

How to **Contact** us

APPLICATION FORM

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Please make the following reservation:

- The **Exystence** Seminar with **Prof. Ricard V. Solé**,
Prof. Eve Mitleton-Kelly, and **Mr. Peter Fryer** on
Wednesday 29 October 2003

... places at 100€ per person, including seminar materials,
and refreshments.

Name

Company name

Academic Institution

Address

Telephone number

Fax number

Email

Payment: By cheque accompanying this application or
contacting Mr. Francisco Javier Ruiz de Munain. If a written
cancellation is received more than ten days before the
seminar, the fee will be refunded.

Closing date: 23 October 2003

How to get to The **Euskalduna** Centre



Palacio Euskalduna de Congresos

Avda. Abandoibarra nº4, 48011
BILBAO
Tel. 944 035 000
Fax: 944 035 001



<http://www.euskalduna.net/>



The **Exystence** Complexity Seminar

Complexity Science as an Enabler of Intra and Inter Organizational Network Development

Prof. Ricard V. Solé

*"Complexity & Networks: From Complex System
Dynamics to Network Dynamics"*

Prof. Eve Mitleton-Kelly

*"ICoSS Methodology and Rolls Royce Marine Case
Study: Enabling Inter-Organizational Network
Development"*

Mr. Peter Fryer

*"Humberside TEC Experience: Intra-Organizational
Network Development"*

Wednesday 29 October 2003

9:00 – 14:15

at Palacio Euskalduna of Bilbao, Basque Country, Spain

The Exystence Complexity Seminars

Exystence is the European Network of Excellence in Complex Systems funded by the Future Emerging Technologies (FET) of the European Commission. The main goal of these seminars is the diffusion of the concepts and principles of Complexity Science, applied to the context of Organizational challenges, by international complexity experts to an auditorium of business community senior executives and people from government departments. Discussion, dialogue and reflection on the topics stated by the presenters, from the perspective of the auditorium practical organizational threats, is desired. Seminars are recorded and edited so that the presentations and the audience questions are captured and written up as a report published on the Exystence website, <http://www.complexityscience.org/>

Context and Structure of the Seminar

The Seminar will try to cover the recent interest that Complexity Science is showing in network structures and network dynamics, the evolution towards the study of networks in Complexity Science (D. Watts; A.L. Barabasi; R.V. Solé...), as well as the Network Paradigm as the underlying structural arrangement behind most of the new organizational alternatives that have emerged recently on New Organizational Forms (N. Nohria; W.W. Powell; M. Castells...).

New Organizational Forms have emerged due to the transition from an economy based on materials to an economy based on intense flows of information that have to deal with core themes as interdependence, disembodiment, market speed, and power. Globalization, hyper-competitive environments and lower communication transaction costs compel firms to dissolve internal and external boundaries and concentrate on core processes competencies, and organize around social relations in order to create and integrate knowledge and leverage intellectual capital in response to new opportunities or problems, through networks of organizational actors that allow components to be flexibly recombined into a variety of configurations to develop intra and inter-firm cooperation, collaboration, and alliance networks to access new sources of innovation and intellectual and social capital.

Complexity, Networks and Organization Science therefore find a synergetic junction in the concept of New Organizational Forms and

the Networked Organization in order to facilitate the development and management of these intra and inter-organizational collaboration and cooperation networks, by the creation of enabling conditions for spontaneous bottom-up emergence of successful network formation and the development of top-down workable business processes to embed those network relations in.

The seminar will consist of three presentations that can cover these important issues from two main dimensions; the first is the academic-practical aspect, and the second is the inter-intra organizational aspect:

	Main principles of Complexity-Networks	Inter-Org. Networks (RRM)	Intra-Org. Networks (Humerside- TEC)
Academic	RICARD V. SOLÉ		
Action-Research		EVE MITLETON-KELLY	
Business practice			PETER FRYER

Programme of the Seminar

Complexity Science as an Enabler of Intra and Inter Organizational Network Development

- 9:00 – 9:30 Welcome and Introduction by Mr. Javier Gabilondo (SPRI). *The Extended Enterprise and the strategic research programme CONex*
- 9:30 – 10:45 **Prof. Ricard V. Solé**
Complexity & Networks: From Complex System Dynamics to Network Dynamics
- 10:45 – 12:00 **Prof. Eve Mitleton-Kelly**
ICoSS Methodology and Rolls Royce Marine Case Study: Enabling Inter-Organizational Network Development [mergers & acquisitions]
- 12:00 – 12:30 Coffee Break and Refreshments
- 12:30 – 13:45 **Mr. Peter Fryer**
Humerside TEC Experience: Intra-Organizational Network Development in Practice
- 13:45 – 14:15 Colloquium and General Feedback

Presenters

Ricard V. Solé is ICREA Research Professor (the Catalan Institute for Research and Advanced Studies). Director in the Universitat Pompeu Fabra of the COMPLEX SYSTEMS LAB. He is External Professor of the Santa Fe Institute (New Mexico, USA), Senior member of the NASA-associate Center of Astrobiology (CAB) in Madrid and member of the editorial board of Advances in Complex Systems and FRACTALS. He is author of several papers and books in the field of Complexity and a recognized international expert in the research field of Complexity and Networks.

For more information see, <http://complex.upf.es/~ricard/>

Eve Mitleton Kelly is Director of the Complexity Research Programme at the London School of Economics and at the Open University. Coordinator of Links with Industry and Government for the European Network of Excellence, called 'Exystence', funded by the EC, which started in April 2002. She is also a Director of the Complexity Society, a UK-based Network of Networks on Complex Systems, and advisor to several European and USA organisations on the implications of the theories of complexity for organisations and specifically on strategy, IT legacy systems, organisational learning and the emergence of organisational forms.

For more information see, <http://www.lse.ac.uk/complexity>

Peter Fryer was Chief Executive of the Humberside TEC (this Training and Enterprise Councils were created throughout the UK in 1991 by the then Government out of the privatisation of the Manpower Services Commission) where he based the management, leadership and organisational principles of the TEC on the application of complexity. Nowadays, he is an independent consultant and co-founder of Trojanmice.

For more information see, <http://www.trojanmice.com/>