

EARTHQUAKE  
ARCHAEOLOGYINQUA PALEOSEISMOLOGY  
AND ACTIVE TECTONICS

## INQUA-IGCP567 WORKSHOP PROGRAM Corinth 2011:

### SUN, 18<sup>th</sup> September: Accommodation and Registration

17:00 - 19:00 Registration office time

21:00 - Dinner

### MON, 19<sup>th</sup> September: 9:00 - 10:20 Welcome, Accommodation and Registration

07:30 - 08:45 Breakfast

09:00 - 10:00 Registration

10:00 - 10:20 Opening ceremony:

Organisation of the workshop: I. Papanikolaou, K. Reicherter, (orgs.)

INQUA subcommission on Paleoseismology: P. Silva (president)

INQUA TERPRO: A. Michetti (president)

IGCP 567: M. Sintubin (chairman)

### MON, 19<sup>th</sup> September: 10:20 - 20:00 Key-Note talks, Poster session, Talks

10:20 - 11:45 Introductory keynote lectures

19th September Monday Morning (1)	Session 19.1. Paleoseismology	Chairmans: McCalpin & Reicherter
10:20 – 10:50 DAY 19.1. KEY NOTE	<i>Dimitrios Papanikolaou, Leigh Royden, Emmanuel Vassilakis</i>	INTRODUCTION TO THE HELLENIC ARC - NEOTECTONIC AND ACTIVE DIVERGING RATES OF EXTENSION IN THE NORTHERN AND SOUTHERN HELLENIDES ACROSS THE CENTRAL HELLENIC SHEAR ZONE
10:50 – 11:20 DAY 19.2. KEY NOTE	<i>Jim McCalpin,</i>	MAPPING AND MEASURING HOLOCENE FAULT SCARPS IN DENSE FORESTS WITH LIDAR
11:20 – 11:45 DAY 19.3. KEY NOTE	<i>Eldon Gath and Tania Gonzalez</i>	THREE-DIMENSIONAL INVESTIGATION OF THE AD 1621 PEDRO MIGUEL FAULT RUPTURE FOR DESIGN OF THE PANAMA CANAL'S BORINQUEN DAM

11:45 - 12:00 Coffee break (including free Poster session)

12:00 - 13:30 Poster Session (1) - guided

13:30 - 15:00 Lunch break

15:00 - 17:00 Session 19.1 Paleoseismology and Active Tectonics 1 (scientific talks)

19th September Monday Afternoon (1)	Session 19.1. Paleoseismology	Chairmans: McCalpin & Reicherter
15:00 – 15:15 DAY 19.1.1.ORAL. PAL	<i>Stéphane Baize, Laurence Audin, Thierry Winter, Alexandra Alvarado, Luis Pilatasig, Mercedes Taipe, Paul Kauffmann, Pedro Reyes</i>	FIRST PALEOSEISMIC EVIDENCES IN ECUADOR: THE PALLATANGA FAULT RECORD
15:15 – 15:30 DAY 19.1.2.ORAL. PAL	<i>Shmuel Marco and Ian Alsop</i>	SEISMOGENIC SLUMPS IN PALAEO-DEAD SEA SEDIMENTS
15:30 – 15:45 DAY 19.1.3.ORAL. PAL	<i>Vasiliki Mouslopoulou, Andrew Nicol, John J. Walsh, John G. Begg, Dougal B. Townsend, Dionissios T. Hristopoulos</i>	SAMPLING BIASES IN THE PALEOSEISMOLOGICAL DATA
15:45 – 16:00 DAY 19.1.4.ORAL. PAL	<i>Daniela Pantosti, Stefano Pucci, Paolo Marco De Martini, Alessandra Smedile</i>	IS THE DECADENCE OF LEPTIS MAGNA (LYBIA) THE CONSEQUENCE OF A DESTRUCTIVE EARTHQUAKE?

EARTHQUAKE  
ARCHAEOLOGYINQUA PALEOSEISMOLOGY  
AND ACTIVE TECTONICS

16:00 – 16:15 DAY 19.1.5.ORAL. PAL	<a href="#">Ioannis Papanikolaou</a> and <a href="#">Gerald Roberts</a>	CLUSTERING AND ANTICLUSTERING IN THE SOUTHERN APENNINES AS EVIDENCED FROM GEOLOGICAL FAULT SLIP-RATE SEISMIC HAZARD MAPS AND THE HISTORICAL RECORD
16:15 – 16:30 DAY 19.1.6.ORAL. PAL	<a href="#">Maxwell Wilkinson</a> , <a href="#">Ken McCaffre</a> , <a href="#">Gerald Roberts</a> , <a href="#">Patience Cowie</a> , <a href="#">Richard Phillips</a>	POSTSEISMIC DEFORMATION OF THE 2009 L'AQUILA EARTHQUAKE (M6.3) SURFACE RUPTURE MEASURED USING REPEAT TERRESTRIAL LASER SCANNING
16:30 – 16:45 DAY 19.1.7.ORAL. PAL	<a href="#">Thomas Rockwell</a> and <a href="#">Yann Klinger</a>	THE VARIABILITY OF ALONG-STRIKE CO-SEISMIC SLIP: A NEW EXAMPLE FROM THE IMPERIAL FAULT OF SOUTHERN CALIFORNIA
16:45 – 17:00 DAY 19.1.8.ORAL. PAL	<a href="#">Neta Wechsler</a> , <a href="#">Thomas Rockwell</a> , <a href="#">Yann Klinger</a> , <a href="#">Amotz Agnon</a> , <a href="#">Shmulik Marco</a>	TESTING EARTHQUAKE RECURRENCE MODELS WITH 3D TRENCHING ALONG THE DEAD-SEA TRANSFORM

17:00 - 17:30 Coffee break (including free Poster session)

17:30 - 20:00 Session 19.2 Earthquake Engineering and Archaeoseismology

<b>19th September Monday Afternoon (2)</b>	<b>Session 19.2. Earthquake Engineering and Archaeoseismology</b>	Chairmans: <a href="#">Meskouris</a> & <a href="#">Fernández-Steeger</a>
17:30 – 18:00 DAY 19.3. KEY NOTE	<a href="#">Konstantin Meskouris</a> , <a href="#">Britta Holtschoppen</a> , <a href="#">Christoph Butenweg</a> , <a href="#">Julia Rosin</a>	SEISMIC ANALYSIS OF LIQUID STORAGE TANKS
18:00 – 18:15 DAY 19.2.1.ORAL. EQE	<a href="#">Klaus Hinzen</a> , <a href="#">Helen Kehmeier</a> , <a href="#">Stephan Schreiber</a> , <a href="#">Sharon Reamer</a>	A CASE STUDY OF EARTHQUAKES AND ROCKFALL INDUCED DAMAGE TO A ROMAN MAUSOLEUM IN PINARA, SW TURKEY
18:15 – 18:30 DAY 19.2.2.ORAL. EQE	<a href="#">Loizos Papaloizou</a> and <a href="#">Petros Komodromos</a>	THE DYNAMIC ANALYSIS OF MULTI-DRUM ANCIENT STRUCTURES UNDER EARTHQUAKE EXCITATIONS
18:30 – 18:45 DAY 19.2.3.ORAL. EQE	<a href="#">Kázmér M.</a> , <a href="#">Kamol Sanittham</a> , <a href="#">Punya Charusiri</a> , <a href="#">Santi Pailoplee</a>	ARCHAEOSEISMOLOGY OF THE AD 1545 EARTHQUAKE IN CHIANG MAI, NORTHERN THAILAND
18:45 – 19:00 DAY 19.2.4.ORAL. EQE	<a href="#">Manuel Sintubin</a> , <a href="#">Simon Jusseret</a> , <a href="#">Jan Driessen</a>	REASSESSING ANCIENT EARTHQUAKES ON MINOAN CRETE GETTING RID OF CATASTROPHISM
19:00 – 19:15 DAY 19.2.5.ORAL. EQE	<a href="#">Sotiris Valkaniotis</a> , <a href="#">George Papanathanassiou</a> , <a href="#">Spyros Pavlides</a>	ACTIVE FAULTING AND EARTHQUAKE-INDUCED SLOPE FAILURES IN ARCHEOLOGICAL SITES: CASE STUDY OF DELPHI, GREECE
19:15 – 19:30 DAY 19.2.5.ORAL. EQE	<a href="#">Raul Pérez-López</a> , <a href="#">J.L. Giner-Robles</a> , <a href="#">M.A. Rodríguez-Pascua</a> , <a href="#">F. Martín-González</a> , <a href="#">J. García Mayordomo</a> , <a href="#">J.A. Álvarez-Gómez</a> , <a href="#">M.J. Rodríguez-Peces</a> , <a href="#">J.M. Insua-Arévalo</a> , <a href="#">J. J. Martínez-Díaz</a> and <a href="#">P.G. Silva</a>	TESTING ARCHAEOSEISMOLOGICAL TECHNIQUES WITH INSTRUMENTAL SEISMIC DATA CAUSED BY THE Mw 5.1 LORCA EARTHQUAKE (11-5-2011, SE OF SPAIN)
19:30 – 19:45 DAY 19.2.6.ORAL. EQE	<a href="#">Cees Passchier</a> , <a href="#">Gilbert Wiplinger</a> , <a href="#">Gül Sürmeli Hindi</a> , <a href="#">Paul Kessener</a> , <a href="#">Talip Güngör</a>	ROMAN AQUEDUCTS AS INDICATORS OF HISTORICALLY ACTIVE FAULTS IN THE MEDITERRANEAN BASIN
19:45 – 20:00 DAY 19.2.7.ORAL. EQE	<a href="#">Tina Niemi</a>	EARTHQUAKES IN AQABA, JORDAN OVER THE PAST 2,000 YEARS: EVIDENCE FROM HISTORICAL, GEOLOGICAL, AND ARCHAEOLOGICAL DATA

21:00 - Dinner

**TUE, 20<sup>th</sup> September:**

07:30 - 08:45 Breakfast

**TUE, 20<sup>th</sup> September: 9:00 - 18:30 Invited talks, Poster session, talks**

09:00 - 11:15 Session 20.1 Earthquakes, Seismology and Active Faults

<b>20th September Tuesday Morning</b>	<b>Session 8.1. Earthquakes, Seismology and Active Faults</b>	Chairman: <a href="#">Michetti</a> & <a href="#">Silva</a>
09:00 – 09:30 DAY 20.1. KEY NOTE	<a href="#">Christopher Scholz</a>	EARTHQUAKE TRIGGERING, CLUSTERING, AND THE SYNCHRONIZATION OF FAULTS
09:30 – 09:45 DAY 20.1.1.ORAL. EQS	<a href="#">Salvatore Barba</a> and <a href="#">Debora Finocchio</a>	SOME NOTES ON EARTHQUAKE AND FAULT RELATIONSHIPS FOR DIP-SLIP EVENTS
09:45 – 10:15 DAY 20.2. KEY NOTE	<a href="#">Clark Burchfiel</a> , <a href="#">Leigh Royden</a>	TECTONIC INTERPRETATION OF THE 2008 WENCHUAN EARTHQUAKE: WHY IT ONLY PROPAGATED IN ONE DIRECTION - THE FUTURE?

EARTHQUAKE  
ARCHAEOLOGYINQUA PALEOSEISMOLOGY  
AND ACTIVE TECTONICS

10:15 – 10:30 DAY 20.1.2.ORAL. EQS	<a href="#">Ivan Georgiev</a> , <a href="#">Dimitar Dimitrov</a> , <a href="#">Pierre Briole</a> , <a href="#">Emil Botev</a>	VELOCITY FIELD IN BULGARIA AND NORTHERN GREECE FROM GPS CAMPAIGNS SPANNING 1993-2008
10:30 – 11:00 DAY 20.2. KEY NOTE	<a href="#">Gerald Roberts</a> , <a href="#">Joanna Faure Walker</a> , <a href="#">Patience Cowie</a> , <a href="#">Richard Phillips</a> , <a href="#">Ken McCaffrey</a> , <a href="#">Ioannis Papanikolaou</a> , <a href="#">Max Wilkinson</a> , <a href="#">Alessandro Michetti</a> , <a href="#">Peter Sammonds</a>	REGIONAL STRAIN-RATES ON ACTIVE NORMAL FAULTS AND VARIABILITY IN THE SEISMIC CYCLE: AN EXAMPLE FROM THE ITALIAN APENNINES
11:00 – 11:15 DAY 20.1.4.ORAL. PAL	<a href="#">Alessandro Michetti</a> , <a href="#">Leonello Serva</a> , <a href="#">Andrea Berlusconi</a> , <a href="#">Livio Bonadeo</a> , <a href="#">Fabio Brunamonte</a> , <a href="#">Francesca Ferrario</a> , <a href="#">Gianfranco Fioraso</a> , <a href="#">Franz Livio</a> , <a href="#">Giancarlo Sileo</a> , <a href="#">Eutizio Vittori</a>	GEOLOGICAL CRITERIA FOR EVALUATING SEISMICITY: LESSONS LEARNED FROM THE PO PLAIN, NORTHERN ITALY
11:15 – 11:30 DAY 20.1.6.ORAL. PAL	<a href="#">Vasiliki Zygouri</a> , <a href="#">Sotiris Kokkalas</a> , <a href="#">Paris Xypolias</a> , <a href="#">Ioannis Koukouvelas</a> , <a href="#">Gerassimos Papadopoulos</a>	THE MOVRI MOUNTAIN EARTHQUAKE: UNDERSTANDING ACTIVE DEFORMATION OF THE NW PELOPONNESE
11:30 – 11:45 DAY 20.1.5.ORAL. PAL	<a href="#">Rita Carmo</a> , <a href="#">José Madeira</a> , <a href="#">Ana Hipólito</a> , <a href="#">Teresa Ferreira</a>	PALEOSEISMOLOGICAL EVIDENCE FOR HISTORICAL SURFACE RUPTURE EVENTS IN S. MIGUEL ISLAND (AZORES)

11:45 - 12:00 Coffee break

12:00 - 13:30 Session 20.2 Active marine and coastal tectonics

20th September Tuesday Morning	<b>Session 20.2. Active marine and coastal tectonics</b>	Chairman: Sakellariou & Boulton
12:00 – 12:30 DAY 20.4. KEY NOTE	<a href="#">Beverly Goodman-Tchernov</a>	INTERPRETING OFFSHORE SUBMERGED TSUNAMI DEPOSITS: AN INCOMPLETELY COMPLETE RECORD
12:30 – 12:45 DAY 20.2.1.ORAL. MAR	<a href="#">Sarah Boulton</a> and <a href="#">Iain Stewart</a>	HOLOCENE COASTAL NOTCHES IN THE MEDITERRANEAN: PALAEOSEISMIC OR PALAEOCLIMATIC INDICATORS?
12:45 – 13:00 DAY 20.2.2.ORAL. MAR	<a href="#">Matteo Vacchi</a> , <a href="#">Alessio Rovere</a> , <a href="#">Nickolas Zouros</a> and <a href="#">Marco Firpo</a>	MAPPING PALEO SHORELINES IN LESVOS ISLAND: NEW CONTRIBUTION TO THE LATE QUATERNARY RELATIVE SEA LEVEL CHANGES AND TO THE NEOTECTONICS OF THE AREA
13:00 – 13:15 DAY 20.2.3.ORAL. MAR	<a href="#">Dimitris Sakellariou</a> , <a href="#">Vasilis Lykousis</a> , <a href="#">Grigoris Rousakis</a>	HOLOCENE SEAFLOOR FAULTING IN THE GULF OF CORINTH: THE POTENTIAL FOR UNDERWATER PALEOSEISMOLOGY
13:15 – 13:30 DAY 20.2.4.ORAL. MAR	<a href="#">Dirk Hoffmeister</a> , <a href="#">Konstantin Ntageretzis</a> , <a href="#">Nora Tilly</a> , <a href="#">Constanze Curdt</a> , <a href="#">Georg Bareth</a> , <a href="#">Helmut Brückner</a> , <a href="#">Andreas Vött</a>	MONITORING COASTAL CHANGES ON THE IONIAN ISLANDS (NW-GREECE) BY MULTI-TEMPORAL TERRESTRIAL LASER SCANNING

13:30 - 15:00 Lunch break

15:00 – 16:45 Session 20.3 Paleotsunamis, tsunami deposits

20th September Tuesday Afternoon	<b>Session 20.3. Paleotsunamis</b>	Chairman: Smedile & Vött
15:00 – 15:30 DAY 20.3. KEY NOTE	<a href="#">Yoshihiro Kinugasa</a>	OUTLINE OF THE 2011 MW=9.0 TOHOKU EARTHQUAKE IN JAPAN
15:30 – 15:45 DAY 20.3.1.ORAL. TSU	<a href="#">Alessandra Smedile</a> , <a href="#">Paolo Marco De Martini</a> , <a href="#">Daniela Pantosti</a>	PALEOTSUNAMIS EVIDENCE FROM A COMBINED INLAND AND OFFSHORE STUDY IN THE AUGUSTA BAY AREA (EASTERN SICILY, ITALY)
15:45 – 16:00 DAY 20.3.2.ORAL. TSU	<a href="#">Andreas Vött</a> , <a href="#">Peter Fischer</a> , <a href="#">Hanna Hadler</a> , <a href="#">Mathias Handl</a> , <a href="#">Franziska Lang</a> , <a href="#">Konstantin Ntageretzis</a> , <a href="#">Timo Willershäuser</a>	SEDIMENTARY BURIAL OF ANCIENT OLYMPIA (PELOPONNESE, GREECE) BY HIGH-ENERGY FLOOD DEPOSITS - THE OLYMPIA TSUNAMI HYPOTHESIS
16:00 – 16:15 DAY 20.3.3.ORAL. TSU	<a href="#">Timo Willershäuser</a> , <a href="#">Andreas Vött</a> , <a href="#">Georg Bareth</a> , <a href="#">Helmut Brückner</a> , <a href="#">Hanna Hadler</a> , <a href="#">Konstantin Ntageretzis</a>	SEDIMENTARY EVIDENCE OF HOLOCENE TSUNAMI IMPACTS AT THE GIALOVA LAGOON (SOUTHWESTERN PELOPONNESE, GREECE)
16:15 – 16:30 DAY 20.3.4.ORAL. TSU	<a href="#">Kruawun Jankaew</a> , <a href="#">Dominik Brill</a> , <a href="#">Maria E. Martin</a> , <a href="#">Yuki Sawai</a>	DISTRIBUTION AND SEDIMENTARY CHARACTERISTICS OF TSUNAMI DEPOSITS ON PHRA THONG ISLAND, THAILAND
16:30 – 16:45 DAY 20.3.5.ORAL. TSU	<a href="#">Gösta Hoffmann</a> , <a href="#">Klaus Reicherter</a> , <a href="#">Thomas Wiatr</a> , <a href="#">Christoph Grützner</a>	EVIDENCE FOR HOLOCENE TSUNAMI-IMPACT ALONG THE SHORELINE OF OMAN

16:45 - 17:00 Coffee break (including free poster session)

17:00 – 18:30: Poster Session Guided (2)

EARTHQUAKE  
ARCHAEOLOGYINQUA PALEOSEISMOLOGY  
AND ACTIVE TECTONICS**TUE, 20<sup>th</sup> September: 18:30 - 20:30 Excursion**

18:30 - 20:30 Field trip: Cruise through the Corinth Channel (approx. 2 h in sunset)

21:00 – Dinner

22:00 – 23:00 (Introduction to Greek Dancing)

**WED, 21<sup>st</sup> September: Excursion**

7:30 - 8:45 Breakfast

9:00 - Departure field trip

09:00 - 19:00 Field trip: Perachora Peninsula (G. Roberts, I. Papanikolaou, D. Pantosti)

21:00 - Dinner

22:00 – 23:00 (Introduction to Greek Cooking)

**THU, 22<sup>nd</sup> September: Excursion and workshop lectures**

07:30 - 08:45 Breakfast

9:00 Departure field trip

09:00 - 13:00: Field trip: Tsunamis and faults of the Corinth-Isthmus area (A.Vött, H. Hadler, I. Papanikolaou)

13:30 - 15:00 Lunch break

**THU, 22<sup>nd</sup> September: WORKSHOP ON PALEOSEISMOLOGY AND ARCHAEOSEISMOLOGY I**

23th September Thursday Afternoon	Workshop I	
15:00 – 15:30	<i>INQUA – IGCP Business Meeting</i>	
15:30 – 16:15 DAY 22.1. lecture 1	<a href="#">Hans-Balder Havenith</a> , <a href="#">Thomas Fernández-Steeger</a> , <a href="#">Hans-Balder Havenith</a> .	(TOMAS) LANDSLIDES AND: (HANS) WHERE LANDSLIDES REPRESENT THE MOST IMPORTANT EARTHQUAKE-RELATED HAZARDS: THE MOUNTAIN AREAS OF CENTRAL ASIA
16:15 – 17:00 DAY 22.1. lecture 2	<a href="#">Michael Foumelis</a> <a href="#">Michael Foumelis</a> , <a href="#">Ioannis Fountoulis</a> , <a href="#">Ioannis Papanikolaou</a> , <a href="#">Dimitrios Papanikolaou</a>	SYNTHETIC APERTURE RADAR IMAGING FOR DEFORMATION MONITORING AND GEODETTIC EVIDENCE OF THE CONTROL OF A MAJOR INACTIVE TECTONIC BOUNDARY ON THE CONTEMPORARY DEFORMATION FIELD OF ATHENS

17:00 - 17:30 Coffee break

17:30 – 18:00 DAY 22.1. lecture 3	<a href="#">Emmanuel Vassilakis</a>	QUANTIFICATION TECHNIQUES FOR TECTONIC GEOMORPHOLOGY THROUGH GIS AND REMOTE SENSING
18:00 – 18:30 22.1. lecture 4	<a href="#">Alexandros Chatzipetros</a> and <a href="#">Spyros Pavlides</a>	PALEOSEISMOLOGY IN GREECE AND THE GreDaSS
18:30 – 19:00 DAY 22.1. lecture 5	<a href="#">Georgios Papathanassiou</a>	EVALUATING THE LIQUEFACTION POTENTIAL OF GEOLOGICAL UNITS IN EARTHQUAKE PRONE COUNTRIES

19:00 - 20:30 Question of the day – Discussion (Panel of Key-note speakers)

EARTHQUAKE  
ARCHAEOLOGYINQUA PALEOSEISMOLOGY  
AND ACTIVE TECTONICS

21:00 - 22:00 Dinner  
22:00 - Pool Party (with DJ)

### **FRI, 23<sup>rd</sup> September: FIELD COURSE ON PALEOSEISMOLOGY AND ARCHAEOSEISMOLOGY II**

07:30 - 08:45 Breakfast

23th September Friday Morning	Workshop II	
09:00 – 09:45 DAY 23.1. lecture 1	<a href="#">Pablo Silva</a> and <a href="#">Miguel.Rodriguez-Pascua</a> ,	GEOMORPHOLOGY AND GEOARCHAEOLOGY OF LANDSCAPE AND URBAN AREAS IN ACTIVE SETTINGS: ANCIENT AND MODERN ANALOGUES
09:45 – 10:30 DAY 23.1. lecture 2	<a href="#">Thomas Wiatr</a> and <a href="#">Klaus Reicherter</a>	TERRESTRIAL LIDAR: INTRODUCTION, METHODOLOGY AND EXAMPLES
10:30 – 11:15 DAY 23.1. lecture 3	<a href="#">Christoph Grützner</a>	INTRODUCTION INTO SURFACE-NEAR GEOPHYSICAL METHODS: GPR, TOMOGRAPHY, ...

11:15 - 11:45 Coffee break

23th September Friday Morning	Workshop III	
11:45 – 12:30 DAY 23.2. lecture 1	<a href="#">Luca Guerrieri</a> ,  <a href="#">Luca Guerrieri</a> , <a href="#">Anna Maria Blumetti</a> , <a href="#">Elisa Brustia</a> , <a href="#">Eliana Esposito</a> , <a href="#">Mauro Lucarini</a> , <a href="#">Alessandro M. Michetti</a> , <a href="#">Sabina Porfido</a> , <a href="#">Leonello Serva</a> & <a href="#">Eutizio Vittori</a> , & the INQUA TERPRO Project #0811 Working Group	ENVIRONMENTAL SEISMIC INTENSITY (ESI 2007)  EARTHQUAKE ENVIRONMENTAL EFFECTS, INTENSITY AND SEISMIC HAZARD ASSESSMENT: THE EEE CATALOGUE (INQUA PROJECT #0418)
12:30 – 13:00 DAY 23.2. lecture 2	<a href="#">Jim McCalpin</a>	HOW PALEOSEISMIC DATA ARE USED IN PROBABILISTIC SEISMIC HAZARD ANALYSIS (PSHA)
13:00 – 13:45 DAY 23.2. lecture 3	<a href="#">Thomas Rockwell</a>	WHAT DO LONG PALEOSEISMIC RECORDS TELL US ABOUT EARTHQUAKE RECURRENCE AND FAULT INTERACTION?

13:45 - 15:00 Lunch break

### **FRI, 23<sup>rd</sup> September: FIELD COURSE ON PALEOSEISMOLOGY AND ARCHAEOSEISMOLOGY III**

15:00 - 17:30 Field course (Field training Georadar, Geoelectrics, Laser Scanning)  
17:30 - 20:30 Sport event (beach volleyball, table tennis, tennis and darts)  
21:00 - 22:00 Dinner  
22:00 - Poolparty (with Music by Geologists – Improvisation Klaus, Gerald, Tom, Ale)

### **SAT, 24<sup>th</sup> September: Voluntary FIELD TRIPS**

07:30 - 08:45 Breakfast  
09:00 departure field trip (Delphi, Mycenae and Epidauros, Olympia)  
18:00 end field trip  
21:00 Dinner

### **SUN, 25<sup>th</sup>: End, Departure**

07:30 - 08:45 Breakfast



EARTHQUAKE  
ARCHAEOLOGY

INQUA PALEOSEISMOLOGY  
AND ACTIVE TECTONICS



## POSTER SESSION 1 (Guided), MON 19<sup>th</sup> September

- 1) *Braun Anika, Tomas M. Fernandez-Steeger, Hans-Balder Havenith, Almaz Torgoev, Romy Schlögel.* Analysing the landslide susceptibility with statistical methods in Maily-Say, Kyrgyzstan.
- 2) *Čyžienė Jolanta.* Fault tectonics regarding the Neotectonic period and influence of tectonic structures on glacial process in areas of thick Quaternary cover.
- 3) *Figueiredo Paula, João Cabra, Thomas Rockwell.* Plio–Pleistocene tectonic activity in the Southwest of Portugal.
- 4) *Fountoulis Ioannis, Vassilakis Emmanuel, Mavroulis Spyridon, Alexopoulos John, Erkeki Athanasia.* Quantification of river valley major diversion impact at Kyllini coastal area (W. Peloponnesus, Greece) with remote sensing techniques.
- 5) *Garduño-Monroy, Víctor Hugo, Raúl Pérez-López, Miguel Ángel Rodríguez-Pascua, Julián García Mayordomo, Isabel Israde-Alcántara and Jim Bischoff.* Could large palaeoearthquakes break giant stalactites in Cacahuamilpa Cave? (Taxco, Central Mexico).
- 6) *Gielisch Hartwig.* Acrocorinth - Geological history and the influence of paleoseismic events to recent archaeological research.
- 7) *Guzman Oswaldo, Jean-Louis Mugnier, Rexhep Koçi, Riccardo Vassallo, Julien Carcaillet, Francois Jouanne, Eric Fouache.* Active tectonics of Albania inferred from fluvial terraces geometries.
- 8) *Hipólito, Ana, José Madeira, Rita Carmo, João Luís Gaspar.* Neotectonics of Graciosa Island (Azores) – uncertainty in seismic hazard assessment in a volcanic area with variable slip-rates.
- 9) *Lee Minjung and Young-Seog Kim.* Preliminary study on damaged stone monuments in Gyeongju, SE Korea.
- 10) *Guzman Oswaldo, Jean-Louis Mugnier, Rexhep Koçi, Riccardo Vassallo, Julien Carcaillet, Francois Jouanne, Eric Fouache.* Active tectonics of Albania inferred from fluvial terraces geometries.
- 11) *Kübler S., Friedrich A. M., Strecker M. R.* Coseismic surface rupturing in the epicentral area of Germany's strongest historical earthquake.
- 12) *Mishra Anurag, D.C. Srivastava, Jyoti Shah.* Ancient seismites as geodynamical indicator: approach to construct a reactivation event on the main boundary thrust in the Himalayan region.
- 13) *Papanikolaou Ioannis, Gerald Roberts, Georgios Deligiannakis, Athina Sakellariou, Emmanuel Vassilakis.* The Sparta Fault, Southern Greece: tectonic geomorphology, seismic hazard mapping and conditional probabilities.
- 14) *Rodríguez-Pascua M.A., P.G. Silva, Perucha Atienza, M.A., J.L. Giner-Robles, R. Pérez-López.* Earthquake archaeological effects generated by the Lisbon Earthquake (first of November 1755) in the Coria's Cathedral (Cáceres, Western Spain).





EARTHQUAKE  
ARCHAEOLOGY

INQUA PALEOSEISMOLOGY  
AND ACTIVE TECTONICS



- 15) *Rojas Wilfredo, Nury Simfors-Morales, Luis Sanz, Åke Sivertun.* Neotectonic of the longitudinal fault system in Southern Costa Rica.
- 16) *Rudersdorf Andreas, Jochen Hürtgen, Christoph Grützner, Klaus Reicherter.* Neotectonic activity of the Granada Basin – new evidence from the Padul-Nigüelas Fault Zone.
- 17) *Schreiber Stephan and Klaus-G. Hinzen.* Damage assessment in archaeoseismology: methods and application to the archaeological zone Cologne, Germany
- 18) *Silva, Pablo G., Alex Ribó, Moises Martín Betancor, Pedro Huerta, M. Ángeles Perucha, Cari Zazo, Jose L. Goy, Cristino J. Dabrio, Teresa Bardají.* Relief production, uplift and active tectonics in the Gibraltar Arc (South Spain) from the Late Tortonian to the Present.
- 19) *Štěpančíková Petra, Nývlt Daniel, Hók Jozef, Dohnal Jiří.* Paleoseismic study of the Sudetic marginal Fault at the locality Bílá Voda (Bohemian Massif).
- 20) *Tsang Rebecca, Thomas Rockwell, Aron Meltzner, Paula Figueiredo.* Toward development of a long rupture history of the Imperial Fault in Mesquite Basin, Imperial Valley, Southern California.
- 21) *Vollmert Andre, Klaus Reicherter, Pablo G. Silva, Tomas M. Fernandez-Steeger.* Landslide mapping to analyse Earthquake Environmental Effects (EEE) in Carmona, Spain – relation to the 1504 event?
- 22) *Wiatr Thomas, Klaus Reicherter, Ioannis Papanikolaou & Tomás Fernández-Steeger.* The discontinuity of a continuous fault: Delphi (Greece).

## POSTER SESSION 2 (Guided), TUE 20<sup>th</sup> September

- 23) *Campos Corina, Christian Beck, Christian Crouzet, Eduardo Carrillo.* Characterization of Late Pleistocene-Holocene earthquake-induced “homogenites” in the Sea of Marmara through magnetic fabric. Implication for co-seismic offsets detection and measurements.
- 24) *Fountoulis Ioannis, Mavroulis Spyridon.* Neotectonics and comparison of the Environmental Seismic Intensity scale (ESI 2007) and the traditional scales for earthquake intensities for the Kalamata (SW Greece) earthquake (Ms=6.2R, 13-09-1986).
- 25) *Hadler Hanna, Andreas Vött, Benjamin Koster, Margret Mathes-Schmidt, Torsten Mattern, Konstantin Ntageretzis, Klaus Reicherter, Dimitris Sakellariou, Timo Willershäuser.* Lechaion, the ancient harbour of Corinth (Peloponnese, Greece) destroyed by tsunamigenic impact.
- 26) *Han S.-R., M. Lee, J. Park, Y.-S., Kim.* Structural characteristics and evolution of the Yangsan-Ulsan Fault System, SE Korea.
- 27) *Jamšek Petra, Lucilla Benedetti, Miloš Bavec, Jure Atanackov, Marko Vrabc, Andrej Gosar.* Preliminary report on the Vodice Fault activity and its potential for seismic hazard in the Ljubljana Basin, Slovenia.



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AND ACTIVE TECTONICS



- 28)** *Koster Benjamin, Klaus Reicherter, Andreas Vött, Christoph Grützner.* The evidence of tsunamigenic deposits in the Gulf of Corinth (Greece) with geophysical methods for spatial distribution.
- 29)** *Lazauskiene Jurga and Andrius Pacesa.* Seismotectonic and seismic hazard maps of Lithuania (Baltic region) – recent implications of intracratonic seismicity.
- 30)** *Malik Javed, Michio Morino, Mahendra Gadhavi, Khalid Ansari, Chiranjeeb Banerjee, B. K. Rastogi, Fumio Kaneko, Falguni Bhattacharjee, Ashok. K. Singhvi.* Earthquake geology and related hazard in Kachchh, Gujarat, Western India.
- 31)** *Meilianda Ella, Ben Maathuis, Marjolein Dohmen-Janssen.* Changes on the geomorphic settings of sand-poor environment coast of Banda Aceh, Indonesia subject to tectonic and tsunami events.
- 32)** *Nomikou Paraskevi, Alexandri M., Lykousis V., Sakellariou D., Ballas D.* Swath bathymetry and morphological slope analysis of the Corinth Gulf.
- 33)** *Papageorgiou Elena and Paraskevi Nomikou.* On-shore prolongation of bathymetrically recognized fault zones based on geodetic GPS observations along Santorini Volcano.
- 34)** *Papanikolaou Ioannis, Maria Triantaphyllou, Aggelos Pallikarakis, Georgios Migiros.* Active faulting towards the Eastern tip of the Corinth Canal: Studied through surface observations, borehole data and paleoenvironmental interpretations.
- 35)** *Reicherter Klaus.* Frontiers of earthquake archaeology: the Olympia and Samicum cases (Peloponnese, Greece).
- 36)** *Ruano Patricia, Antonio J. Gil, Jesús Galindo-Zaldívar, Gracia Rodríguez-Caderot, María Clara de Lacy, Antonio M. Ruiz, María Jesús Borque, Juan A. Armenteros, Antonio Herrera, Antonio Jabaloy, Angel C. López-Garrido, Antonio Pedrera, Carlos Sanz de Galdeano.* Geodetic studies in the Zafarraya Fault (Betic Cordilleras).
- 37)** *Solakov D., L. Dimitrova, S. Nokolova, St. Stoyanov, S. Simeonova, L. Zimakov, L.Khaikin.* Bulgarian National Digital Seismological Network.
- 38)** *Vacchi Matteo, Alessio Rovere, Marco Firpo and Nickolas Zouros.* Boulder deposits in Southern Lesvos: an evidence of the 1949's Chios-Karaburum Tsunami?
- 39)** *Wartenberg Wolfram, Andreas Vött, Hanna Hadler, Timo Willershäuser, Holger Freund, Stefanie Schnaidt.* Storm surge layers within a changeeful Holocene environment or sedimentary traces of palaeo-tsunamigenic events? Pros and Cons of on-site findings, Jade Bay, Southern North Sea, Germany.
- 40)** *Wiatr Thomas, Ioannis Papanikolaou, Klaus Reicherter, Tomás Fernández-Steeger.* A terrestrial close range view of the normal fault zone near Archanes (Heraklion Basin, Crete).
- 41)** *Winandy Jonas, Christoph Grützner, Klaus Reicherter, Thomas Wiatr, Peter Fischer, Thomas Ibeling.* Is the Rurrand Fault (Lower Rhine Graben, Germany) responsible for the 1756 Düren Earthquake Series?
- 42)** *Yao Da-quan, Shuo Zhi, Tang Ji-ping, Wang Zhi, Shen Xiao-qi, Chen An-guo, Li Lin-li.* Find and primary search of an active fault at the Gaixia Site, Guzhen County, Anhui Province, P.R. China.