



«ETTORE MAJORANA» FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE

TO PAY A PERMANENT TRIBUTE TO ARCHIMEDES AND GALILEO GALILEI, FOUNDERS OF MODERN SCIENCE
AND TO ENRICO FERMI, THE "ITALIAN NAVIGATOR", FATHER OF THE WEAK FORCES



INTERNATIONAL SCHOOL OF MATHEMATICS «GUIDO STAMPACCHIA»

67th Workshop: *STOCHASTIC METHODS IN GAME THEORY*

ERICE-SICILY: 5 – 13 MAY 2017

Sponsored by the: • Italian Ministry of Education, University and Scientific Research • Sicilian Regional Government •

PROGRAMME AND LECTURERS

Learning and bounded rationality

Networks

Information aggregation and transmission

Privacy and mechanism design

Large games

Algorithmic game theory

Congestion games and queues

Stochastic and dynamic games

- S. ALPERN, University of Warwick, UK
- G. ASHKENAZI-GOLAN, Tel Aviv University, IL
- Y. AZRIELI, Ohio State University, Columbus, OH, US
- P. BATTIGALLI, Università Bocconi, Milano, IT
- J. CORREA, Universidad de Chile, Santiago de Chile, CL
- B. DE KEIJZER, Centrum Wiskunde & Informatica, Amsterdam, NL
- J. ESCOBAR, Universidad de Chile, Santiago de Chile, CL
- J. FLESCHE, Maastricht University, NL
- G. FOURNIER, Institute for Advanced Study in Toulouse, FR
- Y. HELLER, Bar-Ilan University, IL
- Z. HELLMAN, Bar-Ilan University, IL
- J. HÖRNER, Yale University, New Haven, CT, US
- N. IMMORLICA, Microsoft Research, Cambridge, MA, US
- R. JOHARI, Stanford University, CA, US

- N. KLEIN, Université de Montreal, QC, CA
- M. KLIMM, Technische Universität Berlin, DE
- P. MERTIKOPOULOS, CNRS MESCAL, Grenoble, FR
- E. NIKOLOVA, University of Texas, Austin, TX, US
- S. OREN, Ben-Gurion University of the Negev, IL
- G. PILIOURAS, Singapore University of Technology and Design, SG
- A. PREDTETCHINSKI, Maastricht University, NL
- C. RAINER, Université de Brest, FR
- F. RIEDEL, Universität Bielefeld, DE
- G. SCHÄFER, Centrum Wiskunde & Informatica, Amsterdam, NL
- A. SKOPALIK, Universität Paderborn, DE
- E. SOLAN, Tel Aviv University, IL
- P. SPIRAKIS, University of Liverpool, UK
- C. STEWART, University of Toronto, ON, CA
- W. SUDDERTH, University of Minnesota, Minneapolis, MN, US
- Y. SUN, National University of Singapore, SG
- O. TAMUZ, Caltech, Pasadena, CA, US
- R. TEPER, University of Pittsburgh, PA, US
- J. THIJSEN, University of York, UK
- N. VIEILLE, HEC, Paris, FR
- C. WAN, Shanghai University of Finance and Economics, CN
- W. ZIELONKA, Université Paris Diderot, FR
- B. ZILLOTTO, CNRS Université Paris Dauphine, FR

PURPOSE OF THE WORKSHOP

Many decision problems involve elements of uncertainty and of strategy. Most often the two elements cannot be easily disentangled. The aim of this workshop is to examine several aspects of the interaction between strategy and stochastics. Various game theoretic models will be presented, where stochastic elements are particularly relevant either in the formulation of the model itself or in the computation of its solutions. The attention will focus on theoretical results and their relevance with respect to other disciplines and on various applications in telecommunications, transportation science, operations management, algorithms.

The speakers will be scholars in different fields: stochastics, economics, operations research, computer science, mathematics, control engineering, etc.

APPLICATIONS

Persons wishing to attend the Workshop should apply by sending an e-mail to the Co-Director of the Workshop:

Professor Marco SCARSINI
Department of Economics and Finance – LUISS
Viale Romania 32 – 00197 Roma, Italy
E-mail: marco.scarsini@luiss.it

Webpage of the workshop:

<https://sites.google.com/site/ericegametheory2017>

Closing Date for Applications: 15 April, 2017.

PLEASE NOTE

Participants must arrive on 5 May, not later than 6 p.m.

POETIC TOUCH

According to legend, Erice, son of Venus and Neptune, founded a small town on top of a mountain (750 metres above sea level) more than three thousand years ago. The founder of modern history — i.e. the recording of events in a methodic and chronological sequence as they really happened without reference to mythical causes — the great Thucydides (~500 B.C.), writing about events connected with the conquest of Troy (1183 B.C.) said: «*After the fall of Troy some Trojans on their escape from the Achaei arrived in Sicily by boat and as they settled near the border with the Sicani all together they were named Elymi: their towns were Segesta and Erice.*» This inspired Virgil to describe the arrival of the Trojan royal family in Erice and the burial of Anchise, by his son Enea, on the coast below Erice. Homer (~1000 B.C.), Theocritus (~300 B.C.), Polybius (~200 B.C.), Virgil (~50 B.C.), Horace (~20 B.C.), and others have celebrated this magnificent spot in Sicily in their poems. During seven centuries (XIII-XIX) the town of Erice was under the leadership of a local oligarchy, whose wisdom assured a long period of cultural development and economic prosperity which in turn gave rise to the many churches, monasteries and private palaces which you see today. In Erice you can admire the Castle of Venus, the Cyclopean Walls (~800 B.C.) and the Gothic Cathedral (~1300 A.D.). Erice is at present a mixture of ancient and medieval architecture. Other masterpieces of ancient civilization are to be found in the neighbourhood: at Motya (Phoenician), Segesta (Elymian), and Selinunte (Greek). On the Aegadian Islands — theatre of the decisive naval battle of the first Punic War (264-241 B.C.) — suggestive neolithic and paleolithic vestiges are still visible: the grottoes of Favignana, the carvings and murals of Levanzo. Splendid beaches are to be found at San Vito Lo Capo, Scopello, and Cornino, and a wild and rocky coast around Monte Cofano: all at less than one hour's drive from Erice.

More information about the other activities of the
«ETTORE MAJORANA» FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE
can be found on the WWW at the following address:
<http://www.ccsem.infn.it>