COURSE CATALOG

Ph.D. in Mathematics and Computer Science

Academic year 2023/2024

FEBRUARY 21-26
- **TRADITIONAL AND EMERGING METHODS FOR HIGH PERFORMANCE COMPUTING**
  Introduction to Quantum Computing and applications on Internet Security
  A. GIORDANO - ICAR CNR, F. PLASTINA - University of Calabria

FEBRUARY 27-APRIL 30
- **RESEARCH AND CAREER PLANNING FOR DOCTORAL STUDENTS**
  How to do research, write papers and project proposal, and how to prepare for a careerr as PhD
  G. GOTTLOB - University of Calabria

MARCH 04-08
- **DIDACTICAL ASPECTS OF MATHEMATICS**
  Teaching and learning Mathematical Modelling
  A. SERPE - University of Calabria

MARCH 18-27
- **TOPICS IN PDES**
  Symmetry results for semilinear elliptic PDEs
  F. ESPOSITO - University of Calabria

MAY 06-17
- **TOPICS IN ALGEBRA**
  Cohomology of groups and locall-global questions
  L. PALADINO - University of Calabria

MAY 17-JUNE 14
- **ADVANCED METHODS, TOOLS AND APPLICATIONS FOR ARTIFICIAL INTELLIGENCE**
  Modelling and Solving in Answer Set Programming
  F.RICCA, C.DODARO - University of Calabria

MAY 17-20
- **INTERPOLATION, APPROXIMATION AND THEIR APPLICATIONS**
  Finite element methods in the context of the Helmholtz equation
  S. TORDEAUX - University of Pau and the Adour Region

MAY 27-31
- **COMPUTER AND DATA SCIENCE INNOVATION IN MULTIDISCIPLINARY AREAS**
  Emerging Models and Paradigms in Network Science
  F. CAUTERUCCIO - Polytechnic University of Marche

JUNE 10-14
- **APPROXIMATE DYNAMIC PROGRAMMING FOR DYNAMIC OPTIMIZATION PROBLEMS**
  J. OHLMANN - University of Iowa

SEPTEMBER 16-20
- **ADVANCED OPTIMIZATION MODELS AND METHODS**
  Applications to planning complex consolidation-based freight transportation systems
  T.G. CRAINIC - University of Quebec in Montreal

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