



2nd Winter School in Complexity Sciences
"Formal approaches for the representation and analysis of social network structures"

Lisbon University Institute, January 11-15, 2010

<http://complexsystemstudies.eu/winterschool>



THEME: FORMAL APPROACHES FOR THE REPRESENTATION AND ANALYSIS OF SOCIAL NETWORK STRUCTURES

AN EVENT ASSOCIATED WITH THE NEW

*INTERNATIONAL DOCTORAL AND MASTER PROGRAMS
IN COMPLEXITY SCIENCES*

INTERDISCIPLINARY APPROACH:

PHILOSOPHY OF SCIENCE, COMPUTER NETWORKS, SOCIAL NETWORK THEORY, MATHEMATICS (GRAPH THEORY, HYPERNETWORKS THEORY)

TOOLS AND APPROACHES USED TO REPRESENT DIFFERENT SORTS OF NETWORK STRUCTURES; ANALYSIS OF SOCIAL NETWORKS



PROGRAMME

MONDAY 11.01.2010

14:30-15:00

REGISTRATION (RECEPTION BUILDING 2, 1ST FLOOR)

15:00-17:00

PRACTICAL SESSION: JORGE LOUÇÃ AND DAVID RODRIGUES (COMPUTER ROOM 0S2, BUILDING 1) - "SOFTWARE FOR THE REPRESENTATION AND ANALYSIS OF NETWORKS"

17:30-19:00

THEORETICAL SESSION: JORGE LOUÇÃ (ROOM C103, BUILDING 2, 1ST FLOOR) - "INTRODUCTION TO THE WINTER SCHOOL 2010" AND "ABOUT SCALE AND STRUCTURE IN NETWORKS"

19:00-20:30

THEORETICAL SESSION: JAMES P.G. STERBENZ (ROOM C103, BUILDING 2, 1ST FLOOR) - "COMPUTER NETWORK MODELLING STATE-OF-THE-ART AND NEW RESEARCH APPROACHES"



PROGRAMME

TUESDAY 12.01.2010

15:30-16:30

RESEARCH SEMINAR: JAMES P.G. STERBENZ (AUDITÓRIO AFONSO DE BARROS, BUILDING ALA AUTÓNOMA) - "THE GREAT PLAINS ENVIRONMENT FOR NETWORK INNOVATION (GPENI): A PROGRAMMABLE TESTBED FOR FUTURE INTERNET ARCHITECTURE RESEARCH"

17:30-19:00

THEORETICAL SESSION: JOHN SYMONS (ROOM C103, BUILDING 2, 1ST FLOOR) - "SELF-ORGANIZATION, EMERGENCE AND THE NETWORKS MODEL OF INQUIRY"

19:00-20:30

THEORETICAL SESSION: GERGELY PALLA (ROOM C103, BUILDING 2, 1ST FLOOR) - "STATISTICAL PROPERTIES OF TAGGED NETWORKS"



PROGRAMME

WEDNESDAY 13.01.2010

15:00-17:00

PRACTICAL SESSION: RUI LOPES AND RUI MARINHEIRO (COMPUTER ROOM 0S1, BUILDING 1) - "COMPUTER NETWORK MODELLING APPROACHES: THEORY AND TOOLS"

17:30-19:00

THEORETICAL SESSION: SANTO FORTUNATO (ROOM C103, BUILDING 2, 1ST FLOOR) - "COMMUNITY DETECTION IN GRAPHS I"

19:00-20:30

THEORETICAL SESSION: JEFFREY JOHNSON (ROOM C103, BUILDING 2, 1ST FLOOR) - "AN INTRODUCTION TO HYPERNETWORKS"



PROGRAMME

THURSDAY 14.01.2010

15:00-17:00

PRACTICAL SESSION: JORGE LOUÇÃ AND DAVID RODRIGUES (COMPUTER ROOM 0S1, BUILDING 1) - "SOFTWARE FOR THE REPRESENTATION AND ANALYSIS OF NETWORKS"

17:30-19:00

THEORETICAL SESSION: SANTO FORTUNATO (ROOM C103, BUILDING 2, 1ST FLOOR) - "COMMUNITY DETECTION IN GRAPHS II"

19:00-20:30

THEORETICAL SESSION: GERGELY PALLA (ROOM C103, BUILDING 2, 1ST FLOOR) - "MULTIFRACTAL NETWORK GENERATOR"



PROGRAMME

FRIDAY 15.01.2010

15:00-17:00

PRACTICAL SESSION: JORGE LOUÇÃ AND DAVID RODRIGUES (COMPUTER ROOM 0S1, BUILDING 1) - "SOFTWARE FOR THE REPRESENTATION AND ANALYSIS OF NETWORKS"

17:30-19:00

THEORETICAL SESSION: JOHN SYMONS (ROOM C103, BUILDING 2, 1ST FLOOR) - "CAUSALITY AND PATTERN DISCOVERY"

19:00-20:30

THEORETICAL SESSION: JEFFREY JOHNSON (ROOM C103, BUILDING 2, 1ST FLOOR) - "HYPERNETWORKS FOR MODELLING MULTILEVEL DYNAMICS"