

28th Course of the International School of Geophysics
5th INTERNATIONAL WORKSHOP ON STATISTICAL SEISMOLOGY:
PHYSICAL AND STOCHASTIC MODELLING OF EARTHQUAKE OCCURRENCE AND FORECASTING
 EMFCSC, Erice – Sicily (Italy), 31 May - 6 June, 2007

POSTER SESSION 1 - NEW STATISTICAL METHODS AND TECHNIQUES (Friday, 1 June 2007 – 5.00-7.00 PM)

Name	Posters' titles
ADELFO , Dr. Giada	RESIDUAL ANALYSIS FOR SPACE-TIME EARTHQUAKES OCCURRENCE MODELS
AKINCI , Dr. Aybige	A MONTE CARLO APPROACH IN ESTIMATING ENDOGENOUS UNCERTAINTIES FOR A SEISMIC HAZARD ASSESSMENT OF THE CENTRAL APENNINES, ITALY
CHIODI , Prof. Marcello	MAXIMUM LIKELIHOOD BASED DECLUSTERING OF SIMULATED AND OBSERVED SEISMIC CATALOGS
FITZENZ , Dr. Delphine D.	PROBABILISTIC MODELLING OF EARTHQUAKE OCCURRENCE: FIRST EXAMPLES OF DATA INTEGRATION WITHIN A BAYESIAN FRAMEWORK
HAUKSSON , Dr. Egill	APPLYING BAYESIAN INFERENCE TO CORRELATING HYPOCENTERS AND SOUTHERN CALIFORNIA COMMUNITY FAULT MODEL (CFM): QUANTIFYING SPATIO-TEMPORAL EVOLUTION OF BACKGROUND SEISMICITY
HOLSCHNEIDER , Prof. Matthias	ESTIMATION OF FAULT PLANE GEOMETRY USING A BAYESIAN APPROACH
HUANG , Jianping	ANALYSIS OF THE DATA OF TANGSHAN DEFORMATION STATION WITH THE STATISTICAL MODEL
NANJO , Dr. Kazuyoshi Z.	COMPLETENESS MAGNITUDE FOR SWITZERLAND AND JAPAN
ORFANOIANNAKI , Dr. Katerina	APPLICATION OF POISSON HIDDEN MARKOV MODELS ON FORESHOCK SEQUENCES
OZER , Prof. Naside	FRACTAL APPROACH TO THE SEISMICITY OF MARMARA SEA AND ENVIRONS, TURKEY
SCHORLEMMER , Prof./Dr. Danijel	PROBABILISTIC MAGNITUDE OF COMPLETENESS
SPADA , Dr. Matteo	A NEW SEISMIC ZONATION MODEL FOR SWITZERLAND BASED ON SYNTHETIC SEISMICITY DISTRIBUTIONS WITH SPATIALLY FRACTAL PROPERTIES
TORMANN , Dr. Thessa	TESTING SHORT TERM PROBABILISTIC SEISMIC HAZARD FORECASTS IN TERMS OF GROUND MOTIONS
VALLIANATOS , Prof./Dr. Filippos	ASPECTS OF SEISMIC RISK ASSESSMENT IN THE FRAME OF A NON-EXTENSIVE APPROACH
VAN STIPHOUT , Dr. Thomas	HOW FAR CAN WE TRUST DECLUSTERING ALGORITHMS ?
VARINI , Dr. Elisa	NONSTATIONARY MARKOV PROCESSES IN PHASE TRANSITION MODELLING

ZECHAR , Jeremy D.	COMPARISON OF TWO EARTHQUAKE PREDICTABILITY EVALUATION APPROACHES: MOLCHAN ERROR TRAJECTORY AND LIKELIHOOD
ZÚÑIGA , Prof./Dr. Ramon	PROBLEMS WITH MAGNITUDE SCALE CONVERSIONS BASED ON LINEAR REGRESSIONS

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POSTER SESSION 2 - MODELS FOR EARTHQUAKE OCCURRENCE AND FORECASTING (Monday, 4 June 2007 – 5.00-7.00 PM)

Name	Posters' titles
CEYLAN , Savas	SELF-SIMILAR PROPERTIES OF INTEREVENT TIMES AND DISTANCES OF EARTHQUAKES AROUND MARMARA SEA, TURKEY
CORRAL , Dr. Alvaro	UNIVERSAL EARTHQUAKE-OCCURRENCE JUMPS, CORRELATIONS WITH TIME, AND ANOMALOUS DIFFUSION
FAENZA , Dr. Licia	STATISTICAL ANALYSIS OF THE TIME-DEPENDENT EARTHQUAKE OCCURRENCE AND ITS IMPACT ON HAZARD IN LOW SEISMICITY REGIONS
GENTILI , Dr. Stefania	PI, RI, AND RTL: THREE EARTHQUAKES FORECASTING METHODS APPLIED TO MODERATE EARTHQUAKES IN THE NORTHEASTERN ITALY AND WESTERN SLOVENIA AREAS
GODANO , Prof. Cataldo	DYNAMICAL SCALING IN BRANCHING MODELS FOR SEISMICITY
ISHIBE , Takeo	THE CHARACTERISTIC EARTHQUAKE MODEL VS. THE GUTENBERG-RICHTER RELATIONSHIP
LENGLINÉ , Dr. Olivier	ANALYSIS OF EARTHQUAKE CORRELATIONS AT PARKFIELD, CALIFORNIA
LLENOS , Andrea L.	DETECTING ASEISMIC STRESSING-RATE CHANGES USING A COMBINED ETAS/RATE-STATE MODEL
LOLLI , Dr. Barbara	A COMPARISON OF THE OMORI, STRETCHED EXPONENTIAL AND BAND LIMITED POWER LAW AFTERSHOCK DECAY MODELS BY MAXIMUM LIKELIHOOD ESTIMATION OF SIMULATED SEQUENCES
MATSU'URA , Dr. Ritsuko S.	REGIONAL DIFFERENCES OF ETAS PARAMETERS IN JAPAN
MIGNAN , Dr. Arnaud	ACCELERATING SEISMICITY BEFORE LARGE EARTHQUAKES AND THE STRESS ACCUMULATION MODEL
MURRU , Dr. Maura	REAL-TIME EARTHQUAKE FORECAST USING THE ETAS MODEL
ROTONDI , Dr. Renata	TIME-DEPENDENT HAZARD THROUGH NONPARAMETRIC BAYESIAN ESTIMATION OF THE INTEREVENT TIME PROBABILITY DENSITY
SAVAGE , Prof. Martha K.	TIME, DISTANCE AND MAGNITUDE DEPENDENCE OF FORESHOCKS IN NEW ZEALAND: REAL DATA AND COMPARISON TO ETAS MODELS
SHELLE , Dr. Holger	NUMERICAL MODELLING OF FAILURE AT STRIKE-SLIP FAULTS: INTEREVENT TIMES OF LARGE FAILURE EVENTS
ZÖLLER , Dr. Gert	RECURRENCE TIME DISTRIBUTIONS OF LARGE EARTHQUAKES ON INDIVIDUAL FAULTS AND COUPLED FAULT SYSTEMS

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POSTER SESSION 3 - TRIGGERING, STRESS CHANGES, AND B-VALUE (Tuesday, 5 June 2007 – 11.00-13.00 AM)

Name	Posters' titles
CHRISTOPHERSEN , Dr. Annemarie	DYNAMIC TRIGGERING OF AFTERSHOCKS: INVESTIGATIONS IN DIFFERENT CATALOGUES
CURRENTI , Dr. Gilda Maria	COULOMB STRESS CHANGES AT ETNA VOLCANO CALCULATED FROM THREE-DIMENSIONAL FINITE ELEMENT MODEL
DANIEL , Dr. Guillaume	WORLDWIDE EARTHQUAKE DOUBLETS: HOW DO MAINSHOCKS INFLUENCE EACH OTHER ?
DEMIRCIOGLU , Dr. Mine B.	PROPERTIES OF THE AFTERSHOCK SEQUENCE OF THE 1999 Mw 7.4 KOCAELI EARTHQUAKE: IMPLICATION FOR AFTERSHOCK HAZARD
ENESCU , Dr. Bogdan	QUANTIFYING EARLY AFTERSHOCK ACTIVITY OF THE 2004 MID NIIGATA PREFECTURE EARTHQUAKE (Mw 6.6)
HETHERINGTON , Alison	INVESTIGATING EARTHQUAKE PATTERNS AND THE EFFECTS OF FAULT INTERACTION USING A CELLULAR AUTOMATA BASED MODEL
LOLLI , Dr. Barbara	A COMPARISON OF GUTENBERG-RICHTER <i>B</i> -VALUE WITH TECTONIC DEFORMATION STYLE IN THE MEDITERRANEAN AREA
MICHAEL , Dr. Andrew J.	RIGOROUS OBSERVATIONAL TESTS OF THE ACCELERATING MOMENT RELEASE HYPOTHESIS
PAPADOPOULOS , Prof./Dr. Gerassimos A.	POSSIBILITIES OF SHORT-TERM EARTHQUAKE PREDICTION FROM FORESHOCKS
ROTH , Prof. Frank	SEISMICITY CHANGES IN THE SISZ, ICELAND: PLATE TECTONICS OR INTER-EVENT TRIGGERING ? (presented by Dr. Rongjiang WANG)
SHAW , Dr. Bruce E.	PHYSICAL BASES OF SCALING LAWS OF EARTHQUAKE PHYSICS RELEVANT TO SEISMIC HAZARD
SLUNGA , Dr. Ragnar S.	USE OF THE STRESS TENSOR FIELD FOR IMPROVING SHORT TERM EARTHQUAKE WARNINGS, EXAMPLES FROM ICELAND
SOBESIAK , Dr. Monica M.	B-VALUE MAPPING OF FAULT STRUCTURES: COMPARISON OF TWO DIFFERENT TECTONIC ENVIRONMENTS
TODA , Dr. Shinji	COULOMB 3.0, AN INTERACTIVE TOOL FOR STUDYING EARTHQUAKE INTERACTIONS
TRAVERSA , Dr. Paola	HOW DOES VOLCANO SEISMICITY DEPEND ON MAGMA TRANSFERS ?