Systemic Approach is meant both as a peculiar interdisciplinary paradigm and as an applied toolkit. This approach strategically faces the main global challenges of our times.

WCSA believes the systemic approach is pivotal for intensive and high added value knowledge sharing on a global scale as we all entrepreneurs, professionals, scholars and policymakers can cooperate, as world citizens to facilitate the free circulation of intellectual and strategic capitals.

WCSA is committed and supports:

- 1) The basic and applied interdisciplinary research within the system approach believing that this may represent the most effective meeting place to let different knowledge and disciplines converge towards a strategic common pattern inspired to the neo-renaissance, "third culture" shared with the Edge Foundation (www.edge.org) and with the International Budapest Club founded and chaired by Ervin Laszlo.
- 2) The advancement of global (semantic, methodological, technical etc.) platforms for the development of a cosmopolitan cognition that would unify more points of view and would merge basic and applied research in order to cope with problem solving needs in a context of challenges. The needs for problem solving ideas couldn't be fostered with a traditional local and territorial patterns and identities.
- 3) The divulgation of the systemic-scientific knowledge and the scientific information toward educated, but not specialized, targets ("high divulgation") assuming the aim to enrich the personal backgrounds of committed scientists (biotechnologists, engineers, physics, sociologists, economists, etc.) about global challenges of our times through appropriate models and systemic-communicational tools and through high concepts for the diffusion and divulgation of the knowledge.



DECLARATION

- **Art 1** The Human Person (HP) as a free, responsible, relational and evolutionary being is at the core of the social, economic, scientific, political, cultural and technological development of humankind.
- Art 2 The HP is an evolutionary and systemic concept and unit. Evolutionary because since prehistoric times the HP has changed dynamically through the ages. Systemic because the HP is a complex, multifaceted system of different and interconnected relations.
- **Art 3** As the HP is evolutionary and systemic, systemic science is the key paradigm to evolve and empower the HP in a third culture perspective by a convergent concept of science and humanities.
- Art 4 The evolution of the HP since the neo-cortex developed the skills of the memetic functions (reproducing, differentiating, recombining and reconfigurating) is potentially unlimited.
- **Art** 5 The HP as the evolutionary systemic and memetic unit of humankind's development is fully entitled both to search/fight for happiness and to fully access to any kind of opportunities available and to turn the potential ones into real ones from "not yet" to "already" enhancing evolution and its triple helix systemic dynamics.
- **Art 6** As the past is the balance of negative selections, no strategic problem solving, no solution to contemporary-problems can come by restoring or upgrading past options.
- **Art 7** Systemic science is a complexity, epistemology, theory, methodology, paradigm and technical toolkit which allows and facilitates applied research through conceptual maps, modeling and constructivist simulations aimed at analyzing and strategically developing the *key bifurcations and global challenges* (KBGC) of our times.
- Art 8 Applied systemic research is aimed at evolving strategic problem solving for the KBGC of our times such as energy, pollution, health, aging, ecological sustainability and humankind's full empowerment.
- **Art 9** The well-being, health, empowerment and wealth (in brief, the evolution) of the HP is pivotal for the systemic science and no effective powerful of HP evolution might be concretely possible without an adequate empowerment of systemic science, thus HP evolution and systemic science evolution are intrinsically and profoundly related and cannot be separated one from the other.
- **Art 10** Considering the importance of the objectives of systemic science, it is strongly engaged to create and promote information and consent among HPs, so that they can reduce the risks and facilitate their own empowerment by facilitating the empowerment and strategic problem solving speed of the systemic science.
- **Art 11** Applied systemic science for strategic policymaking is aimed at facilitating the development of *global world class top brain workers* (GWCTBW) serving as early adopters to diffuse riconfigurational solutions to evolve the HP.
- **Art 12** System science is engaged to create a GWCTBW planetary orientation to evolve HP by trendsetting and riconfigurating and by shaping a *cosmopolitan world class evolutionary scientific citizenship* (CWCESC) vision.
- **Art 13** A CWCESC evolving through an high speed rogersian (or functionally equivalent) riconfiguration cycle under the global guide of the GWCTBW is fundamental to network these planetary benchmarks sharing very similar conceptual, meta-reflexive and technological abstraction levels and a vision which thinks in terms of wide strategic horizons and improvement of riconfigurational wealth evolution systems.
- Art 14 Systemic science is an interdisciplinary approach to complex, strategic, high added value knowledge, epistemologically, theoretically, paradigmatically, methodologically and technically organized both for general and applied research. Applied research is strategically focused on empowering and evolving the GWCTBW to allow them to evolve the HP so that humankind might face the KBGC of our times at its best provided is the most empowered evolutionary toolkit for riconfigurational strategic solutions and chances for the well-being, health and wealth of the greatest number of HPs possible also removing obsolescent common sense beliefs, ideas which often frame common people behaviours before they evolve cognitively and memetically into an HP.



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CONFERENCE

WCSA promotes the meeting and the co-operation among the scholars. Consistently with this purpose, WCSA organizes periodical national and international Conferences and supervises specific and scientific publications.

I CONFERENCE

Policy Modelling for key challenges of the 21° century *Bologna, Italy, December 4*th e 5th 2010 Ervin Laszlo, WCSA Medal for Systemic Research

II CONFERENCE

Complexity Systemic Sciences and Global Energy Agenda *Palermo, ITALY September 26th -27th 2011* Klaus Krippendorf, WCSA Medal for Systemic Research

III CONFERENCE

Mapping Systemic Knowledge Vienna, Austria November 18th-19th 2012

IV CONFERENCE

Redesigning Worldwide Connections Tenerife, Spain December 15th-16th 2013

V CONFERENCE

Inventing the future in an age of contingency Budapest, Hungary November 7th - 8th 2014

VI CONFERENCE

Systemic actions in complex scenarios: Converging interactions among public policies, business strategies and academic research

Amsterdan, The Netherlands 16th-17th October 2015

VII CONFERENCE

Governing Turbulence - Risk and Opportunities in the Complexity Age Rio de Janeiro, Brazil 5th and 6th January 2017

Next January: WCSA Medal for Systemic Research - 3th Edition

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MEDAL

Medal is special award for Systemic Research. WCSA Medal is structured into the following award categories:

1) Best WCSA Conference Paper.

All the speakers of the WCSA conference will be automatically nominated as potential recipients of this award. No application or submission is required except the standard one for the WCSA conference Call for Paper.

The Award Committee is composed of 3 members (not only or not necessary WCSA members) chaired by the President of WCSA or his Delegate.

2) Best Published Research.

Scientists from all over the world are allowed and invited to submit their own proposals. The Award Committee is composed of 3 members chaired by the WCSA President or his Delegate. The President or his Delegate will select the winner of category among all the submissions received.

Eligible papers must be written in one of the following languages: English, Italian, Spanish, German, French or Portuguese.

3) Medal for the scientific and managerial Engagement for WCSA

This award is reserved to WCSA members only. No application or submission is required. The WCSA President will nominate three WCSA regular members whose contributions were pivotal to WCSA growth in scientific and /or managerial terms.

The Award Committee, composed of 3 members (not only and not necessary WCSA members) chaired by the WCSA President – or his Delegate – convened by email, will vote to choose the recipient with a simple majority.

The evaluation criteria of the three categories will be published within 30 days from the Committee designation at www.wcsaglobal.org.



Ervin Laszlo, WCSA Medal 2010



Klaus Krippendorf, WCSA Medal 2011



WCSA EDITORIAL POLICY AND AGENDA¹

WORLD COMPLEXITY SCIENCE ACADEMY BOOK SERIES,

Publisher Cambridge Scholars Publishing

Book series edited by Andrea Pitasi, André Folloni and Massimiliano Ruzzeddu

The WCSA book series is devoted to sociological works that are based upon Complexity and Systemic theories.

The series reflects the conviction of WCSA that, in these turbulent times, Complexity theories are the best scientific tools to seize the incertitude and the ignorance that affect both social scientist and social actors in their everyday lives.

The series welcomes books that consist of either epistemological works or researches on specific subjects. The epistemic works will boost the recently neglected debate on the nature and the potentialities of Complexity theories. Furthermore, through this series WCSA aims to valorize Luhmann's scientific legacy and continue his epistemic and sociological work.

The researches will be both theoretical and empirical, and will analyze specific social phenomena through the complex and systemic tools.

WCSA book series will aim to publish between 3-5 books each year

Published Books

Michele Bonazzi, Valentina Di Simone (eds.) Redesigning Worldwide Connections, 2015

Next books

Andrè Folloni, Amber Narro (eds.), Inventing the future in an age of contingency Edit Fabó, Emilia Ferone, James Ming Chen (eds.), Systemic actions in complex scenarios

The scientific board members for the series are as follows:

Emanuela del Re - University Niccolò Cusano, Rome Italy Gandolfo Dominici - University of Palermo, Italy Emilia Ferone - Gabriele d'Annunzio University, Pescara Italy

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Alex Laszlo - Director of Doctoral Program in Leadership and Systemic Innovation at Instituto

Tecnológico de Buenos Aires, Argentina

Giulia Mancini - Gabriele d'Annunzio University, Pescara Italy

¹ All book series operate with a so called "double blind" peer review policy. This means that the reviewers of the paper won't get to know the identity of the author(s), and the author(s) won't get to know the identity of the reviewer.



Amber Narro - Southeastern Louisiana University, Hammond USA Andrea Pitasi - Gabriele d'Annunzio University, Pescara Italy Massimiliano Ruzzeddu - University Niccolò Cusano, Rome Italy Alfredo Spilzinger - Lord of Brownsel. Chairman Executive Board- Santa Fe Associates. USA Jiří Šubrt - Sociology at Charles University in Prague, Czech Republic

SYSTEMS RESEARCH AND BEHAVIOURAL SCIENCES

A win-win collaboration is active between the prestigious SYSTEMS RESEARCH AND BEHAVIOURAL SCIENCES (SRBS) http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1099-1743a published by WILEY, and WCSA. SRBS is a Q1 Scimago http://www.scimagojr.com/journalrank.php whose editorial board als oincludes WCSA Officers (http://www.wcsaglobal.org/) SRBS is also the open access journal for WCSA regular members.

SYSTEM THEORY AND COMPLEXITY, Publisher Aracne, Rome

Book series edited by Andrea Pitasi (2010-2013)

The System Theory is one of the most important intellectual protagonist of the XX century and on the eve of this third millennium. It stands as a powerful conceptual instrument for the socio-economical evolution of the society as we get from a series of studies: von Bertalanffy's research on biology, Wiener and Ashby's works, founders of the first cybernetic, Buckley's pages about the theory of information, von Foerster's study on the development of a second order cybernetic, Luhmann's social constructivism, Laszlo's holographic field, Crozier and Friedberg's studies about the science of organization and Delare's epistemological reflections. As Delattre himself brightly writes: "the theory of systems aim to crumble away learning and to develop a methodology up to the challenges of complexity (...). After the phase of deconstruction of the old disciplines (...), today it needs to go to a new synthesis of knowledge through a principle of unification that has to be different from the old ones, because it has to be suited to the others level of learning" (Delattre, 1984) and, from this point of view, the theory of systems turned out as a smashing conceptual model even because of its evolutionary and adaptive plasticity, for example through the paradigm shift from a everything/parts logic to a system/environment logic. It reveals its great heuristic power in creating conceptual and interdisciplinary modelizations that are necessary to develop analysis of global scenario, evolutionary strategies also endowed with a suitable predictive system – on a probabilistic base – and tactic-operative problem solving interventions that made it applicable even in more popular variables as the one made by Paul Watzlawick and his colleagues. The theory of systems is also evolutionary itself – as Ford and Lerner's wonderful researches testify - so it lends itself in creating conceptual glocal models able to manage the complex dynamics of globalization and localization, of integration and differentiation, that mark the self- organizational evolution of the living one. As Delattre sagely writes: "the interdisciplinary



nature of the theory of systems implies the study and the comparison of the methods and concepts used by the different disciplines to isolate the common substrate that is able to build the frame of a more or less unified language (...); each language has to be, as much as possible, formalized, that is that its rules of internal combination must be sufficiently precise to eliminate as a maximum ambiguities, and this is a constant need in every scientific activity". Thus, this publishing series pays attention and is opened to interdisciplinary contributes that could offer chances of kuhnian revolutions and schumpeterianally radical innovation at level with the evolutionary challenges of the complexity of the actual global scenarios that are so rich of epochal thresholds and bifurcations (for example it is about having an oil based economy still or seriously activating alternative sources of energy, invocating creationist theories about origins and biological identity or opening ourselves to evolutionary jumps that imply a re-reading – with its threats and opportunities – of the chances of life of men in new forms) that our times own and in front of which the most tragic and risky decision would be not deciding at all.

Moreover, since January 2010 and until december 2013, the book series has begun a strong collaboration with the WCSA and its journal titled NEW ATLANTIS devoted to the interdisciplinary complexity studies.

Published Books

- 1. Andrea Pitasi, Sfide del nostro tempo
- 2. Clelia Castellano, *Costruzione dell'identità femminile e pluralismo giuridico* (prefazione di Lucio d'Alessandro)
- 3. Ervin Laszlo, *Il pericolo e l'opportunità* (prefazione di Andrea Pitasi)
- 4. Gabriella Cortesi, Per il bene dei figli, (prefazione di Claudio Baraldi)
- 5. Roberta Vacca, L'organizzazione nello specchio della complessità (prefazione di Paolo De Nardis e postfazione di Lucio d'Alessandro)
- 6. Giulio Marini, E-learning. Apprendimento e internet dopo lo sboom della new economy (prefazione di Fernando Sarracino)
- 7. Andrea Pitasi, Teoria sistemica e complessità sociale
- 8. Andrea Pitasi, Teoria sistemica e complessità morfogenetica del capitalismo (prefazione di Ervin Laszlo)
- 9. Simone D'Alessandro, Creatività: normalissima improbabilità? Per un di- alogo sociologico tra problema e soluzione (prefazione di Domenico De Masi)
- 10. Rossella Mascolo, L'emergere della biologia della cognizione. La com- plessità della vita di Humberto Maturana Romesin (prefazione di Pier Luigi Luisi)
- 11. Serena Affuso, Simone D'Alessandro, Giulio Marini (Eds) The Next Global Scenarios. The Systemic approach
- 12. Massimiliano Ruzzeddu, Tra Ordine e Incertezza. preface by Andrea Pitasi



The scientific board members for the series are as follows:

Lucio d'Alessandro, Università Suor Orsola Benincasa, Napoli, Italia

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Helga Nowotny, WWTF Vienna Science and Technology Fund, Austria

Roberta Paltrinieri, Università di Bologna, Italia

Leon Rapport, Kansas State University; Manhattan -KS-, USA (1932-2009)

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Francesco Vespasiano, Università del Sannio, Benevento, Italia

Paolo Zurla, Università di Bologna, Italia



SCENARIOS AND STRATEGIES, Publisher McGrawHill, Milan

At the beginning of the 21th century mankind has to choose among a range of critical, pivotal and complex decisions. Key bifurcations concerning energy, biotechnologies applied - for example - to agriculture, ecology, of the genetic engineering applied to the reproduction of the human species, regarding the economical organization of the markets or some crossroads such as the between laying up for an hand crafted-local encouraging narrow-minded behaviour or empowering hypertechnological and global open-minded one, or between policymaking sets-up that are more and more pluralist, laic and tolerant or sets-up that are more and more dogmatic, theocratic and conservative up till they become reactionary. The challenges of our time are really not so numerous but critical, especially if they involve - as it often happens - the evolutionary borderlines of the whole human being. In this context of big epochal challenges and strategic choices that are critical fot the whole planet, it is more and more difficult for a well-read but not specialized person to comprehend and evaluate the world surrounding him. This book offers an interdisciplinary prospective mostly but not exclusively from juridical sociology, economic sociology, macroeconomics and business economics applied to the most relevant strategies in our scenarios with their complex bifurcations and crossroads. The privileged readership of this book collection is composed from students, businessmen, managers, professionals, journalists and policymakers, books that show thorough strategic analysis, suggests of strategic and tangible actions towards the most critical and enthralling challenges for our immediate future.

Published issues

- 1. Andrea Pitasi, (a cura di), Il valore tangibile degli intangibili
- 2. S. Affuso G. Vecchione, Migrazioni intellettuali e Mezzogiorno d'Italia

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Francois Heinderyckx, Université Libre de Bruxelles (ULB), Bruxelles, Belgium

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Shawn McIntosc, Coumbia Univeristy, New York, Usa

Gabriele Melischek, Austrian Acandemy of Sciences, Wien, Austria

Nitamo Montecucco, Club of Budapest-Italian Division, Bagni di Lucca, Italy

Vittorio Olgiati, Università Carlo Bo, Urbino, Italy

Luc Pauwels, University of Antwerp, Belgium

Carlo Pennisi, Università di Catania, Italy

Valerio Pocar, Università Bicocca, Milan, Italy

Nikolae Rambu, Università di Lasi, Romania

Leon Rappoport, Kansas State University, Manhattan, KS, USA

(March 11, 1932- September 10, 2009)

Annika Rickne, Innovation and Entrepreneurship, University of Gothenburg, Sweden Annamaria

Rufino, Seconda Università Naples Italy

Alvaro Patricio Elgueta Ruiz, Catolica de la Santisima Concepcion University, Concepcion, Chile

Francesco Sidoti, Università dell' Aquila, Italy

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Shyam Sundar, WCU-World Class

University-Sungkyunkwan University, Seoul, South Korea

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Aldo Ventre, Seconda Università, Naples, Italy

Richard C. Vincent, Indiana State University, USA

Deena Weinstein, Depaul University, Chicago, USA

Adelino Zanini, Univ. Politecnica delle Marche, Itay

APPLIED SOCIOLOGICAL THEORY, Publisher: L'Harmattan, Paris-Turin

A famous quotation attributed to different thinkers in different times states that "there is nothing as practical as a good theory". A good theory is defined by some key features which from the mertonian middle range try to increase the width and power of the theory itself accurately linked to methodology and aimed to provide key contributions to policymaking. The spirit of this book series is to present works featured by a certain cross epistemological and methodological footprint whose applied studies might cross cut different cases from media analysis to urban change, from economical policymaking to the social construction of rules and norms. To sum up, this book series links theory-methodology and applied research focusing on a kind of harmony among these spheres to design effective research works also strategic to the development of adequate policymaking initiatives.

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Published Books

- 1. Andrea Pitasi, Le Monde Hyperhumain. Systèmes juridiques et changement social, 2011 Prefazione di Ervin Laszlo.
- 2. Ivo Stefano Germano, Emilia Ferone (a cura di) La persona nella teoria sociologica contemporanea, 2012 Prefazione di Antonio Malo.
- 3. Domenico Carzo (a cura di), Spazi, tempie linguaggi. Le migrazioni tra nuove tecnologie e diritti emergenti, 2012.

The scientific board members for the series are as follows:

Lucio d'Alessandro, Università Suor Orsola Benincasa, Napoli.

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Antnio Maturo, Università d'Annunzio, Chieti-Pescara.

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Alberto Tarozzi, Università del Molise, Campobasso-Isernia.

Francesco Vespasiano, Università del Sannio, Benevento, Italia

Paolo Zurla, Università di Bologna, Italia



COSMOPOLITAN SCIENCES, Publisher Loffredo, Naples

Sociology, law, economy, mathematics, business studies, engineering, biology, robotics, genetic ecc. are increasingly showing the ductility of their conceptual boundaries in a global setting of growing cosmopolitism, especially regarding political, economical and social affairs. Therefore, the current scenario describes a world in which both the epistemological borders and geopolitical ones are crumbling, of course, not without some pockets of resistance and resurgence. This book-series welcomes interdisciplinary volumes with a theoretical or practical style, which are aimed at bringing out the power of a fluctuating world oriented towards a cosmopolitan horizon and a conceptual models suitable to deal with new challenges, weaknesses and opportunities; this world will ask to his global citizen to be cosmopolitan, scientifically learned, conscious and proactive to create new forms of interdisciplinary association and to be able to speed up the diffusion of scientific and technological innovations particularly strategic for the problem setting and problem solving skills required by the scenarios of the future.

Published Book

- 1. Demetrio P. Errigo, Sentieri sistemici, 2011
- 2. Elvira Martini, Socializzare per innovare, 2012
- 3. Emilia Ferone, Regole e comunicazione del capitalismo accademico, 2013

The scientific board members for the series are as follows:

Lucio D'Alessandro, Università Suor Orsola Benincasa, Napoli, Italia Sebastiano Bagnara, Università di Sassari-Alghero, Italia Roberta Bisi, Università di Bologna, Bologna, Italia Gaetano Bonetta, Università d'Annunzio, Chieti-Pescara, Italia Hans-Bernd Brosius, Universität München, Germania Michele Cascavilla, Università d'Annunzio, Chieti-Pescara, Italia Leonardo Cannavò, Università La Sapienza, Roma, Italia Domenico Carzo, Università di Messina, Messina, Italia Augusta Consorti, Università d'Annunzio, Chieti-Pescara, Italia Umberto Costantini, Formez di Napoli, Italia Giancarlo Corsi, Università Di Modena E Reggio Emilia Paolo De Nardis, Università La Sapienza, Roma, Italia Paola Di Nicola, Università di Verona, Verona, Italia Giovanbattista Fatelli, Università La Sapienza, Roma, Italia Fabrizio Fornari, Università d'Annunzio, Chieti-Pescara, Italia Giancarlo Guarino, Università Federico II, Napoli, Italia Horst Hanusch, University of Augsburg, Germania Ervin Laszlo, Global Shift University, USA Loet Leydesdorff, University of Amsterdam, Olanda



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Antonio Maturo, Università d'Annunzio, Chieti-Pescara, Italia
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Attila Massimiliano ed Enrico Tanzi, Università di Bologna, Italia
Michela Venditti, Università d'Annunzio, Chieti-Pescara, Italia
Francesco Vespasiano, Università del Sannio, Benevento, Italia
Paolo Zurla, Università di Bologna, Italia

IN COLLABORATION WITH LAMBERT ACADEMIC PUBLISHING:

- 1. Andrea Pitasi, The hyper human World: Legal Systems and Social Complexity, 2012
- 2. Andrea Pitasi-Giulia Mancini Systemic Shift in Sociology: Essays on World Order Model Design, (eds), 2013
- 3. Giuseppe Paolone- Andrea Pitasi Comparing System Business Paradigms: Change, Complexity, Communication and Evolutionary Strategies, 2013
- 4. Massimiliano Ruzzeddu Keywords of Systemic Vision, Massimiliano Ruzzeddu (eds), 2014



SEMINARS WORKSHOPS AND CO-SPONSORED MEETING

OLOS, il manifesto del nuovo paradigma scientifico

Presentation of "OLOS" film: the new sciences of complexity are explained through the holistic paradigm in terms of physical, biological, psychological, social. *Libreria Feltrinelli*, *Pescara19 giugno 2010*

CONVERSAZIONE SULLA TEORIA DEI SISTEMI Prof. Demetrio Paolo Errigo

Program: chaos, complexity, systems, models elements for the construction of natural systems models (non-organic, biological) social system, computer model of the human nervous system

Pescara, 30 Agosto - 2 settembre 2010

SOCIAL NETWORK ANALYSIS

Prof. Giuseppe Giordano, Prof. Domenico De Stefano, Prof. Agnieszka Stawinoga

Introduction to the Analysis of Social Networks, definitions and data structures. Mathematical and analytical aspects of Analysis of Social Networks. The main network Centrality Indexes. The analysis of the sub-network structures. Positions and roles in a network structural equivalence and Block-modeling.

Palermo, 22 - 25 Settembre 2011

3rd ISA FORUM OF SOCIOLOGY: The futures we want: global sociology and the struggles for a better world

Epistemic Uncertainty and Complexity Theories Session Organizer: Andrea PITASI, World Complexity Science Academy, Italy Vienna, 14 July 2016

The Cultural Dimension of Innovation Processes Session Organizer: Massimiliano RUZZEDDU, World Complexity Science Academy, Italy Vienna, 14 July 2016

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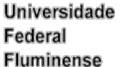
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