

Goals

Born in the academic world in the mid seventies, Complexity Science promotes a dramatic paradigm shift in the history of knowledge: to surpass classical determinism in order to reconcile "hard" sciences with the disciplines related to life, society and culture. The success of this approach can not only ease our living with the uncertainty which is characteristic of complex social systems: a deep and fruitful interchange between science and society may also open the doors to the emergence of desirable futures.

The main goal of this workshop is to discover the path which runs from the challenges of a global, networked society and the emergent phenomena to which it gives rise, towards a new foresight, able to build projects of future, through the necessary mediation of a renewed and interdisciplinary science, which leans on uncertainty as a generator of new realities.

The journey will not bear its fruits if the dialog limits itself to the scientific domain only. A strong interaction is needed between personalities of varied fields, whether they come from business, public administration, university, research, politics or the world of creativity. Different visions and contributions will be required for the new paradigm to give birth to practical realities. Likewise, the workshop is addressed to a wide audience: it only requires intellectual curiosity, openness to interdisciplinary interchanges and a keen interest in the future of all of us.

The workshop will go through four stages:

- First Stage: Society and global networks
- Second Stage: Emergent phenomena
- Third Stage: Visions of new science
- Fourth Stage: Building desirable futures

Información, matrículas y becas (plazas limitadas)

Hasta el 15 de junio

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Horario:
mañanas: 9,00 - 14,00 h
tardes: 16,00 - 18,00 h
(excepto viernes)

A partir del 18 de junio

Santander
Palacio de la Magdalena
39005 Santander
Tel.: 942 29 88 00
942 29 88 10
Fax: 942 29 88 20

Horario:
mañanas: 9,30 - 14,00 h
tardes: 16,30 - 19,00 h
(excepto viernes)

Transportista oficial
IBERIA

Plazos

Solicitud de becas
Del 30 de abril al 25 de mayo
Apertura de matrículas
Desde el 30 de abril hasta completar plazas

www.uimp.es

UIMP Universidad Internacional
Menéndez Pelayo

Sponsored by:

innaxis
Innovation for
a Complex World

Plan Regional
IDH
de Cantabria

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**Social Complexity and New
Scientific Paradigms:
Towards building desirable
futures**

**Pablo de Castro García
Carlos Álvarez Pereira**

13-16 August 2007

**Santander, Museo
Marítimo del Cantábrico**

Complejidad social y nuevos paradigmas científicos: hacia la construcción de futuros deseables

Directors
Carlos Álvarez Pereira
President of the Innaxis Foundation and CEO of Telenium
Pablo de Castro García
Director General for Development and Technological Innovation - Government of Cantabria

Monday 13

10,30 h. Institutional Opening
Miguel Ángel Pesquera González
Minister for Industry, Employment & Technological Development - Gobierno de Cantabria

10,50 h. The roadmap of complex systems
Carlos Álvarez Pereira

FIRST STAGE: SOCIETY AND GLOBAL NETWORKS

12,00 h. The new global energy scenario and its geopolitical implications
Paul Isbell
Research Principal ,

13,00 h. The new global energy scenario and its geopolitical implications
Francisco Jariego
Director - Telefónica I+D

16,30 h. Complex challenges in mobility: the case of air transport
David Young
Chief Strategist - Eurocontrol

17,30 h. Round Table
 Globalization and complexity
Paul Isbell
David Young
Francisco Jariego

Chair
Carlos Álvarez Pereira

Tuesday 14

10,00 h. Global innovation networks: the experience of Cantabria
Pablo de Castro García

11,00 h. Innovation and complexity in economy and finance
Pablo Coto
 Professor – Universidad de Cantabria; Chairman – Economic & Social Council of Cantabria

SECOND STAGE: EMERGENT PHENOMENA

12,30 h. The promotion of entrepreneurship at school
José Manuel Pérez "Pericles"
Director, Ciudad Tecnológica Valnalón

13,20 h. Electronic democracy: new methods for a better world
David Ríos, Professor - Universidad Rey Juan Carlos; Member of the Royal Spanish Academy of Sciences

16,30 h. Virtual worlds and metaverses: Second Life and beyond
Luis Sotillos
Director de Novatierra, Founder - SecondLifeSpain.com (unofficial site)

17,30 h. Round Table
 Citizens power
David Ríos
Luis Sotillos
José Manuel Pérez "Pericles"
Nico García
Director General – Catorce Comunicación

Chair

Pablo de Castro García

Wednesday 15

10,00 h. Media, broadcasting business and networked society
Nico García

THIRD STAGE: VISIONS OF NEW SCIENCE

11,00 h. Chaos and complexity: from physics to society
Rosa Mª Benito
Professor - Universidad Politécnica de Madrid

12,30 h. A new foresight for the world: the maps of the future
Martín Ortega
 Research Principal
 European Union Institute for Security Studies

13,20 h. Evolution, complexity and cognition: towards the "global brain"
Francis Heylighen
 Professor
 Free Univesity of Brussels

16,30 h. e-Science: network supercomputing
Jesús Marco
 Director - Cantabria Physics Institute

17,30 h. Round Table
 The challenges of scientific networks
Rosa Mª Benito
Jesús Marco
Francis Heylighen

Chair
Carlos Álvarez Pereira

Thursday 16

FOURTH STAGE: BUILDING DESIRABLE FUTURES

10,00 h. Innovation and future: the strategy of the European Union
José Manuel Silva Rodríguez
Director General
Comisión Europea - DG Research

10,50 h. Building global governance
Martín Ortega

12,00 h. Building the future in a european region
Miguel Ángel Pesquera González

12,50 h. Towards an optimistic foresight of complex systems
Carlos Álvarez Pereira

13,45 h. Institutional Closing
José Manuel Silva Rodríguez
Director General



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