
28th Workshop of the International School of Geophysics
**5th International Workshop on Statistical Seismology:
Physical and Stochastic Modelling of Earthquake Occurrence and Forecasting**
(EMFCSC, Erice, Sicily, 31 May - 6 June, 2007)

Dear Colleagues,

We invite applications to attend the 5th International Workshop on Statistical Seismology (Statsei5) titled "Physical and Stochastic Modelling of Earthquake Occurrence and Forecasting" (<http://www.ingv.it/primopiano/erice2007/statseiV/indice.html>) to be held at the "Ettore Majorana" Foundation and Centre for Scientific Culture in Erice (Sicily), Italy from May 31 to June 6, 2007. The workshop will be sponsored by the Italian Istituto Nazionale di Geofisica e Vulcanologia (INGV), the Swiss Federal Institute of Technology Zurich (ETH), the Japanese Institute of Statistical Mathematics (ISM), with possible additional support provided by other sponsors that are being contacted. The list of organizers, main topics and invited speakers is given below.

Programming Committee: Prof. E. Boschi, INGV, Rome, Italy
Prof. R. Console, INGV, Rome, Italy
Dr. M. Cocco, INGV, Rome, Italy
Dr. S. Wiemer, ETH, Zürich, Switzerland

Advisory Board: Dr. M. Cocco, INGV, Rome, Italy
Prof. R. Console, INGV, Rome, Italy
Dr. W. Marzocchi, INGV, Bologna, Italy
Prof. Y. Ogata, Institute of Statistical Mathematics, Tokyo, Japan
Prof. D. Schorlemmer, USC, Los Angeles, CA, USA
Prof. D. Vere-Jones, Victoria University of Wellington, New Zealand
Dr. S. Wiemer, ETH, Zürich, Switzerland

Topics to be discussed

- CHAOS AND PREDICTABILITY
- THE USE OF SYNTHETIC SIMULATORS
- VALIDATION OF SPACE-TIME MODELLING
- EARTHQUAKE INTERACTION AND NUCLEATION
- THE REAL EXISTENCE OF THE BACKGROUND ACTIVITY
- VALIDITY OF THE GUTENBERG-RICHTER MODEL
- DATA, COMPUTING POWER AND SOFTWARE: FUTURE NEEDS OF THE COMMUNITY
- LIVING IN AN UNCERTAIN WORLD: INTERFACING STATISTICAL SEISMOLOGY WITH OTHER SCIENCES AND SOCIETY

Currently Foreseen Research talks

Y. Ben-Zion	University of Southern CA, Los Angeles, USA
J. Dieterich	University of California, Riverside, USA
S. Hainzl	University of Potsdam, DE
M. Imoto	National Research Inst. for Earth Science and Disaster Prevention, JP
D. Jackson	University of California, Los Angeles, USA
D. Marsan	Université de Savoie, FR
A. Michael	USGS, Menlo Park, USA
D. Rhoades	Institute of Geological and Nuclear Sciences, NZ
J. Rundle	University of California, Davis, USA
K.F. Tiampo	University of Western Ontario, CA

Tutorials

T. Jordan
Y. Ogata
D. Vere-Jones
S. Wiemer

University of Southern CA, Los Angeles, USA
Institute of Statistical Mathematics, Tokyo, JP
Victoria University of Wellington, NZ
ETH, Zürich, CH

Workshop Format: The workshop will consist mainly of invited presentations by selected specialists introducing thematic sessions, followed by few oral contributions and free discussions. At least a half-day of general discussion and thematic round-tables is envisaged. Two half days will feature workshop-style meetings of the International CSEP community and the NERIES-JRA2 and SAFER WP5 communities. These meetings are open to all participants. Specific time will be allocated to poster sessions. A half-day will be left free or devoted to a guided excursion. We expect to have about 14 solicited lectures (including tutorials) and nearly 14 invited talks for a total of 80/90 attendees, including young scientists.

Thematic Sessions:

1. THE NATURE OF EARTHQUAKE OCCURRENCE PROCESS AND PHYSICAL CONSTRAINTS ON ITS PREDICTABILITY
2. SETTING UP EARTHQUAKE FORECASTING MODELS
 - 2.1 Statistical earthquake forecasting models
 - 2.2 The use of synthetic simulators
 - 2.3 The role of faults interaction and nucleation into forecasting models
3. VALIDATION OF EARTHQUAKE FORECASTING MODELS
 - 3.1 Validation of space-time modelling
 - 3.2 Validation of the Gutenberg-Richter model
 - 3.3 Data, computing power, and software: future needs of the community
4. LIVING IN AN UNCERTAIN WORLD: INTERFACING STATISTICAL SEISMOLOGY WITH OTHER SCIENCES AND SOCIETY

Overview Schedule

Thursday, May 31	Arrival, registration and room check-in
Friday, June 1	Scientific sessions Icebreaker party (8.00 pm)
Saturday, June 2	Scientific sessions
Sunday, June 3	Scientific sessions (in the morning) Field excursion to the archaeological site of Segesta (or the white sandy beach of S. Vito lo Capo) (departure 1.30 – 2.00 pm)
Monday, June 4	Scientific sessions Social dinner (8.30 pm)
Tuesday, June 5	Scientific sessions
Wednesday, June 6	Departure from Erice

*****Applications guidelines*****

The workshop is open to about 80/90 participants. Senior scientists, young researchers and students who wish to attend the workshop may apply by sending the attached application form to the e-mail address: silvia.nardi@ingv.it by **February 28, 2007**. The attached application form can be as well printed and faxed to the following number: +39 06 51860565 (att. Rodolfo Console / Silvia Nardi). To facilitate the workshop

organization, we encourage applicants to fill out all the fields in the form. Any other communication and integration of the application form should be addressed by e-mail to silvia.nardi@ingv.it.

We invite graduate students to ask their advisor to send a short letter of support indicating how they will benefit from the attendance at the workshop.

Applicants will be informed by March 31, 2007 by the Programming Committee whether they have been selected to participate in the workshop.

Application selection

Given the great number of people who expressed interest in this workshop, we expect that a selection of applications will be necessary. Priority will be given to applicants with scientific interests close to the meeting topics, young students and researchers, and applicants from low income countries. Other priority factors might be the attendance of the whole duration of the workshop and an early date of registration.

*****Workshop fee and financial support*****

The cost for the workshop is 600 EUR per person, including full board and lodging for six days, meeting costs (e.g. registration, abstract book, icebreaker, coffee breaks, social dinner, field excursion), and pick-up from/to Palermo airport (or Palermo / Trapani train station, if necessary).

Requests for financial support must be specified in the application form and well documented.

Accompanying persons

Please note that few places will be available for accompanying persons. The cost for accompanying persons is 300 EUR, which includes all food and lodging in double rooms for 6 days and nights, icebreaker, conference dinner, transportation to/from Palermo airport (or Palermo/Trapani train station only if strictly necessary), and the field excursion. Please send your request by e-mail to silvia.nardi@ingv.it.

*****Accommodation*****

Over the past 43 years, the Centre hosted over eighty-seven thousand scientists from one hundred and forty nations, embracing 118 Schools which cover all branches of Science.

Accommodation for scientists and a few accompanying persons will be arranged by the Ettore Majorana Centre in one of the three magnificent restored monasteries located in the old pre-mediaeval city of Erice (S. Rocco, S. Francesco and S. Domenico).

Please note that the Centre cannot accommodate participants before May 31 and after June 6, 2007. Therefore, if you intend to extend your stay in Sicily you will have to arrange your housing independently.

*****Important dates*****

Deadline for application: **February 28, 2007**

Letter of acceptance from the scientific committee: **March 31, 2007**

On behalf of the Programming Committee

Silvia Nardi
(Workshop Organizing Secretary)