



# Programme

INTERNATIONAL ASSOCIATION OF GEOMORPHOLOGISTS

## REGIONAL CONFERENCE ON GEOMORPHOLOGY



### “Geomorphology of Climatically and Tectonically Sensitive Areas”

#### CO-ORGANIZERS



HELLENIC REPUBLIC  
National and Kapodistrian  
University of Athens



ARISTOTLE  
UNIVERSITY OF  
THESSALONIKI



UNIVERSITY OF  
PATRAS  
ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ



ΧΑΡΟΚΟΠΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ  
HAROKOPIO UNIVERSITY



## General

Athens is the capital of Greece with a continuous history of 2,500 yrs. You can easily reach the city using the Athens International Airport, a modern and safe airport which was constructed before the Olympic Games of 2004. The harbor of Piraeus is located a few kilometers away from the city center of Athens and is connected by ferries with the Greek islands where the conference field trips will take place.

## Aims and Topics of the RCG 2019

The IAG RCG2019 is to meet the new challenges for geoscientists and especially geomorphologists to better understand the response of the Earth systems, to approach with new techniques and methods, to make new assessments and predictions for the future, and to contribute to society's adaptation and preparedness. The conference aims to promote interaction and networking with young geoscientists, while its field trips will provide an enticing introduction to the many varied landforms of coastal geomorphology.

## Conference Agenda

**September 15<sup>th</sup> – 18<sup>th</sup>, 2019**, Pre-Conference Field Trip, Santorini Island

**September 19<sup>th</sup> – 21<sup>st</sup>, 2019**, IAG's Regional Conference, Athens

**September 19<sup>th</sup>, 2019**, IAG Council Meeting (for delegates of NSM's)

**September 20<sup>th</sup>, 2019**, Social Dinner of the Conference

**September 22<sup>nd</sup> -25<sup>th</sup>, 2019**, Post-Conference Field Trip, Rhodes Island, in the memory of Paolo Pazzoli

**September 22<sup>nd</sup> -27<sup>th</sup>, 2019**, 2<sup>nd</sup> IAG-EGU Intensive Course: Field Training School

## Conference Fees

**Regular Registration** (with/without NSM's discount): **300€/350€**

**Late Registration** (with/without NSM's discount): **350€ / 400€**

**Students, Honorary Fellows, Retired, National delegates:** **180€**

**Accompanied Person:** **100€**

**Social Dinner:** **55€**

All participants can apply for a discount on the conference fee, whenever their country National Scientific Member (NSM) is financially-settled with the IAG's annual fee. Countries with current Discount status are:

*Argentina, Australia, Austria, Belgium, Bulgaria, Brazil, Cameroon, Canada, China, Croatia, Czech Republic, Estonia, France, Germany, Greece, Hungary, India, Iran, Ireland, Italy, Japan, Malta, New Zealand, Poland, Portugal, Romania, Russia, Serbia, Slovenia, South Africa, South Korea, Spain, Switzerland, Taiwan, Turkey, United Kingdom, United States of America.*

(updated August 2019).

The fee includes coffee and finger food lunch.

The Social dinner is not included in Conference Fee.

## Secretariat and Information Desk during the Conference

The Secretariat desk will operate as follows:

**Thursday, 19 September 2019** 08:00-18:30

**Friday, 20 September 2019** 08:15-18:30

**Saturday, 21 September 2019** 08:30-18:30

## Venue

**19,20 & 21/09/2019**  
**National and Kapodistrian**  
**University of Athens**  
**Conference Center,**  
**Historical Building,**  
**30 Panepistimiou Str.,**  
**Athens, Greece**

The conference venue lies in the heart of the city center of Athens. It can be reached via metro LINE 2 (red line) and is located next to the metro station "PANEPISTIMIO".

Ceremonial Hall:

1<sup>st</sup> floor

Argyrides Amphitheatre:  
 Ground floor

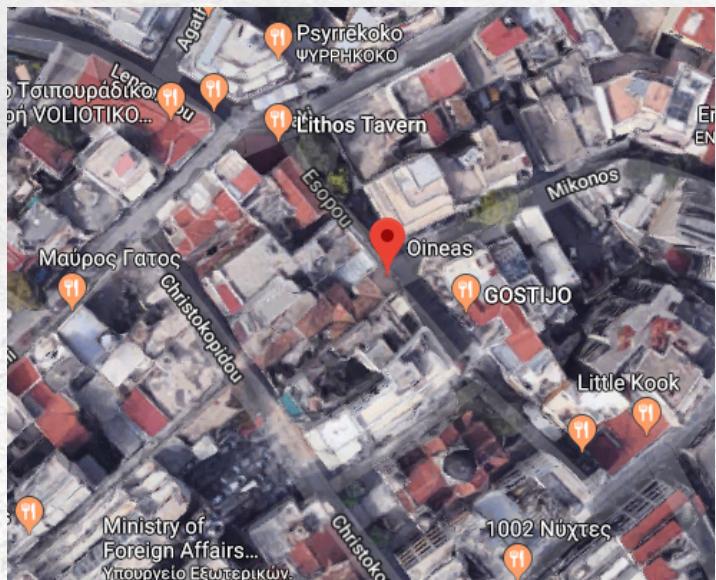
Drakopoulos Amphitheatre:  
 Ground floor



**Venue Map**

## Social Dinner

**20/09/2019**  
**Oineas restaurant**  
 9, Aisopou street  
 Athens, Greece 10554



**Social Dinner Map**

## Organizers

The Greek Committee for Geomorphology & Environment of the Geological Association of Greece, IAG National Scientific Member for Greece.

## Co-Organizers

National and Kapodistrian University of Athens  
 Aristotle University of Thessaloniki  
 University of Patras  
 Hellenic Centre of Marine Research  
 Harokopio University



## Programme Overview

### Thursday 19 September 2019

08:00 - 09:00	Registrations			
	<b>Ceremonial Hall</b>			
09:00 - 09:45	<b>Opening Ceremony</b>			
09:45 - 10:45	<b>Keynote Lectures 1.1.2</b>			
09:45 - 10:15	“The heritage value of geomorphology” Emmanuel Reynard			
10:15 - 10:45	“The imprint of river capture on continental topography and biodiversity” Taylor Perron			
10:45 - 11:00	Coffee Break			
	<b>Argyriades Amphitheatre</b>		<b>Drakopoulos Amphitheatre</b>	
11:00 - 12:45	Parallel Session 1.1.7	S06 Geomorphological Hazards and Risks	Parallel Session 1.2.7	S04-S05 Denudation in the Mediterranean Zone Geodiversity of landforms in the Mediterranean Zone
12:45 - 13:45	Lunch Break			
13:45 - 14:30	<b>Poster Session (Poster Area)</b>			
14:30 - 16:15	Parallel Session 1.3.7	S06 Geomorphological Hazards and Risks	Parallel Session 1.4.7	S07 Glacial and Periglacial Geomorphology
16:15 - 16:30	Coffee Break			
16:30 - 18:15	Parallel Session 1.5.7	S06 Geomorphological Hazards and Risks	Parallel Session 1.6.7	S10 Quantifying land surface processes with high-resolution topography & terrain analysis
18:45 - 21:30	<b>Council Meeting (invited)</b>			

## Friday 20 September 2019

09:00 - 09:30	Keynote Lectures 2.1.1			
	"Tsunami signatures in ancient harbour deposits – case studies from the eastern Mediterranean" Andreas Vött			
	<b>Argyriades Amphitheatre</b>		<b>Drakopoulos Amphitheatre</b>	
09:30 - 11:15	Parallel Session 2.1.7	S06 Geomorphological Hazards and Risks	Parallel Session 2.2.7	S11-S13 Seismic Geomorphology Tectonic Geomorphology
11:15 - 11:30	Coffee Break			
11:30 - 13:15	Parallel Session 2.3.4	S06 Geomorphological Hazards and Risks	Parallel Session 2.4.7	S11-S13 Seismic Geomorphology Tectonic Geomorphology
	2*Sponsor presentations (12:35-13:15)			
13:15 - 14:15	Lunch Break			
14:15 - 15:00	Poster Session (Poster Area)			
15:00 - 16:30	Parallel Session 2.5.6	S03 Coastal geomorphology and Morphodynamics	Parallel Session 2.6.6	S11-S13 Seismic Geomorphology Tectonic Geomorphology
16:30 - 17:00	Coffee Break			
17:00 - 18:30	Parallel Session 2.7.6	S03 Coastal geomorphology and Morphodynamics	Parallel Session 2.8.6	S08 Human Impacts on Geomorphic Systems
20:30	Social Dinner			

## Saturday 21 September 2019

09:00 - 09:30	Keynote Lecture 3.1.1			
	<b>Ceremonial Hall</b>			
	"Sandstone and conglomerate landforms – a (partly) neglected topic in geomorphology" Piotr Migoń			
	<b>Argyriades Amphitheatre</b>		<b>Drakopoulos Amphitheatre</b>	
09:30 - 11:00	Parallel Session 3.1.6	S12 Submarine Geomorphology	Parallel Session 3.2.6	S08 Human Impacts on Geomorphic Systems
11:00 - 11:15	Coffee Break			
11:15 - 13:15	Parallel Session 3.4.8	S09 Karst Geomorphology	Parallel Session 3.4.7	S14 UNESCO Global Geoparks
13:15 - 14:15	Lunch Break			
14:15 - 15:15	Poster Session (Poster Area)			
15:15 - 16:30	Parallel Session 3.5.6	S01 Advancing theory and modeling of river systems	Parallel Session 3.6.6	S02 Anthropocene, Geoarchaeology and Society
16:30 - 17:00	Coffee Break			
17:00 - 18:30	Parallel Session 3.7.6	S01 Advancing theory and modeling of river systems	Parallel Session 3.8.6	S02 Anthropocene, Geoarchaeology and Society
18:30	<b>Closing Ceremony</b>			

## Organizing Committee

Designation	Name	Affiliation
President	Evelpidou Niki	University of Athens
Vice-President	Albanakis Konstantinos	Aristotle University of Thessaloniki
Vice-President	Palvopoulos Kosmas	University Paris Sorbonne Abu Dhabi
General Secretary	Vouvalidis Konstantinos	Aristotle University of Thessaloniki
Assistant General Secretary	Poulos Serafim	University of Athens
Special Secretary	Kapsimalis Vasilius	Hellenic Centre for Marine Research
Assistant Special Secretary	Sakellariou Dimitris	Hellenic Centre for Marine Research
Treasurer	Stamatopoulos Leonidas	University of Patras
Assistant Treasurer	Vassilakis Emmanuel	University of Athens
Members	Karymbalis Efthimios	Harokopio University
Field Trips Organizers	Papatheodorou George	University of Patras
	Gournelos Theodoros	University of Athens
	Pavlides Spyridon	University of Thessaloniki
	Vouvalidis Konstantinos	Aristotle University of Thessaloniki
	Nomikou Paraskevi	University of Athens
	Pavlides Spyridon	University of Thessaloniki
	Evelpidou Niki	University of Athens
	Kapsimalis Vasilius	Hellenic Centre for Marine Research
	Sakellariou Dimitris	Hellenic Centre for Marine Research
	Karkani Anna	University of Athens

## Scientific Committee

Name	Affiliation	Country
BALTEANU, Dan	Institute of Geography	Romania
CAPOLONGO, Domenico	University of Bari	Italy
CARLING, Paul	University of Southampton	United Kingdom
CARVALHO VIEIRA, Bianca	University of Sao Paolo	Brazil
CONWAY, Susan	University of Nantes	United Kingdom
CORATZA, Paola	University of Modena and Reggio Emilia	Italy
DELLA SETA, Marta	Sapienza University of Rome	Italy
FERENTINOS, George	University of Patras	Greece
FORT, Monique	University of Paris Diderot	France
FOUACHE, Eric	Paris-Sorbonne University Abu Dhabi	France
FREDI, Paola	Sapienza University of Rome	Italy
GAKI, Kalliopi	University of Athens	Greece
GILES, Philip	Saint Mary's University	Canada
GUTIERREZ, Francisco	University of Zaragoza	Spain
HUANG, He Qing	IGSNRR, Chinese Academy of Sciences	PRC
KUMAR DE, Sunil	North Eastern Hill University	India

LUPIA PALMIERI, Elvio	Sapienza University of Rome	Italy
MAO, Luca	Catholic University of Chile	Chile
MAROUKIAN, Hampik	University of Athens	Greece
MASTRONUZZI, Giuseppe	University of Bari	Italy
MATHER, Anne	University of Plymouth	United Kingdom
MEADOWS, Mike	University of Cape Town	South Africa
MICALLEF, Aaron	University of Malta	Malta
MICU, Mihai	Institute of Geography	Romania
MIGOŃ, Piotr	University of Wrocław	Poland
MORHANGE, Christophe	CEREGE	France
OGUCHI, Takashi	University of Tokyo	Japan
OUMET, William	University of Connecticut	USA
PANIZZA, Mario	University of Modena and Reggio Emilia	Italy
PARSONS, Daniel	Daniel University of Hull	United Kingdom
PENDEA, Florin	Lakehead University	Canada
PERRON, Taylor	Massachusetts Institute of Technology	USA
SCHIATTARELLA, Marcello	University of Potenza	Italy
SEPEHR, Adel	University of Mashhad	Iran
SIVAN, Dorit	University of Haifa	Israel
SLAYMAKER, Olav	University of British Columbia	Canada
SOLDATI, Mauro	University of Modena and Reggio Emilia	Italy
URDEA, Petru	University of Timisoara	Romania
VAN DER BEEK, Peter	University Grenoble Alpes	France
VÖTT, Andreas	University of Mainz	Germany
ZANGMO TEFOGOUM, Ghislain	University of Maroua	Cameroon
ZOUROS, Nickolas	University of the Aegean	Greece

## Scientific sessions and conveners

### S01. Advancing theory and modelling of river systems

Paul Carling (UK), K. Tsanakas (Greece), Ian Rutherford (Australia), He-Qing Huang (China)

### S02. Anthropocene, Geoarchaeology and Society

Andreas Vött (Germany), Matthieu Ghilardi (France), Konstantinos Vouvalidis (Greece)

### S03. Coastal geomorphology and Morphodynamics

Giuseppe Mastronuzzi (Italy), Florin Pendea (Canada), Niki Evelpidou (Greece)

### S04. Denudation in the Mediterranean Zone

Achim A. Beylich, Zbigniew Zwolinski

### S05. Geodiversity of landforms in the Mediterranean Zone.

Zbigniew Zwolinski (Poland), Marco Giardino (Italy)

### S06. Geomorphological Hazards and Risks

Bianca Carvalho Vieira (Brasil), Helene Petschko (Germany), Takashi Oguchi (Japan), Mihai Micu (Romania)

*In collaboration with IGU*

### S07. Glacial and Periglacial Geomorphology

Petru Urdea (Romania), Carlo Baroni (Italy), Leonidas Stamatopoulos (Greece)

### S08. Human Impacts on Geomorphic Systems

Allan James (USA), Dan Balteanu (Romania), Anna Karkani (Greece)

### S09. Karst Geomorphology

Francisco Gutiérrez (España), Chris Pennos (Greece), Aurel Persoiu (Romania)

### S10. Quantifying land surface processes with high-resolution topography and terrain analysis

Taylor Perron (USA), William Ouimet (USA), Emmanuel Vassilakis (Greece)

### S11. Seismic Geomorphology

Christian Gorini (France), Benjamin Medvedef (Israel), Spyros Bellas (Greece)

### S12. Submarine Geomorphology

Alessandra Savini (Italy), Aaron Micallef (Malta), Paraskevi Nomikou (Greece)

### S13. Tectonic Geomorphology

Peter Van Der Beek (France), Giandomenico Fubelli (Italy), Efthimios Karymbalis (Greece)

### S14. UNESCO Global Geoparks: geoheritage assessment and management - geo-tourism development

Nikolas Zouros (Greece), Paola Coratza (Italy), Emmanuel Reynard (Switzerland)

*In collaboration with Global Geoparks Network (GGN)*

## Important dates

**Regular Registration was closed on:** 15/08/2019

**Late Registration:** From August 16th, 2019 onwards

## Accommodation

The accommodation during the conference proceedings will be held at hotels near the conference Venue. The availability and the prices will be available for the delegates on the registration form of our conference website. For further information, please contact the Conference PCO, Artion at [info@rcg2019.com](mailto:info@rcg2019.com).

## 2<sup>nd</sup> IAG-EGU Intensive Course: Field Training School on “Coastal Geomorphology of Climatically and Tectonically Sensitive Areas”

**Maximum number of participants: 19 Young Geomorphologists.**

The International Association of Geomorphologists (IAG) offered eight grants for YOUNG GEOMORPHOLOGISTS (under 35 yrs old) who will take part in the IAG Regional Conference on Geomorphology to be held in Athens (Greece) from 19-21 September 2019. The eight grants are offered to Young Geomorphologists from less-favored countries worldwide. The grant-holders are from India, Indonesia and Brazil.

In addition to the funds allocated by the IAG to support Young Geomorphologists, the European Geosciences Union (EGU) allocated a budget to co-sponsor the 2<sup>nd</sup> IAG-EGU Intensive Course for Young Geomorphologists. The amount of single grants depended on the country of origin (or place of residence) and on estimated financial needs of the grant winners. The grants cover (at least partially) travel costs to and from Athens, accommodation during the Conference and fee of the Intensive Course. In addition, the Organizing Committee waived the Conference registration fee.

## Organizing & Scientific Committee of the IAG-EGU Training School

Name	Affiliation	E-mail
Efthimios Karymbalis	Harokopio University, Department of Geography, Greece – President of the Hellenic Committee on Geomorphology and Environment	<a href="mailto:karymbalis@hua.gr">karymbalis@hua.gr</a>
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Ioannis Saitis	National & Kapodistrian University of Athens, Faculty of Geology and Geoenvironment, Greece	<a href="mailto:saitij@geol.ueda.gr">saitij@geol.ueda.gr</a>
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## Agenda of the 2<sup>nd</sup> IAG-EGU Intensive Course of the RCG2019 ON “COASTAL GEOMORPHOLOGY OF CLIMATICALLY AND TECTONICALLY SENSITIVE AREAS”



### 1<sup>st</sup> Day – Sunday September 22<sup>nd</sup>

Venue: Harokopio University

WELCOME ADDRESS (*Mauro Soldati, Marta Della Seta, Niki Evelydou, Efthimios Karymbalis, Vasilis Kapsimalis*)

INTRODUCING THE YOUNG GEOMORPHOLOGISTS - 10' each participant

Growth of the rift-bounding fault and lithospheric flexural uplift in the modern Corinth Rift (*David Fernández-Blanco*)

The uplifted marine terraces of Northern Peloponnese: a significant indicator for the geomorphic evolution of the area (*Dimitris Papanastassiou*)

Metrics and models of coastal landscape evolution, novel tools to measure surface deformation (*Julius Jara*)

Methods for assessing erosion rates on rocky coasts (*Stefano Furlani*)

### 2<sup>nd</sup> Day – Monday September 23<sup>rd</sup>

Venue: Harokopio University

Practical introduction to marine terrace mapping and modeling (*Julius Jara*)

Mapping of coastal landforms using geoinformatics (*Christos Chalkias*)

Extraction of the coastline using UAV techniques (*Dimitris Vandarakis*)

Coastline displacement rates trend through GPS and remote sensing techniques (*Emmanuel Vassilakis*)

### 3<sup>rd</sup> Day – Tuesday September 24<sup>th</sup>

Fieldtrip to the North Peloponnese (the broader area of Melissi-Kiato-Xylokastro)

Overview of the North Peloponnese uplifted marine terraces (*Dimitris Papanastassiou, David Fernández-Blanco, Kalliopi Gaki-Papanastassiou, Hampik Maroukian, Efthimios Karymbalis*)

DGPS mapping of marine terraces (*Giannis Saitis*)

Perched fan-deltas and reverse drainages along a transect from the coast to Mavro Oros (*David Fernández-Blanco*)

OSL sampling methodology (*Eleana Karkani*)

### 4<sup>th</sup> Day – Wednesday September 25<sup>th</sup>

Fieldtrip to Ireon - Perachora Peninsula (notched coastal cliff profile) – Bay and swamp of Psatha (Alkyonides Gulf)

Micro erosion meter stations within notches (*Stefano Furlani*)

Tidal notches: morphotectonic sea level indicator (*Niki Evelydou, Eleana Karkani*)

Selection of boreholes location for reconstruction of palaeo-depositional environments (*Hampik Maroukian, Konstantinos Tsanakas, Dimitris Papanastassiou, Kalliopi Gaki-Papanastassiou, Niki Evelydou, Efthimios*)

### **Karymbalis)**

Borehole drilling using portable drilling tool set (**Konstantinos Tsanakas, Eleana Karkani, Giannis Saitis, Vasilis Batzakis, Efthimios Karymbalis, Niki Evelpidou**)

Coastline tracing at Psatha with equipment of RTK-GNSS (**Emmanuel Vassilakis**)

Research flight with UAV-Collection of high resolution photogrammetric data (**Dimitris Vandarakis**)

Planning and preparation for the seagoing expedition (**Vasilis Kapsimalis, Dimitris Sakellariou, Ioannis Panagiotopoulos**)

Embarkation on board and installation of scientific equipment (**Vasilis Kapsimalis, Dimitris Sakellariou, Ioannis Panagiotopoulos**)

Departure of the vessel and arrival to the survey area (**Vasilis Kapsimalis, Dimitris Sakellariou, Ioannis Panagiotopoulos**)

Measurement of physical parameters of seawater column using a CTD (**Vasilis Kapsimalis, Dimitris Sakellariou, Ioannis Panagiotopoulos**)

Collection of surface sediments using a grab sampler (**Vasilis Kapsimalis, Dimitris Sakellariou, Ioannis Panagiotopoulos**)

Bathymetric survey using a single-beam echo sounder (**Vasilis Kapsimalis, Dimitris Sakellariou, Ioannis Panagiotopoulos**)

Detection of seafloor bedforms using a side scan sonar (**Vasilis Kapsimalis, Dimitris Sakellariou, Ioannis Panagiotopoulos**)

High resolution marine seismic reflection profiling using a chirp-sub-bottom profiler (**Vasilis Kapsimalis, Dimitris Sakellariou, Ioannis Panagiotopoulos**)

### **5<sup>th</sup> Day – Thursday September 26<sup>th</sup>**

**Venue:** Harokopio University

Borehole logging - qualitative description of the sedimentary stratigraphy by visual inspection (**Konstantinos Tsanakas, Eleana Karkani**)

Granulometric analysis of selected sediment samples (**Eleana Karkani, Konstantinos Tsanakas, Vasilis Batzakis**)

Micropalaeontological analysis of selected samples (**Hara Drinia, Assimina Antonarakou, Markella Assimina Louvari, Eleana Karkani, Konstantinos Tsanakas**)

Reconstruction of palaeo-depositional environments – Discussion (**Hampik Maroukian, Efthimios Karymbalis, Niki Evelpidou, Konstantinos Tsanakas, Eleana Karkani**)

### **6<sup>th</sup> Day – Friday September 27<sup>th</sup>**

**Venue:** Hellenic Center for Marine Research (HCMR)

Creation of bathymetric maps based on single beam and/or swath bathymetry data (**Vasilis Kapsimalis, Dimitris Sakellariou, Ioannis Panagiotopoulos**)

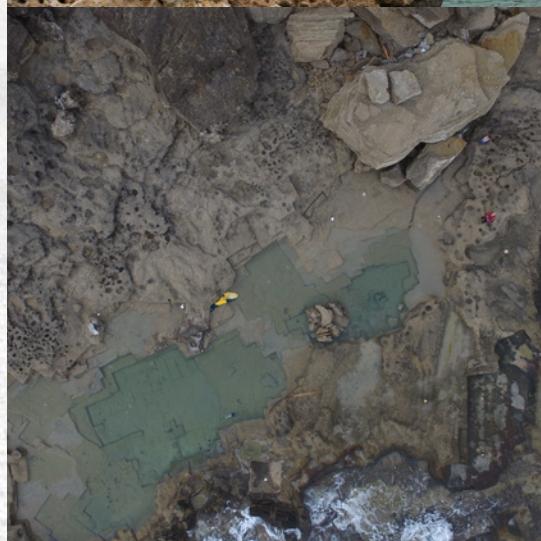
Analysis and Interpretation of high-resolution seismic reflection profiles (**Vasilis Kapsimalis, Dimitris Sakellariou, Ioannis Panagiotopoulos**)

## **IAG Grants**

There have been awarded 8 grants to participants from India, Indonesia and Brazil.

## Field trips

All the field trip destinations are to islands that in September 2019 are normally in high season. Although, there is no limit for the number of participants in the field trips, the participation fee depends on the accommodation cost and availability. The organizing committee strongly recommends an early registration for the field trip participants. Field trip registrations will close with the end of accommodation availability. Prior action for Field Trip Registration is the Conference Registration.



Pre-Conference Field Trip

## Santorini Island Field Trip

*Duration: 4 days – 3 Nights*

Conveners: Vouvalidis Konstantinos  
Nomikou Paraskevi  
Pavlides Spyridon

[vouval@geo.auth.gr](mailto:vouval@geo.auth.gr)  
[evinom@geol.uoa.gr](mailto:evinom@geol.uoa.gr)  
[pavlides@geo.auth.gr](mailto:pavlides@geo.auth.gr)



Thira (Santorini) Island is located in the center of the Aegean Sea. The geomorphology of the island is highly dynamic with the presence of an active volcano. The great volcanic eruption in the late Bronze Age (ca.1600 BC) destroyed the Cycladic Civilization and buried the ancient settlement of Akrotiri under 30 meters of volcanic ash. The participants will be introduced on the geomorphological and coastal evolution of the island and visit the Caldera, the active volcano and the archaeological site of Santorini.

## General Programme

### 1<sup>st</sup> Day – Sunday, September 15<sup>th</sup>

Departure: 15<sup>th</sup> September, 2018, 07:00 from Piraeus Harbor

Vessel: TERA JET, Company: [SEA JETS](#), Location: Piraeus Harbor [Gate E9](#), Trip Duration: 5 hours

12:00 Arrival at the [Santorini Port](#)

12:45 Hotel Check in ([Fira](#) & [Karterados](#)). All days in the same hotel.

13:45 Departure from Hotels to Pyrgos

14:00 Ice braking Lunch at Karterados Village

16:00 – 18:00 Introduction of the Santorini Field Trip at Pyrgos Santorini – [Estia Cultural Center](#)

18:00 – 20:30 Visit of the Pyrgos Medieval [Castle](#) and village. Sunset view from Pyrgos castle.

20:30 Departure from Pyrgos

Free time for visiting the city of Santorini Island (Fira)

### 2<sup>nd</sup> Day – Monday, September 16<sup>th</sup>

9:00 Meeting Point at Orthodox Metropolitan Cathedral in Fira

9:10 10 -20 min walk to the Santorini [Cable Car](#)

10:00 Depart from [Fira port](#). Boat tour of intra caldera volcanics and caldera walls

Nea Kameni – Hike up central volcanic island

Palea Kameni – View basalt flows

13:00 Thirasia Coast – One hour brake – Lunchbox

15:00 Thirasia coast to Oia – View inner caldera dykes (Armeni – Mikros Profitis) and Skaros lavas

16:30 Arrival at Fira port

17:00 – 17:15 Departure from Hotels

17:30 – 19:30 Wine Testing – Santo winery – Sunset view

### 3<sup>rd</sup> Day – Tuesday, September 17<sup>th</sup>

8:30 – 8:45 Departure from the Hotels

9:00 [Akrotiri](#)—Minoan Bronze-age settlement

11:00 [Kokkini Paralia](#)—Red beach composed of ignimbrites that are prone to landslide

12:00 [Vlychada](#)/Theros beach—distal fallout deposits & tsunamis

13:30 – 15:00 Lunch at SAF ([Santorini Arts Factory](#)) tasting local food specialties.

15:30 [Prophitis Ilias](#)—View metamorphic basement rocks-Caldera view

17:00 METAXA Mine (known also as Mavromatis mine) —Minoan eruption phases & 60 kyr pumice with fossils

19:30 Farewell dinner (Karterados Village)

### 4<sup>th</sup> Day – Wednesday, September 18<sup>th</sup>

8:30 Hotel Check out

9:00 Visit at [Museum of Prehistoric Thera](#) in Fira

10:00 Megalo Vouno, Mikros Profitis Elias—Explore cinder cones and basalts, Kolumbo fault zone & dykes

11:30 Free time to visit the [Oia Village](#)

13:00 Departure from Oia to Thira port

Departure: 16:40 from Santorini Harbor

Vessel: SEA JET 2, Company: SEA JETS, Trip Duration: 5 hours

22:30 Piraeus Harbor Gate E9

Post-Conference Field Trip

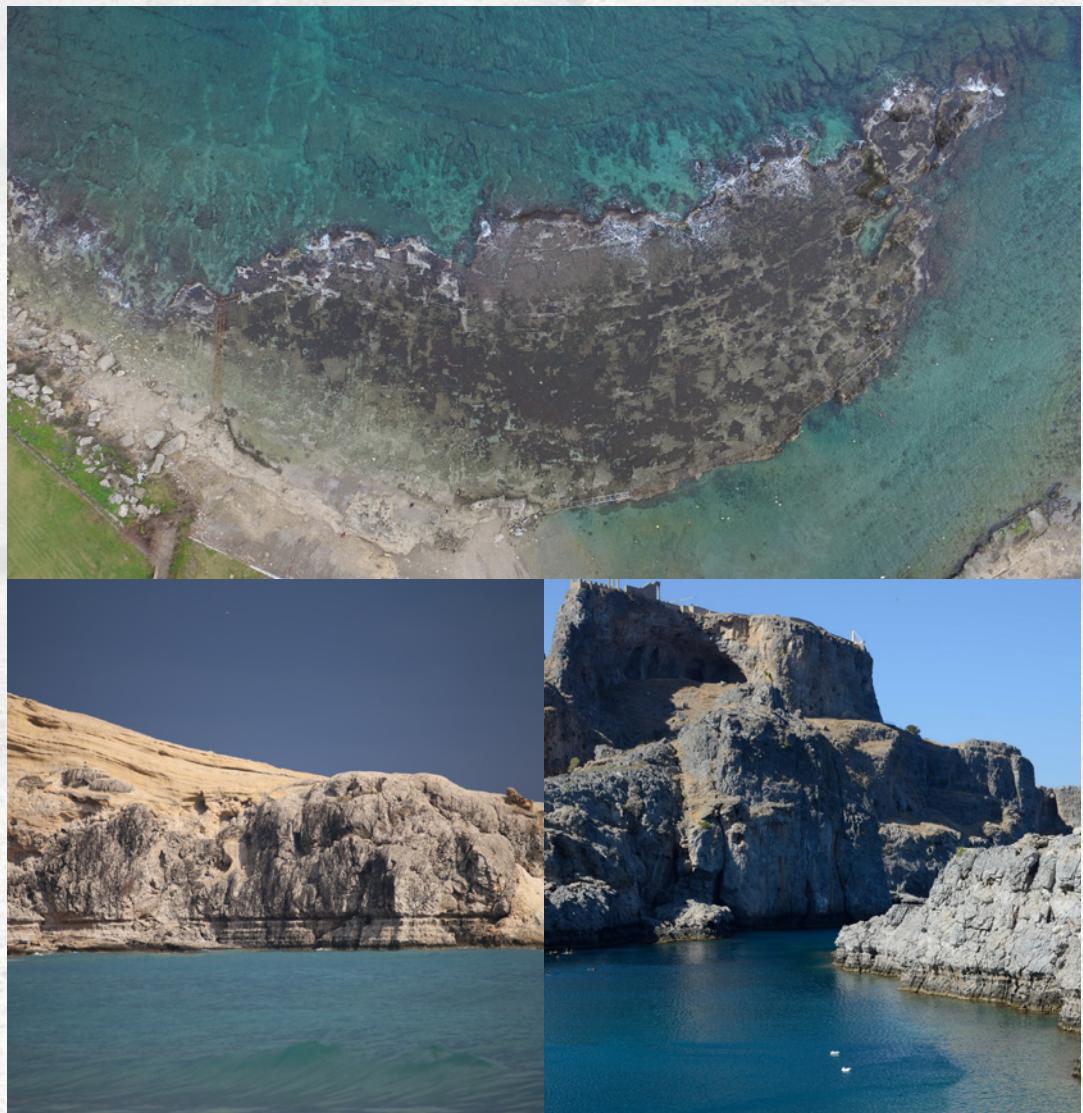
## Rhodes Island Field Trip

*In the memory of Paolo Pirazzoli*

Duration: 4 days – 3 Nights

Conveners: Evelpidou Niki  
Kapsimalis Vasilios  
Sakellariou Dimitris  
Karkani Anna

[evelpidou@geol.uoa.gr](mailto:evelpidou@geol.uoa.gr)  
[kapsim@hcmr.gr](mailto:kapsim@hcmr.gr)  
[sakell@hcmr.gr](mailto:sakell@hcmr.gr)  
[ekarkani@geol.uoa.gr](mailto:ekarkani@geol.uoa.gr)



Rhodes Island is located in the southeast part of the Aegean Sea. The Island is rich in geomorphological sea level indicators, mainly in the form of uplifted tidal notches, which reveal that Rhodes is composed of small crustal blocks with each block being affected by a particular tectonic history. The participants will be introduced to the coastal geomorphologic evolution of the island, controlled by tectonics and its paleo-seismicity history.

## General Programme

### 1<sup>st</sup> Day – Sunday, September 22<sup>nd</sup>

Departure from Athens, Aegean Airlines, flight time 8:15

Welcome and lectures: Geotectonics of the wider region, Submarine geomorphology, Tour at the Hydrobiological Station of Rhodes

Accommodation at Mediterranean Hotel, in Rhodes town

### 2<sup>nd</sup> day – Monday, September 23<sup>rd</sup>

09: 00 - 17:00

Kavourakia – Submerged ancient quarries

Kalithea (Oasis beach) – Sedimentary features of Plio-Pleistocene deposits, Marine Terrace

Cape Ladiko – Ripple notches and biological remains

Prasonisi – Tombolo - Free time – swimming

Gennadi – beachrocks and tsunamis?

19: 00 Dinner in Rhodes city

### 3<sup>rd</sup> day – Tuesday, September 24<sup>th</sup>

9:10 - 21:30

Tsambika – Uplifted shorelines, erosional marks

Agathi beach – Archagellos faults, Uplifted terraces

Lindos panorama – Uplifted Pleistocene terraces, faults

Lindos, St. Paul bay– Lindos acropolis, Horst & Graben structure, Paleoshorelines

Lindos faults – Active faults, displaced terraces

Lardos beach – Uplifted beachrocks, trace fossils

Embonas village – Visit to winery, wine tasting

19:00 Dinner at Embonas village

### 4<sup>th</sup> day, Wednesday, September 25<sup>th</sup>

Rhodes town – Visit to the old town with tour guide

Departure for Athens, Aegean Airlines, flight time 18:15

## How to get to the National and Kapodistrian University of Athens

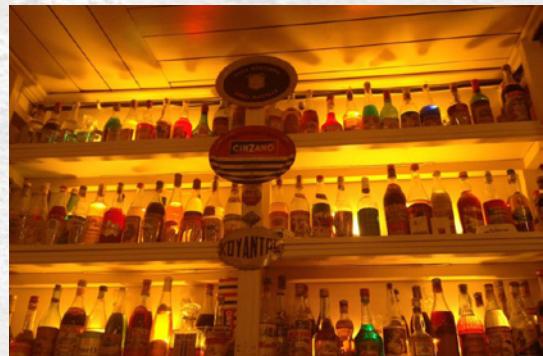
The area of National & Kapodistrian University of Athens is very well served by public transport and accesses to the airport and city center.

The Regional Conference On Geomorphology Athens 2019 takes place in the National & Kapodistrian University of Athens at the heart of downtown Athens, close to all major hotels, next to the metro station 'Panepistimio' on the red line with several bus stops and taxi stations around the corner.

## Social Dinner

### Oineas restaurant

9, Aisopou street  
Athens, Greece 10554





# Programme

## Thursday 19 September 2019

08:00 - 09:00	Registrations	
	<b>Ceremonial Hall</b>	
09:00 - 09:45	<b>Opening Ceremony</b>	
09:45 - 10:45	<b>Keynote Lectures 1.1.2</b> <b>Chairs:</b> Niki Evelpidou, Mauro Soldati	
09:45 - 10:15	<b>"The heritage value of geomorphology"</b> Emmanuel Reynard	
10:15 - 10:45	<b>"The imprint of river capture on continental topography and biodiversity"</b> Taylor Perron	
10:45 - 11:00	Coffee Break	
	<b>Argyriades Amphitheatre</b>	<b>Drakopoulos Amphitheatre</b>
11:00 - 12:45	<b>Parallel Session 1.1.7</b> <b>S06. Geomorphological Hazards and Risks</b> <b>Chairs:</b> Bianca Carvalho Vieira, Mihai Micu	11:00 - 12:45 <b>Parallel Session 1.2.7</b> <b>S04. Denudation in the Mediterranean Zone</b> <b>S05. Geodiversity of landforms in the Mediterranean Zone</b> <b>Chairs:</b> Achim A. Beylich, Zbigniew Zwolinski
	<b>LARGE LANDSLIDES AND DEEP-SEATED GRAVITATIONAL SLOPE DEFORMATIONS IN THE CZECH OUTER WESTERN CARPATHIANS</b> <u>Michal Břežný; Tomáš Pánek; Veronika Smolková; Jan Lenart; Vladimír Chalupa</u>	<b>GEOMORPHODIVERSITY, SEDIMENT AND SOIL DYNAMICS, AND RELATED CONTROL FACTORS: MULTISCALE INVESTIGATION IN SELECTED HYDROGRAPHIC BASINS IN THE VEGLIA DEVERO NATURAL PARK</b> <u>Irene Maria Bollati; Anna Masseroli; Manuela Pelfini</u>
	<b>GEOLOGICAL AND TOPOGRAPHIC CONDITIONING FACTORS OF SHALLOW LANDSLIDES IN SÃO LUIZ DO PARAÍTINGA COUNTY, BRAZIL</b> <u>José Bonini; Jurandyr Luciano Sanches Ross; Tiago Damas Martins; Bianca Carvalho Vieira</u>	<b>SOIL EROSION AND DEPOSITION RATE INSIDE AN ARTIFICIAL RESERVOIR IN THE SAN ROCCO WATERSHED, ITALY. BATHYMETRY AGAINST RUSLE</b> <u>Margherita Bufalini; Marco Materazzi; Gilberto Pambianchi; Artemi Cerdà; Emry Fuffa; Michele Tromboni</u>
	<b>DEEP SEATED LANDSLIDES ON FLYSCH NAPPE OUTLIERS</b> <u>Vladimír Chalupa</u>	<b>OBJECT-BASED MAPPING OF GULLY EROSION IN KARSTIC AREA THROUGH THE USE OF MEDIUM SPATIAL RESOLUTION MORPHOMETRIC PARAMETERS</b> <u>Fran Domazetović; Ante Šiljeg; Nina Lončar</u>

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**A MULTIDISCIPLINARY APPROACH FOR INVESTIGATIONS OF THE DYNAMICS OF A BOULDER DEPOSIT ON A LOW-LYING ROCKY PROMONTORY IN THE NORTHERN ADRIATIC SEA**

Stefano Devoto; Sara Biolchi; Linley Hastewell; Matteo Mantovani; Giovanni Scicchitano; Tvrtnko Korbar; Ivica Vilibic; Clea Denamiel; Stefano Furlani

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**DEBRIS FLOWS AND LONG-TERM DENUDATION RATES IN THE SERRA DO MAR/SP, BRAZIL**

Maria Carolina Villaça Gomes; André Augusto Rodrigues Salgado; Bianca Carvalho Vieira

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**GULLY-LANDSLIDE EVOLUTION FROM 2009 TO PRESENT: A CASE STUDY FROM SOUTHEAST NIGERIA**

Ikenna Osumgborogwu; John Wainwright, Laura Turnbull-lloyd

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**INHERITED AND MODERN SLOPE PROCESSES IN NUNAVIK: FROM HAZARDS TO RISK SITUATIONS**

Armelle Decaulne; Najat Bhiry; Samuel Veilleux

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**MORPHOLOGICAL ANALYSIS OF KARST FEATURES BASED ON VERY HIGH-DENSITY POINT CLOUDS**

Aliko Konsolaki; Emmanuel Vassilakis; Vasilis Giannopoulos

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**ASSESSING THE NATURE TOURISM POTENTIAL OF IRAN BY GEODIVERSITY**

Manijeh Ghahroudi Tali

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**QUATERNARY DENUDATION RATES CALCULATED FROM TUFA DEPOSITS SHELTERED BY INLAND NOTCHES, MT. CARMEL, ISRAEL**

Nurit Shober-zisu; Anton Vaks; Amos Frumkin

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**EASTERN MEDITERRANEAN CLIMATE VARIABILITY AND RECONSTRUCTION OVER THE LAST 12000 YEARS BASED ON A VARVED SEDIMENT RECORD FROM VOULIAGMENI LAKE, GULF OF CORINTH (GREECE)**

Alexandros Emmanouilidis; Ingmar Unkel; Pavlos Avramidis

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12:45 - 13:45 Lunch Break

**Poster Area**

13:45 - 14:30

**Poster Session**

S04. Denudation in the Mediterranean Zone

S05. Geodiversity of landforms in the Mediterranean Zone

S06. Geomorphological Hazards and Risks

S07. Glacial and Periglacial Geomorphology

S10. Quantifying land surface processes with high-resolution topography and terrain analysis

**Chairs:** Vassilis Kapsimalis, Emmanuel Vassilakis

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**P.1.01 ASSESSING RIVER'S RELATIVE SEDIMENT DISCHARGE POTENTIAL USING MODIS IMAGERY**

Sotirios Karalis; Efthimios Karymbalis

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**P.1.02 DRIVERS AND RATES OF DENUDATIONAL PROCESSES AND SOURCE-TO-SINK FLUXES UNDER CHANGING CLIMATE AND ANTHROPOGENIC IMPACTS IN SELECTED MEDITERRANEAN CATCHMENT SYSTEMS IN EASTERN SPAIN**

Achim A. Beylich; Katja Laute

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**P.1.03 THE IAG WORKING GROUP ON DENUDATION AND ENVIRONMENTAL CHANGES IN DIFFERENT MORPHOClimATIC ZONES (DENUCHANGE, 2017-2021): OBJECTIVE, ACTIVITIES AND PLANNED OUTCOME**

Achim A. Beylich; DENUCHANGE Team

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**P.1.04 THE GEODIVERSITY OF MOUNTAIN KARST LANDSCAPES: EXAMPLES FROM THE CENTRAL-SOUTHERN APENNINES**

Francesca Filocamo; Gianluigi Di Paola; Carmen M Rosskopf

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**P.1.05 REGIONAL AND LOCAL APPROACHES FOR ASSESSING HYDROGEOMORPHODIVERSITY AND ENHANCING RELATED GEOSYSTEM SERVICES**

Gilda Carraro; Marco Giardino; Manuela Lasagna; Luigi Perotti

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**P.1.06 LANDFORM AND GEODIVERSITY ANALYSIS OF PALE MUNICIPALITY (BOSNIA AND HERZEGOVINA) USING TOPOGRAPHIC POSITION INDEX**

Jelena Goljanin

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**P.1.07 THE GEODIVERSITY OF SELECTED MEDITERRANEAN ISLANDS**

Zbigniew Zwolinski; Alicja Najwer

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**P.1.08 RISKS OF LANDSLIDES IN SALVADOR, BAHIA (BRAZIL): THE RELATIONSHIP BETWEEN THE ENVIRONMENTAL SUSCEPTIBILITY AND SOCIAL VULNERABILITY**

Grace Alves; Jilvana Souza; Laís Silva; Jessica Santana; Paulo Zangalli Junior

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**P.1.09 THE INFLUENCE OF THE GEOMORPHOLOGICAL AND PEDOLOGICAL PROPERTIES ON LANDSLIDES IN THE SERRA DO MAR MOUNTAIN RANGE, BRAZIL**

Bianca Carvalho Vieira; Rebeca Durço Coelho; José Bonini; Maria Carolina Villaça Gomes; Marcelo Gramani; Vivian Cristina Dias

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**P.1.10 INVESTIGATING THE IMPACT OF LAND USE CHANGES ON FLOOD PREDICTION USING A SWAT MODEL IN SHIRAZ WATERSHED (IRAN)**

Sahar Darabi Shahmari

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**P.1.11 TREE-RING RECONSTRUCTION OF SNOW-AVALANCHE ACTIVITY IN MARAMUREŞ MOUNTAINS (EASTERN CARPATHIANS, ROMANIA)**

Armelle Decaulne; Mihai Hotea; Cosmin Timofte; Iulian Holobâcă; Ionela Georgiana Răchită; Olimpiu Traian Pop

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**P.1.12 CONSTRUCTION OF ROAD AND BRIDGES IN NEPAL HIMALAYA WITH POOR CONSIDERATION OF NATURAL HAZARDS**

Narayan Gurung; Gilles Arnaud-Fassetta; Monique Fort

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**P.1.13 A DYNAMIC EROSION SUSCEPTIBILITY MODEL USING COMBINED FUZZY SETS AND LOGISTIC REGRESSION.**

Theodoros Gournelos; Niki-Nikoletta Evelpidou; Vasileios Kotinas

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**P.1.14 STUDY ON THE SEDIMENTARY ENVIRONMENT OF LUOHE FORMATION OF EARLY CRETACEOUS BETWEEN ZHIDAN AND SHENMU COUNTIES IN SHAANXI PROVINCE AND ITS RELATIONSHIP WITH DANXIA LANDFORM IN NORTHERN SHAANXI**

Wu Hao

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**P.1.15 HIKING TRAILS ASSESSMENT, USING DENDROGEOMORPHOLOGICAL APPROACH AND TOPOGRAPHIC PARAMETERS. CASE STUDY: BUCEGI MOUNTAINS-SOUTHERN CARPATHIANS, ROMANIAN CARPATHIANS**

Mihai Jula; Mircea Voiculescu

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**P.1.16 THE LITHOLOGIC CHARACTERISTIC AND PALAEOGEOGRAPHIC SIGNIFICANCE OF ANEMOARENITE OF ORDOS BASIN IN EARLY CRETACEOUS LUOHE FORMATION**

Tian Minmin

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**P.1.17 LOCATIONS OF HISTORICAL AND ARCHAEOLOGICAL MONUMENTS IN JAPAN AND CHINA IN RELATION TO GEOMORPHOLOGY AND NATURAL HAZARDS**

Yuan Wang; Takashi Oguchi

**P.1.18 OLD BUT STILL ACTIVE: >18 KA HISTORY OF ROCK-SLOPE FAILURES AFFECTING FLYSCH ANTICLINE**

Tomas Panek; Michal Břežný; Régis Braucher; Karel Šilhán; Vladimír Chalupa; Jan Lenart

**P.1.19 ANALYSIS OF SUSCEPTIBILITY TO LANDSLIDES IN THE NORTHERN SECTOR OF THE BLUMENAU MUNICIPALITY**

Raiza Sartori Peruzzo

**P.1.20 GEOMORPHOLOGY AND DISASTER RISK REDUCTION: THE EXPERIENCE OF THE EMTASK ACADEMIC UPGRADING COURSE ON TERRITORIAL, ENVIRONMENTAL AND HEALTH EMERGENCIES**

Mauro Soldati; Alessandro Ghinoi; Simona Marchetti Dori

**P.1.21 CONSEQUENCES OF MASS MOVEMENTS RELATED TO ANCIENT EXTRACTIVE ACTIVITIES IN THE CITY OF TANDIL, ARGENTINA**

Rodolfo Osvaldo Gentile; Juan Manuel Susena

**P.1.22 MODELLING PEAK DISCHARGE WITH THE USE OF UNMANNED AIRCRAFT SYSTEMS. THE CASE OF MARIOREMA STREAM DURING THE FLASH FLOOD OF 2016 (LAKONIA, GREECE)**

Konstantina Tsaprouni; Emmanuel Andreadakis; Mihalis Diakakis

**P.1.23 MASS MOVEMENTS STUDY IN DJOUNDÉ LOCALITY AND VICINITIES (MAROUA II SUB-DIVISION, FAR-NORTH, CAMEROON)**

Ghislain Zangmo Tefogoum; Mfossi Amza; Merlin Gountié Dedzo; David Guimolaire Nkouathio; Armand Kagou Dongmo; Marcellin Bikoro Bi Alou

**P.1.24 THE IMPLICATION OF DEM RESOLUTION ON SLOPE INSTABILITY MODELLING**

Tiago Damas Martins, Bianca Carvalho Vieira, Carlos Bateira

**P.1.25 GLACIAL DECLINE IN THE GRAN PARADISO MASSIF (WESTERN ITALIAN ALPS) SINCE THE LITTLE ICE AGE: QUANTITATIVE ANALYSIS FROM A MULTITEMPORAL DATABASE**

Simona Gennaro; Maria Cristina Salvatore; Carlo Baroni

**P.1.26 QUATERNARY GLACIAL LANDFORMS ON PERISTERI AND TZOUMERKA MASSIFS (PINDOS CHAIN, NORTHWESTERN GREECE)**

Leonidas Stamatopoulos; Konstantinos Vouvalidis

**P.1.27 GEOMORPHOLOGICAL IMPRINTS OF EPISODIC SURFACE RUNOFF IN DESERTS - A CASE STUDY FROM WADI AN-NATRUN DEPRESSION, THE WESTERN DESERT, EGYPT**

Amr Saleem; Islam Saber; Clement Flaux

**P.1.28 INVESTIGATIONS ON SITE RESPONSE STUDIES FOR SEISMIC URBAN RISK**

Bogdan Felix Apostol; Stefan Florin Balan; Alexandru Tiganescu; Constantin Ionescu

**P.1.29 MORPHOMETRY AND EVOLUTION OF BADLANDS IN THE EMILIA APENNINES (NORTHERN ITALY)**

Paola Coratza; Martina Bedetti; Vittoria Vandelli; Mauro Soldati

**P.1.30 GEOMORPHOLOGY OF ELBE SANDSTONE MOUNTAINS IN LIGHT OF THE HIGH-RESOLUTION DIGITAL ELEVATION MODEL**

Kacper Jancewicz; Wioleta Kotwicka; Milena Różycka; Piotr Migoń

**P.1.31 UAV PHOTGRAMMETRY VS. HIGH RESOLUTION LIDAR DATA – THE USEFULNESS FOR THE GEOMORPHIC MAPPING AND INTERPRETATION OF TOR AREAS, WEST SUDETES (SW POLAND)**

Aleksandra Michniewicz; Kacper Jancewicz; Marek Kasprzak

**P.1.32 USE OF COMMERCIAL DRONE FOR THE PRODUCTION OF HIGH-RESOLUTION DEMS BY USING DIFFERENT ACQUISITION APPROACHES**

Antonio Minervino Amadio

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**P.1.33 UAVS (UNMANNED AERIAL VEHICLES) FOR LANDSLIDE MONITORING AND EMERGENCY MANAGEMENT**

Ettore Potente; Cosimo Cagnazzo; Alessandro Deodati; Giuseppe Mastronuzzi

**P.1.34 LANDSLIDE SUSCEPTIBILITY MAPPING FROM LASER DATA IN NITERÓI (RJ) - BRAZIL**

Roberto Arnaldo Trancoso Gomes; Pedro Coutinho Mendonça; Osmar Abílio De Carvalho Júnior; Renato Fontes Guimarães

		<b>Argyriades Amphitheatre</b>	<b>Drakopoulos Amphitheatre</b>
14:30 - 16:15	<b>Parallel Session 1.3.7</b> <b>S06. Geomorphological Hazards and Risks</b> <b>Chairs:</b> Takashi Oguchi, Helene Petschko	14:30 - 16:15 <b>Parallel Session 1.4.7</b> <b>S07. Glacial and Periglacial Geomorphology</b> <b>Chairs:</b> Carlo Baroni, Petru Urdea	
	<b>TESTING OF DENDROGEOMORPHIC METHODS ON MONITORED LANDSLIDES: HOW EFFECTIVE IS DENDROGEOMORPHIC DATING FOR THE IDENTIFICATION OF LANDSLIDE ACTIVITY?</b> Karel Šilhán; Radek Tichavský; Jan Klimeš; Roberta Prokešová; Alžbeta Medvedová	<b>THERMOKARST DEGRADATION: LARGE-SCALE LABORATORY SIMULATION</b> François Costard; Antoine Séjourné; Frederic Bouchard; Alexander Fedorov; Laure Dupeyrat; Bertrand Saint-bezar; Chiara Marmo	
	<b>VIDEO EDITING AND UAV SURVEY TECHNIQUES USEFUL FOR THE ANALYSES OF BOULDER MOVEMENTS OCCURRED DURING THE STROKE OF MEDICANE "ZORBAS" ON SOUTHEASTERN SICILY</b> Giovanni Scicchitano; Giovanni Scardino; Sebastiano Tarascio; Carmelo Monaco; Giovanni Barracane; Giuseppe Locuratolo; Maurilio Milella; Arcangelo Piscitelli; Giuseppe Mastronuzzi	<b>THE COMPLEX READJUSTMENT OF A PERIGLACIAL RIVER TO ONGOING CLIMATE CHANGE, THE LENA RIVER (EASTERN SIBERIA)</b> Emmanuelle Gautier; Julien Cavero; Thomas Dépret; Maël Jammet; Clément Pont; Nicolas Delbart; François Costard; Clélia Bilodeau; Clément Virmoux	
	<b>INTEGRATING PIXEL ANALYSIS INTO SLOPE UNITS LANDSLIDE SUSCEPTIBILITY MAPPING: AN APPLICATION TO THE IMERA RIVER BASIN (NORTHERN SICILY, ITALY)</b> Edoardo Rotigliano; Chiara Martinello; Chiara Cappadonia; Valerio Agnesi	<b>SOILS DYNAMIC, PARENT MATERIAL EFFECT AND GEOMORPHOLOGICAL PROCESSES IN HIGH MOUNTAIN ENVIRONMENTS: THE CASE OF RIO BUSCAGNA HYDROGRAPHIC BASIN (VEGLIA-DEVERO NATURAL PARK, CENTRAL-WESTERN ITALIAN ALPS)</b> Anna Masseroli; Irene Bollati; Manuela Pelfini; Luca Trombino	
	<b>USE OF MULTI-TEMPORAL SAR AMPLITUDE IMAGES FOR RAPID LANDSLIDES DETECTION</b> Alessandro Mondini	<b>GEOMORPHIC PARAMETERS OF SEDIMENT SOURCES INFLUENCING THE MONOLITH AND KELLER STREAMS, JAMES ROSS ISLAND, ANTARCTICA</b> Lenka Ondráčková; Radim Stuchlík; Daniel Nývlt	

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**IMPROVING LANDSLIDE SUSCEPTIBILITY MODEL ACCURACY THROUGH MULTIPLE NESTED MARS ANALYSIS: APPLICATION IN THE ILOPANGO CALDERA AREA (EL SALVADOR, C.A.)**  
Chiara Martinello; Edoardo Rotigliano; Christian Conoscenti

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**COMBINING LANDSLIDE SUSCEPTIBILITY WITH POTENTIAL RUNOUT. AN INTEGRATIVE APPROACH COMBINING DATA-DRIVEN METHODS**  
Pedro Henrique Lima; Stefan Steger; Thomas Glade; Martin Mergili

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**A COMBINATION OF NUMERICAL MODELS FOR FALL AND FLOW TO SIMULATE COMPLEX LANDSLIDES**  
Nina Marlovits; Thomas Glade; Alexander Preh; Emmanouil Fleris; Martin Mergili

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**THE ROCK GLACIERS ON THE BULGARIAN HIGHEST MOUNTAINS (RILA & PIRIN) AND RETEZAT MOUNTAINS, ROMANIA: A COMPARATIVE ANALYSIS**  
Petru Urdea; Brigitte Magori; Alexandru Onaca; Florina Ardelean

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**DISTRIBUTION AND TIMING OF LAST GLACIAL PATTERNED GROUNDS IN THE CZECH REPUBLIC**

Tomáš Uxa; Marek Křížek; David Krause; Zbyněk Engel; Piotr Moska; Régis Braucher; Aster Team

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**THE LATE PLEISTOCENE GLACIAL HISTORY OF THE ALTA BADIA VALLEY (DOLOMITES, ITALY)**

Vittoria Vandelli; Carlo Baroni; Mauro Marchetti; Maria Cristina Salvatore; Mauro Soldati

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16:15 - 16:30	Coffee Break		
	<b>Argyriades Amphitheatre</b>		
16:30 - 18:15	<b>Parallel Session 1.5.7</b> <b>S06. Geomorphological Hazards and Risks</b> <b>Chairs:</b> Bianca Carvalho Vieira, Mihai Micu	16:30 - 18:15	<b>Parallel Session 1.6.7</b> <b>S10. Quantifying land surface processes with high-resolution topography &amp; terrain analysis</b> <b>Chairs:</b> Taylor Perron, Emmanuel Vassilakis
	<b>EXPERIMENTAL FIELD STUDY ON THE FATIGUE AND FAILURE MECHANISMS OF COASTAL CHALK CLIFFS: IMPLEMENTATION OF A MULTI-PARAMETER MONITORING IN SAINTE-MARGUERITE-SUR-MER (SEINE-MARITIME, FRANCE)</b> Nicolas Le Dantec; <u>Pauline Letortu; Emmanuel Augereau; Stéphane Costa; Olivier Maquaire; Robert Davidson; Ali Saab; Augustin Sallent; Laurent Longuevergne; Jérôme De La Bernardie; Olivier Bour; Christophe Delacourt</u>		
	<b>MODERN AND CLASSIC SITE ANALYZES FOR MITIGATION SEISMIC RISK IN BUCHAREST</b> <u>Stefan Florin Balan; Bogdan Felix Apostol; Constantin Ionescu</u>		

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**KINEMATIC ANALYSIS OF SEA CLIFF STABILITY USING UAV PHOTOGRAHAMMETRY**

Ignacio Ibarra; John Barlow; Roger Moore

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**A NEW APPROACH FOR THE NATIONAL-SCALE LANDSLIDE SUSCEPTIBILITY MAP IN ROMANIA IN A EUROPEAN METHODOLOGICAL FRAMEWORK**

Dan Balteanu; Mihai Micu; Marta Jurchescu; Jean-Philippe Malet; Mihaela Sima; Gheorghe Kucsicsa; Cristina Dumitrică; Dănuț Petrea; Ciprian Mărgărint; Stefan Bilașco; Cornelia Dobrescu; Elena Călărașu; Ioan Boț; Ernest Olinic; Francisc Senzaconi

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**GIANT LANDSLIDES AND FALL OF GLACIAL LAKES IN THE FORELAND OF THE PATAGONIAN ICE SHEET**

Tomas Panek; Elisabeth Schönfeldt; Diego Winocur; Karel Šilhán; Vladimír Chalupa; Oliver Korup

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**RELATIONSHIPS BETWEEN LAND-USE LEGACIES AND LANDSLIDE OCCURRENCE**

Raphael Knevels; Helene Petschko; Alexander Brenning; Herwig Prosker; Philip Leopold; Gerhard Heiss; Wolfgang Loibl; Mario Köstl; Christian Stefan; Simone Gingrich; Christoph Plutzar; Theresia Lechner; Willi Haas

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**MORE FREQUENT DEBRIS FLOWS IN SOUTHEAST AUSTRALIA LINKED TO DROUGHT, WILDFIRE, AND THE EL NIÑO–SOUTHERN OSCILLATION**

Petter Nyman; Ian D. Rutherford; Patrick N.J. Lane; Gary J. Sheridan

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**FLOOD AS AN ANTHROPOGENIC HAZARD: CASE STUDY OF THE 2016 FLOOD OF BIHAR, INDIA**

Abhijit Das; Pritam Kumar Santra; Sunando Bandyopadhyay

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**TESTING HIGH RESOLUTION TOPOGRAPHY FROM AERIAL LIDAR AND SFM PHOTOGRAHAMMETRY TO DETECT AND MONITOR PIPE COLLAPSES**

Anita Bernatek-Jakiel; Maciej Liro; Michał Jakiel

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**GEOMORPHOLOGICAL INVESTIGATION ON THE SIAH-KUH MASS ROCK CREEP DEFORMATION (ZAGROS MTS., IRAN) THROUGH SPACE-BORNE SYNTHETIC APERTURE RADAR (SAR) INTERFEROMETRY AND QUANTITATIVE GEOMORPHIC ANALYSIS**

Michele Delchiaro; Emanuele Mele; Marta Della Seta; Salvatore Martino; Paolo Mazzanti

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**THE NATURE AND HYDROLOGY OF LARGE, FLAT WETLANDS IN THE MURRAY-DARLING BASIN, AUSTRALIA**

Paul Frazier; Andrew Hall; Mark Southwell; Darren Ryder

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**OBJECT-BASED CHARACTERIZATION OF LANDSLIDE PHENOMENA USING UAV PHOTOGRAHAMMETRY**

Stratis Karantanellis; Vasileios Marinos; Emmanuel Vassilakis

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**PREDICTING GULLY EROSION BY INTEGRATED APPROACHES: A TEST IN CENTRAL-WESTERN SICILY**

Christian Conoscenti; Chiara Martinello; Valerio Agnesi; Edoardo Rotigliano

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**RECONSTRUCTING THE EVOLUTIONARY HISTORY OF GANGA RIVER USING THE SEDIMENTOLOGICAL, GEOMORPHOLOGICAL AND CHRONOLOGICAL DATA**

Neelam Verma; Ravindra Pratap Singh

## Friday 20 September 2019

Argyriades Amphitheatre		
09:00 - 09:30	<b>Keynote Lecture 2.1.1</b> <b>Chairs:</b> Vasilios Kapsimalis, Serafim Poulos	
	<p>"Tsunami signatures in ancient harbour deposits – case studies from the eastern Mediterranean"</p> <p>Andreas Vött</p>	
Argyriades Amphitheatre		Drakopoulos Amphitheatre
09:30 - 11:15	<b>Parallel Session 2.1.7</b> <b>S06. Geomorphological Hazards and Risks</b> <b>Chairs:</b> Takashi Oguchi, Helene Petschko	<b>Parallel Session 2.2.7</b> <b>S11. Seismic Geomorphology</b> <b>S13. Tectonic Geomorphology</b> <b>Chairs:</b> Spyros Bellas, Giandomenico Fubelli
	<b>NEW CONTRIBUTIONS TO THE ANALYSIS OF THE GEOMORPHOLOGICAL AND GEOLOGICAL VULNERABILITY OF THE ROMAN EDIFICE WITH MOSAIC SITE, CONSTANTA</b> <u>Andreea Andra-Toparceanu; Verga Mihaela; Mihai Mafteiu</u>	<b>DEFORMATION OF QUATERNARY SEDIMENTS IN ALAKNANDA RIVER OF SRINAGAR VALLEY (GARHWAL HIMALAYA), INDIA</b> <u>Devi Datt Chauniyal</u>
	<b>PALEO-TSUNAMI ALONG THE WEST COAST OF SUMBAWA, INDONESIA: A PRELIMINARY STUDY</b> <u>Bachtiar W. Mutaqin; Franck Lavigne; Patrick Wassmer; Martine Trautmann; Jean-Christophe Komorowski; Junun Sartohadi; Bagus Septiangular; Arum Puspitorukmi</u>	<b>TECTONIC AND LITHOLOGICAL CONTROLS ON THE VARIABILITY OF FLUVIAL LANDSCAPE IN CHOTANAGPUR PLATEAU, EASTERN INDIA</b> <u>Sujay Bandyopadhyay</u>
	<b>GEOMORPHOLOGICAL CHARACTERISTICS AND THE IMPACT OF GEOLOGICAL HAZARDS OF LOESS PLATEAU IN NORTHERN SHAANXI, CHINA</b> <u>Kuibin Ning</u>	<b>LANDSCAPES OF TECTONICALLY SENSITIVE EASTERN HIMALAYAN FOOTHILLS: CASE STUDIES BETWEEN RIVER BALASON TO RIVER TEESTA AND RIVER GISH TO RIVER JALDHAKA</b> <u>Soma Bhattacharya</u>
	<b>GEOMORPHOLOGICAL APPLICATIONS TO NATURAL HAZARDS IN JAPAN AND TAIWAN</b> <u>Takashi Oguchi; Chi-wen Chen; Hongey Chen</u>	<b>GUMTI RIVER, TRIPURA: A CASE STUDY ON CHANNEL PLANFORM CHANGE BETWEEN 1930 AND 2017</b> <u>Saheli Bhattacherjee; Sunando Bandyopadhyay; Sunil Kumar De</u>
	<b>UNDERSTANDING THE DESERTIFICATION PROCESSES AND ROLE OF NATURAL AND ANTHROPOGENIC DRIVERS IN AN ARID ECOSYSTEM: A CASE STUDY IN INDIAN ARID LANDS</b> <u>Azizur Rahman Siddiqui</u>	<b>QUATERNARY MORPHOTECTONIC EVOLUTION OF THE WESTERN PO PLAIN (NORTH-WESTERN ITALY)</b> <u>Mauro Bonasera; Matteo Redana; Giandomenico Fubelli; Simone Racano; Pietro Mosca; Gianfranco Fioraso; Walter Cattarossi</u>

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**AN ATTEMPT TO PREDICT THE DISASTER IN MAKING – A CASE STUDY FROM WESTERN HIMALAYA**

Ravindra Pratap Singh

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**NATURAL HAZARDS TRIGGERED BY THE INTENSE 2018 MONSOON IN THE KALI GANDAKI VALLEY, NEPAL HIMALAYA**

Monique Fort; Rainer Bell; Joachim Götz; Heidi Bernsteiner; Jürgen Etzlstorfer; Eva Posch; Narayan Gurung; Jean-Claude Bergès

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**LATE PLEISTOCENE ELEVATED WAVE-CUT PLATFORMS ALONG THE TYRRHENIAN COAST OF SOUTHERN APENNINES, ITALY**

Ciro Cerrone; Gaetano Robustelli; Alessandra Ascione

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**DEEP-SEATED GRAVITATIONAL SLOPE DEFORMATION DISPLACEMENT IN CENTRAL SARDINIA (WESTERN MEDITERRANEAN)**

Valentino Demurtas; Giacomo Deiana; Giandomenico Fubelli; Maria Teresa Melis; Paolo E. Orru

11:15 - 11:30 Coffee Break

**Argyriades Amphitheatre**

**11:30 - 12:30 Parallel Session 2.3.4**  
**S06. Geomorphological Hazards and Risks**  
**Chairs:** Takashi Oguchi, Helene Petschko

**ASSESSMENT OF BANK LINE DYNAMICS OF RIVER GANGA AND ITS IMPACT ON LAND USE PRACTICES USING LANDSCAPE METRICS IN MALDA DISTRICT, WEST BENGAL, INDIA**

Nilanjana Biswas; Soma Bhattacharya

**ASSESSMENT OF ROLE OF BIG DAMS AND WEATHER EXTREME IN 2017 FLOOD OF SOUTHERN BENGAL, INDIA**

Kapil Ghosh; Sunil Kumar De

**DAM FAILURE AND A CATASTROPHIC FLOOD IN THE MEKONG BASIN (BOLAVEN PLATEAU), LAOS, 2018**

Edgardo Latrubesse; Kerry Sieh; Thanh Dang; Yunung Nina Lin; Sang-Ho Yun

**Drakopoulos Amphitheatre**

**11:30 - 13:15 Parallel Session 2.4.7**  
**S11. Seismic Geomorphology**  
**S13. Tectonic Geomorphology**  
**Chairs:** Giandomenico Fubelli, Efthimios Karymbalis

**MORPHO-TECTONIC APPRAISAL OF PENINSULAR INDIA BY COMPREHENSIVE MORPHOMETRIC INVESTIGATIONS**

Veena Joshi; Prakash Joglekar

**NEW DATA FOR RECONSTRUCTING THE LANDSCAPE CHANGES IN THE WESTERN PLAIN (PHAISTOS, CRETE, GREECE) FROM THE GEOMETRIC PERIOD TO THE EARLY BYZANTINE TIMES: ASSESSMENT OF THE SHIFTS IN HUMAN LAND-USE AND THE IMPACT OF CLIMATE CHANGES**

Matthieu Ghilardi; Jordi Revelles; Arthur Glais; Katerina Theodorakopoulou; Tatiana Theodoropoulou; Laurent Lespez; Fausto Longo; Amedeo Rossi

**GEOMORPHOLOGICAL AND MORPHOTECTONIC FEATURES IN CHINGAZA NATURAL NATIONAL PARK (LA PLAYA RIVER BASIN) AND MOCOA, COLOMBIA, SOUTH AMERICA**

Diana Lozano; Julio Fierro-Morales; Lina Pérez

	<b>CONFINED HYPOGENIC CAVES IN THE SOUTHERN LEVANT: PALEOGEOGRAPHIC IMPLICATIONS</b> Amos Frumkin; Boaz Langford; Sorin Lisker; Alon Amrani	<b>ACTIVE TECTONICS AND PALEOSEISMICITY OF A TRANSVERSE LINEAMENT IN THE RIVER VALLEY (UMBRIA-MARCHE APENNINE, CENTRAL ITALY)</b> Francesco Dramis; Marco Materazzi; Gilberto Pambianchi; M. Di Leo
12:35 - 13:15	<b>Sponsor presentations</b> <b>Chairs:</b> Leonidas Stamatopoulos, Konstantinos Vouvalidis	<b>GEOMORPHOMETRY-BASED APPROACH TO MORPHOTECTONIC SUBDIVISION AND REGIONALIZATION, THE SUDETES, CENTRAL EUROPE</b> Piotr Migon; Mariusz Szymanowski; Milena Rózycka; Kacper Jancewicz
	<b>OLYMPIA ODOS</b> <b>INFLUENCE OF THE KORINTHIAKOS GULF GEOMORPHOLOGICAL CONDITIONS ON OLYMPIA ODOS DESIGN</b> Alexandra Mavroeidi, Engineering Geologist, Olympia Odos	<b>RECENT TECTONIC ACTIVITY OF THE WESTERN PART OF THE CARPATHO-BALKAN OROGEN: STRUCTURAL STUDY OF FAULT ACTIVITY IN CAVES</b> <u>Ana Mladenovic</u> ; Jelena Calic
	 <b>NHREAS Engineering</b> Christos Petropoulos, MSc Geologist Water Science & Technology	 <b>DEFORMATION AND UPLIFT OF A RELICT COASTAL LANDSCAPE, COMBINING GEOLOGICAL, GEOMORPHOLOGICAL AND GEODETIC SAR INTERFEROMETRY (INSAR) MEASUREMENTS: EVIDENCE ALONG THE CARBONATE PLATFORM OF DAGMAR-DIBAB, NE OMAN</b> <u>Kosmas Pavlopoulos</u> ; Daniel Moraetis; Michael Michael Foumelis; Andreas Scharf; Frank Mattern; Haifa Ben Romdhane
13:15 - 14:15	Lunch Break	
		<b>Poster Area</b>
14:15 - 15:00	<b>Poster Session</b> <b>S03. Coastal geomorphology and Morphodynamics</b> <b>S08. Human Impacts on Geomorphic Systems</b> <b>S13. Tectonic Geomorphology</b> <b>S10. Quantifying land surface processes with high-resolution topography and terrain analysis</b> <b>Chairs:</b> Efthymios Karymbalis, Spyridon Pavlides	<b>P.2.01 AUTOMATIC COASTLINE EXTRACTION TOOL (CET) BASED ON VERY-HIGH RESOLUTION WORLDVIEW SATELLITE IMAGERY</b> <u>Fran Domazetović</u> ; Ante Šiljeg; Nina Lončar; Ivan Marić; Mirko Barada

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**P.2.02 MONITORING COASTAL KARST TOPOGRAPHY AND ITS CHANGE USING HIGH SPATIO-TEMPORAL RESOLUTION UAV PHOTGRAMMETRY IN KRAKAL COASTAL AREA, YOGYAKARTA, INDONESIA**

Hendy Fatchurohman; Muh Aris Marfai

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**P.2.03 ANALYSIS OF RIVER ERODING AND TECTONIC UPLIFT ALONG THE WESTERN ALBORZ MOUNTAINS (CASE STUDY: SHALMANROOD AND POLROOD RIVERS IN SOUTHWEST PLAINS OF CASPIAN SEA, NORTH OF IRAN)**

Hadi Karimi; Zahra Hajikarimi

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**P.2.04 NEARSHORE SEDIMENT DYNAMICS IN RELATION TO COASTAL EVOLUTION: SATELLITE RETRIEVALS AND IN-SITU MEASUREMENTS IN THE GULF OF ALEXANDROUPOLIS**

Katerina Karditsa; Athina Tsapanou; Serafeim Poulos

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**P.2.05 A COMPARATIVE STUDY OF BEACHROCK MECHANISM FORMATION FOCUSING ON NATURAL AND ARTIFICIAL BEACHROCKS: CASE OF DIOLKOS, CORINTH, GREECE AND SUMUIDE, OKINAWA, JAPAN**

Giannis Saitis; Eleni Koutsopoulou; Niki Evelpidou; Satoru Kawasaki

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**P.2.06 HOLOCENE RELATIVE SEA-LEVEL CHANGES ALONG THE SOUTHERN SHORE OF THE ARABIAN GULF: A REVIEW**

Damien Arhan; Kosmas Pavlopoulos; Eric Fouache

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**P.2.07 THE MORPHO-EVOLUTION OF DOÑA BLANCA (BAY OF CÁDIZ, SPAIN) COASTAL AREA SINCE PHOENICIAN TIME: NATURAL AND ANTHROPOGENIC FORCING**

Pietro P.C. Aucelli; Claudia Caporizzo; Aldo Cinque; Gaia Mattei; Gerardo Pappone; Michele Stefanile

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**P.2.08 BOULDER DEPOSITS ON THE SOUTHEASTERN COAST OF CYPRUS AND THEIR RELATION WITH PALEOTSUNAMI EVENTS OF THE EASTERN MEDITERRANEAN**

Niki Evelpidou; Costas Synolakis; Christos Zerefos; Christos Repapis; Anna Karkani; Miltiadis Polidorou; Ioannis Saitis

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**P.2.09 LONGSHORE DRIFT CONVERGENCE IN EMBAYMENTS**

Junia Kacelenbogen Guimarães; Paulo James Oliveira; José Maria Landim Dominguez

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**P.2.10 A COMPARATIVE STUDY OF SEASONAL CHANGES OF THE SEDIMENTOLOGICAL AND GEOMORPHOLOGICAL CHARACTERISTICS OF MYLOPOTAS AND MANGANARI BEACH IN IOS ISLAND, CYCLADES (GREECE).**

Apostolia Komi; Alexandros Petropoulos; Niki Evelpidou; Serafim Poulos; Vasilis Kapsimalis

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**P.2.11 THE ROLE OF THE WAVE REGIME IN BEACH ZONE MORPHOLOGICAL CHANGES: AN EXAMPLE FROM THE NORTHERN COAST OF MESSINIAKOS GULF (IONIAN SEA)**

Sylvia-Vasiliki Koumpou; Fragiska-Carmella Gad; Maria Hatzaki; Stelios Petrakis; Aikaterini Karditsa; Vasilios Kapsimalis; Serafim Poulos

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**P.2.12 BEACHROCK FORMATION MECHANISM THROUGH MINEROCHEMICAL ANALYSIS AND CEMENT CHARACTERISTICS. CASE STUDY W. AKROTIRI PENINSULA, CYPRUS.**

Giannis Saitis; Miltiadis Polidorou; Niki Evelpidou

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**P.2.13 WHATEVER HAPPENED TO THE COASTAL WETLANDS OF ATTICA, GREECE?**

Hariklia Skilodimou; George Bathrellos; Hampik Maroukian

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**P.2.14 COASTAL VULNERABILITY ASSESSMENT ALONG THE NORTH-EASTERN SECTOR OF GOZO ISLAND (MALTA, MEDITERRANEAN SEA)**

Anton S. Micallef; George Buhagiar; Angela Rizzo; Vittoria Vandelli; Mauro Soldati

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**P.2.15 ROCK FALLS AND CLIFF RETREAT RATES IN PYROCLASTIC SLOPES: THE CASE STUDY OF THE PHLEGREAN COAST (SOUTHERN ITALY)**

Ettore Valente; Melania De Falco; Giovanni Forte; Nicoletta Santangelo; Antonio Santo

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**P.2.16 ASSESSING THE COASTAL VULNERABILITY DERIVED FROM BOTH NATURAL AND ANTHROPOGENIC PROCESSES, ESTIMATING CVI AND TVI AT TOURISM DESTINATIONS: THE CASE OF RHODES ISLAND, GREECE**

Dimitris Vandarakis; Kalliopi Kyriakou; Vasiliki Loukaidi; Aikaterini Kikaki; Fragiska-Carmella Gad; Chara Kyriakidou; Evangelos Sourianos; Vassilios Kapsimalis; Paraskevi Drakopoulou; Georgios-Aggelos Hatiris; Ioannis Panagiotopoulos; Maria Chatzinaki

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**P.2.17 THE INFLUENCE OF FORESTRY ON RELIEF TRANSFORMATIONS IN THE WESTERN TATRA MOUNTAINS (POLAND)**

Joanna Fidelus-orzechowska; Anna Chrobak

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**P.2.18 EFFECTS OF DAM ON UPSTREAM RIVER MORPHOLOGY (CASE STUDY: TALEGHAN RIVER, IRAN)**

Somaiyeh Khaleghi; Seyyed Hassan Sadough; Mahnaz Khodayari

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**P.2.19 ANTROPOGENIC INTERFERENCE IN THE LANDSCAPE'S WATER PRODUCTION CAPACITY: RIO DO BRAÇO SUB-BASIN, SOUTHERN BAHIA, BRAZIL**

Danusa Oliveira Campos; Claudia Mendes Cordeiro

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**P.2.20 GEOMORPHOLOGICAL CAPACITY OF WATER PRODUCTION AND ITS RELATIONSHIP WITH URBAN ENVIRONMENTAL RISK: SUB-BASIN OF THE TIRIRI RIVER, SOUTHERN BAHIA, BRAZIL**  
**Claudia Mendes Cordeiro; Danusa Oliveira Campos**

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**P.2.21 INTERACTIONS BETWEEN HUMAN ACTIVITIES AND GEOMORPHIC PROCESSES IN A MOUNTAIN AND PIEDMONT FARMING CONTEXT, ARGENTINA**

Juan Manuel Susena; Tejerina Juan Remondo; Rodolfo Osvaldo Gentile

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**P.2.22 ENVIRONMENTAL REHABILITATION OF DISMISSED QUARRY AREAS IN THE EMILIA APENNIINES (ITALY) WITHIN A COMMUNITY MASTER PLAN**

Vittoria Vandelli; Paola Coratza; Mauro Soldati

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**P.2.23 ANALYSIS OF POPULATION VULNERABILITY TO DEBRIS FLOW AND FLASH FLOODS IN SÃO PAULO – BRAZIL USING THE SPATIAL APPROACH TO VULNERABILITY ASSESSMENT (SAVE) METHOD**

Luzia Matos, Carlos Bateira, Antônio Costa, Bianca Carvalho Vieira

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**P.2.24 ORIGIN OF WAVE-LIKE SEDIMENTARY STRUCTURES IN THE NORTHERN DEAD SEA, ISRAEL - TURBIDITY CURRENTS OR EARTHQUAKE TRIGGERED SEDIMENT FAILURE?**

Lisa Coianiz; Ovie Emmanuel Eruteya; Michael Lazar; Zvi Ben-avraham

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**P.2.25 SEAFLOOR STRUCTURE OF ARGOSTOLI BAY**

Aikaterini Giannikopoulou; Niki Evelpidou; Scott Harris; Serafim Poulos

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**P.2.26 GEOMORPHOLOGICAL EVIDENCE OF SURFACE EFFECTS INDUCED BY THE AUGUST-OCTOBER 2016 EARTHQUAKE SEQUENCE ALONG THE MT. VETTORE-MT. BOVE FAULT (UMBRIA-MARCHE, CENTRAL ITALY)**

D. Aringoli; Margherita Bufalin; Francesco Dramis; P. Farabolini; Giandomenico Fubelli; Marco Materazzi; G. Pambianchi

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**P.2.27 REVEALING QUATERNARY TECTONIC ACTIVITY IN NORTHERN ABRUZZO PERI-ADRIATIC SECTOR (CENTRAL ITALY) BY DRAINAGE SYSTEM QUANTITATIVE ANALYSIS**

Simone Racano; Mauro Bonasera; Giandomenico Fubelli; Ernesto Centamore; Francesco Dramis

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**P.2.28 MORPHOMETRIC ANALYSIS OF THE SOUTHERN BORDER OF THE MITIDJA BASIN (ALGERIA)**

Aicha Heddar; Christine Authemayou; Hamoud Beldjoudi; Karim Yelles-Chaouche

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**P.2.29 ASSESSMENT OF RELATIVE TECTONIC ACTIVITY IN THE TRICHONIS LAKE GRABEN (WESTERN GREECE) USING GEOMORPHOMETRY AND ARTIFICIAL INTELLIGENCE**

Efthymios Karympalis; Kanella Valkanou; Giandomenico Fubelli; Maria Ferentinou; Philip Giles; Dimitris Papanastassiou; Kalliopi Gaki-Papanastassiou; Konstantinos Tsanakas; Vasilios Kapsimalis

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**P.2.30 INITIAL STAGES AND EVOLUTION OF EARTH-SURFACE PROCESSES IN AOOS, ARACHTHOS, KALAMAS, LOUROS, AND ACHERONTAS RIVERS (GREECE)**

Dimitrios Ntokos

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**P.2.31 COMPARISON OF GROWTH AND DEVELOPMENT OF A DRAINAGE NETWORK AND ITS RELEVANT BASINS**

Dimitrios Ntokos; Panagiota Ntokou

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**P.2.32 TECTONIC PROCESS VERSUS FLUVIAL EROSION IN THE SHAPING OF WESTERN PO PLAIN AND POIRINO PLATEAU BOUNDARY, NW ITALY.**

Matteo Redana; Mauro Bonasera; Giandomenico Fubelli; Gianfranco Fioraso; Roberto Ajassa

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**P.2.33 TECTONIC AND TERRITORY: "THE CONTROLLED LAND-USE PLANNING"**

Aixa Rodríguez; Patricia Martinez

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**P.2.34 QUALITATIVE ESTIMATION OF VERTICAL CRUSTAL VELOCITIES USING MORPHOSTRUCTURAL ANALYSIS ON THE EXAMPLE OF THE WHITE SEA SOUTHEASTERN COAST**

Anton Romanov

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**P.2.35 DIFFERENTIAL UPLIFT OF THE EASTWARD MOUNTAIN FRONT OF OLYMPUS MT (GREECE) BASED ON TECTONIC GEOMORPHOLOGY OBSERVATIONS**

Philip Sakellaropoulos; Emmanuel Vassilakis; Markos Tranos; Stelios Lozios

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**P.2.36 AGE ESTIMATES OF DENUDATION PROCESSES IN THE SOUTHERN BAURU SEDIMENTARY BASIN (BRAZIL)**

Leonardo Jose Santos; Adriano Goulart; Lionel Siame

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**P.2.37 RELIEF RESPONSE OF TWO "TWIN" MOUNTAIN RANGES TO ASYMMETRICAL UPLIFT INFERRRED FROM MORPHOMETRIC ANALYSIS (CENTRAL WESTERN CARPATHIAN)**

Jacek Szczygiel; Bartosz Wołosiewicz; Krzysztof Gaidzik; Juraj Littva

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	<b>Argyriades Amphitheatre</b>		<b>Drakopoulos Amphitheatre</b>
15:00 - 16:30	<b>Parallel Session 2.5.6</b> <b>S03. Coastal geomorphology and Morphodynamics</b> <b>Chairs:</b> Niki Evelpidou, Matthieu Gillardi	15:00 - 16:30	<b>Parallel Session 2.6.6</b> <b>S11. Seismic Geomorphology</b> <b>S13. Tectonic Geomorphology</b> <b>Chairs:</b> Spyros Bellas, Efthymios Karymbalis
	<b>RECONSTRUCTING THE RELATIVE SEA LEVEL AND THE PALEO-SHORELINE DURING THE 1ST CENTURY BC IN THE UNSTABLE CAMPI FLEGREI CALDERA (SOUTHERN ITALY)</b> Pietro P.C. Aucelli; <u>Claudia Caporizzo</u> ; Aldo Cinque; Gaia Mattei; Gerardo Pappone; Michele Stefanile		<b>CHANNEL RESPONSE TO QUATERNARY TECTONICS AND PHYSIOGRAPHIC ATTRIBUTES ON THE HIMALAYAN FORELAND BASIN IN WEST BENGAL, INDIA; A STUDY ON TORA RIVER</b> <u>Ujwal Deep Saha</u> ; Soma Bhattacharya; H. N. Bhattacharya

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**LAND-SEA DATA CORRELATION  
FROM THE MT. MASSICO COASTAL  
ZONE, ITALY: SEISMIC VS LOG DATA  
INTERPRETATION**

Vincenzo Amato; Pietro Aucelli; Giuseppe Corrado; Paola Di Leo; Gerardo Pappone; Marcello Schiattarella

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**COASTAL EROSION AND HARD  
DEFENSE STRUCTURES ALONG THE  
MOLISE COAST (SOUTHERN ITALY):  
ASSESSMENT OF POSSIBLE KEY  
FACTORS IN THE EVOLUTION OF THE  
COASTAL SYSTEM**

Gianluigi Di Paola; Mariano Buccino; Margherita C. Ciccaglione; Carmen M. Rosskopf

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**DETERMINATION OF TSUNAMI  
EVACUATION ROUTE BASED ON  
DETAILED DIGITAL ELEVATION MODEL  
IN GUNUNGKIDUL COASTAL AREA,  
JAVA, INDONESIA**

Hendy Fatchurohman; Muh Aris Marfai

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**CLOSE RANGE PHOTGRAMMETRY AT  
TIDAL AND NEAR-TIDAL ZONE**

Stefano Furlani; Vanja Macovaz; Valeria Vaccher

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**IMPACT OF COASTAL STRUCTURES  
ON SHORELINE BEHAVIOUR – A CASE  
STUDY FROM SW COAST OF INDIA**

Vipin Joseph Markose; G. S. Dwarakish

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**GEOMORPHOLOGICAL ANALYSIS OF  
THE SEAFLOOR AND IMPLICATIONS  
FOR OFFSHORE ACTIVE AND RECENT  
GEOLOGICAL PROCESSES AND GEO-  
HAZARDS IN THE AEGEAN AND THE  
HELLENIC TRENCH**

Dimitris Sakellariou; Paraskevi Drakopoulou; Grigoris Rousakis; Vassiliki Loukaidi; Ioannis Morfis; Chara Kyriakidou; Isidoros Livanos; Konstantina Tsampouraki-kraounaki; Kyriaki Manta

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**THE TAIL DOESN'T WAG THE DOG:  
ASYMMETRY OF THE ANDES OROGEN  
DRIVEN BY THE GEOMETRY OF THE  
SUBDUCTING NAZCA SLAB**

Pedro Val; Jane Willenbring

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**CONSTRAINING MOUNTAIN  
FRONT ACTIVITY IN ACTIVE  
EXTENSIONAL SETTING BY TECTONIC  
GEOMORPHOLOGY: CASE STUDIES  
FROM THE SOUTHERN APENNINES  
(ITALY)**

Ettore Valente; Alessandra Ascione

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**SALT TECTONICS AND THIN-SKINNED  
CONTRACTUAL DEFORMATION  
IN THE LEVANT BASIN: INSIGHTS  
FROM SEISMIC INTERPRETATION AND  
PHYSICAL EXPERIMENTS**

Thomai Anagnostoudi; Bruno C. Vendeville; Virginie Gaullier; Uri Schattner; Michael Lazar

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**RECOGNITION OF AREAS  
OF ENHANCED EROSION –  
LITHOLOGICAL VERSUS TECTONIC  
CONTROLS DECIPHERED FROM  
GEOMORPHOMETRIC AND STATISTICAL  
APPROACH (ORLICKIE-BYSTRZYCKIE  
MOUNTAINS BLOCK, SUDETES,  
CENTRAL EUROPE)**

Milena Różycka; Piotr Migoń

16:30 - 17:00	Coffee Break
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	Argyriades Amphitheatre		Drakopoulos Amphitheatre
17:00 - 18:30	<b>Parallel Session 2.7.6</b> <b>S03. Coastal geomorphology and Morphodynamics</b> <b>Chairs:</b> Niki Evelpidou, Matthieu Gillardi	17:00 - 18:30	<b>Parallel Session 2.8.6</b> <b>S08. Human Impacts on Geomorphic Systems</b> <b>Chairs:</b> Dan Balteanou, Allan James
	<b>THE COASTAL MORPHOEVOLUTION OF NAPLES SINCE 6000 YEARS BP: NEW INSIGHTS FOR PIZZOFALCONE PROMONTORY</b> <u>Pietro P.c. Aucelli; Claudia Caporizzo; Gaia Mattei; Gerardo Pappone</u>		<b>IMPACT OF HUMAN INTERVENTION ON AGGRAVATING FLUVIAL HAZARDS: A CASE STUDY ALONG A PART OF NAGAVALI RIVER IN RAYAGADA DISTRICT, ORISSA</b> <u>Shreya Bandyopadhyay; Sunil Kumar De</u>
	<b>PALEOECOLOGICAL TRACERS OF MARINE-FRESHWATER TRANSITIONS DURING THE EARLY TO MID HOLOCENE DANUBE DELTA BUILD-UP</b> <u>Florin Pendea; Alfred Vespremeanu-Stroe; Sabin Rotaru; Laurențiu Țuțuiuianu; Diana Hanganu; Luminița Preoteasa</u>		<b>THE JESSOUR OF SOUTHEAST TUNISIA: AN EFFECTIVE ANCESTRAL HYDRO-AGRICULTURAL SYSTEM IN AN ARID ENVIRONMENT</b> <u>Tarek Ben Fraj; Martin Calianno; Hédi Ben Ouezdou; Jean Michel Fallot; Emmanuel Reynard; Marianne Milano; Mohamed Abbassi; Thierry Adatte</u>
	<b>BIOTURBATION VIS-À-VIS SEDIMENT DISPERSAL IN A RETROGRADATIONAL DELTA: SAGAR ISLAND, HUGLI ESTUARY, INDIA</b> <u>Pritam Kumar Santra; Abhijit Chakraborty; Sunando Bandyopadhyay</u>		<b>THE GEOMORPHOLOGIST AS A GEOMORPHOLOGICAL AGENT</b> <u>Sandra Brizga</u>
	<b>MORPHOLOGICAL CHANGE IN THE SHIPPING CHANNELS OF THE HUGLI ESTUARY, INDIA, AND ITS IMPACT ON NAVIGATION</b> <u>Aparajita Sen; Sunando Bandyopadhyay</u>		<b>ANTHROPOGEOMORPHOLOGY OF THE LOWER DELTAIC WEST BENGAL, INDIA</b> <u>Sayantan Das; Nabendu Sekhar Kar; Sunando Bandyopadhyay</u>
	<b>USING SATELLITE IMAGES TO DETECT UNDERWATER FEATURES ALONG DANUBE DELTA UPPER SHOREFACE</b> <u>Florin Tatru; Sorin Constantin</u>		<b>IMPACT OF HUMAN ACTIVITIES ON THE DYNAMICS OF BRAIDING IN THE LOWER COURSE OF THE BALASAN RIVER, WEST BENGAL, INDIA</b> <u>Sunil Kumar De; Sovanlal Mukhopadhyay</u>
	<b>COASTAL EVOLUTION OF THE TWO NATURAL RESERVES OF THE TIDELESS BLACK SEA AND BALTIC SEA: SIMILARITIES, DISCORDANCES AND CYCLIC ALTERNATING EVOLUTIONARY TRENDS</b> <u>Alfred Vespremeanu-Stroe; Marius Pîrvan; Florin Tătui; Florin Zăinescu</u>		<b>FLUVIAL CHANGES CAUSED BY HYDRAULIC MINING IN CALIFORNIA: AN EXTREME EXAMPLE OF ANTHROPOGENIC SEDIMENTATION</b> <u>Allan James</u>
20:30	<b>Social Dinner</b>		

## Saturday 21 September 2019

Ceremonial Hall			
09:00 - 09:30	<b>Keynote Lecture 3.1.1</b> <b>Chairs:</b> Hampik Maroukian, Dimitris Sakellariou  <b>"Sandstone and Conglomerate Landforms – a (partly) Neglected Topic in Geomorphology"</b> Piotr Migoń		
	<b>Argyriades Amphitheatre</b>		
09:30 - 11:00	<b>Parallel Session 3.1.6</b> <b>S12. Submarine Geomorphology</b> <b>Chairs:</b> Serafim Poulos, Alessandra Savini	09:30 - 11:00	<b>Parallel Session 3.2.6</b> <b>S08. Human Impacts on Geomorphic Systems</b> <b>Chairs:</b> Dan Balteanou, Anna Karkani
	<b>THE EVOLUTION OF THE ISRAELI CONTINENTAL SHELF SINCE THE MIDDLE PLEISTOCENE: A SEISMIC GEOMORPHOLOGICAL PERCEPTION</b> Nicolas Waldmann; Or Bialik; Yizhaq Makovsky; Yakufu Niyazi; Mor Arnon		
	<b>ELLIPTICITY OF MEGA-POCKMARKS IN THE PATAGONIAN CONTINENTAL MARGIN: AN INTERPLAY BETWEEN TECTONIC STRUCTURE AND OCEAN CURRENTS</b> José Isola; Juan Ormazabal; Gonzalo Flores; Sebastian Arismendi; María Druet; Araceli Muñoz; María Gómez; José Del Río; Silvia Etienot; Néstor Bolatti; Alejandro Tassone		
	<b>THE RETROGRESSIVE DYNAMIC OF SUBMARINE LANDSLIDES OFF THE ISRAELI SHORES ANALYZED USING HIGH RESOLUTION SEISMIC</b> Oded Katz; Omri Gadol; Mor Kanari; Yizhaq Makovsky		
	<b>VERTICAL VOLCANO-TECTONIC DEFORMATION RECONSTRUCTION BASED ON GEOMORPHOLOGICAL SEA-LEVEL MARKERS: A CASE STUDY OF THE CAMPI FLEGREI OFFSHORE CALDERA</b> Camilla Marino; Luigi Ferranti; Jacopo Natale; Marco Sacchi		
	<b>MACHINE LEARNING SPATIAL PREDICTIVE MODELING IN TISLER REEF (NORWAY)</b> Maria Elissavet Thomadaki; Iason-Zois GazisJens Greinert		
	<b>MOVING FROM LAND DEGRADATION ASSESSMENT DATA TO INFORMED DECISION MAKING AT COUNTRY LEVEL: A CASE STUDY FROM SOUTH AFRICA</b> Lehman Lindeque; Heinz Beckedahl		
	<b>RECENT DISTURBANCES IN THE COASTAL STABILITY DUE TO HUMAN INTERVENTIONS ALONG WEST COAST OF INDIA</b> Rafeeqe MK; Akhil T; Mintu E George, D.s. Suresh Babu		
	<b>RECASTING GEOMORPHOLOGY AS LANDSCAPE SCIENCE</b> Olav Slaymaker; Thomas Spencer; Christine Embleton-hamann		
	<b>LITHOLOGICAL AND GEOCHEMICAL FEATURES OF SEDIMENTS AS THE INDICATORS OF HUMAN IMPACT ON ALLUVIA OF LOWLAND MEANDERING RIVERS - A CASE STUDY OF LIWIEC RIVER, EAST POLAND</b> Ewa Smolska; Emilia Bala; Piotr Zwarczewski		
	<b>OLEDER SETTLEMENT IMPACT ON MORPHOLOGY OF THE RIVER FLOODPLAINS: THE VICINITY OF WARSAW CASE STUDY</b> Irena Tsermegias; Urszula Zawadzka-Pawlewska; Ewa Smolska; Dorota Giriat		

	<b>SPATIAL QUANTITATIVE MAPPING OF POLYMETALLIC NODULES BASED ON AUV DATA AND MACHINE LEARNING</b> <u>Iason-Zois Gazis; Jens Greinert; Timm Schoening</u>		<b>AGE EVOLUTION AND GEOMORPHIC DEVELOPMENT OF AKROTIRI PROMONTORY SAND DUNES, CYPRUS</b> <u>Miltiadis Polidorou; Niki Evelpidou</u>
11:00 - 11:15	Coffee Break		
	<b>Argyriades Amphitheatre</b>		<b>Drakopoulos Amphitheatre</b>
11:15 - 13:00	<b>Parallel Session 3.3.7</b> <b>S09. Karst Geomorphology</b> <b>Chairs:</b> Francisco Gutierrez, Aurel Persoianu	11:15 - 13:00	<b>Parallel Session 3.4.7</b> <b>S14. UNESCO Global Geoparks</b> <b>Chairs:</b> Paola Coratza, Emmanuel Reynard, Nikolaos Zouros
	<b>ENVIRONMENTAL KARST GEOMORPHOLOGY: APPROACHES AND GOALS IN GREECE</b> <u>Miljana Golubovic Deligianni</u>		<b>THE VALUE OF HANZHONG TIANKENG GROUP APPLYING FOR UNESCO WORLD GEOPARK</b> <u>Hong Bai</u>
	<b>CHARACTERIZING AND MONITORING A DAMAGING SINKHOLE IN AN URBAN AREA USING NON-INVASIVE TECHNIQUES: HIGH-PRECISION LEVELING AND GPR. MANTLED EVAPORITE KARST OF ZARAGOZA CITY, SPAIN</b> <u>Jorge Sevil; Francisco Gutiérrez; Domingo Carbonel; Gloria Desir; Josechu Guerrero; Ivan Fabregat; Ángel García-Arnay; Juliana Mantovani</u>		<b>THE NATURAL RESERVE OF THE SECCHIA RIVER FLOW REGULATION SYSTEM: A PLACE FOR FLOOD MITIGATION AND PEOPLE AMUSEMENT (PO PLAIN, ITALY)</b> <u>Doriano Castaldini; Paola Coratza; Alessia Galbiati</u>
	<b>HOLOCENE CLIMATIC VARIABILITY IN THE EASTERN ADRIATIC RECORDED IN CROATIAN STALAGMITES</b> <u>Nina Lončar; Sanja Faivre; Mira Bar-Matthews; Avner Ayalon; Maša Surić</u>		<b>ASSESSING GEODIVERSITY IN TIERRA DEL FUEGO (SOUTHERN PATAGONIA, ARGENTINA). A STRATEGY TO PROMOTE GEOTOURISM</b> <u>Andrea Maria Coronato; Soledad Schwarz</u>
	<b>GLACIAL AND PERIGLACIAL PROCESSES IN CAVES</b> <u>Aurel Persoianu</u>		<b>CULTURAL VALUES OF GEOMORPHOSITES AND ABIOTIC ECOSYSTEM SERVICES</b> <u>Lucie Kubalíkova</u>
	<b>THE ROLE OF ENDOLITHIC AND EPILITHIC BIOCRUSTS ON KARSTIFICATION IN COASTAL ZONE OF CASPIAN SEA</b> <u>Adel Sepehr</u>		<b>COMPARISON OF AERIAL AND TERRESTRIAL PHOTGRAMMETRY FOR 3D MAPPING OF PETRIFIED TREES, LESVOS GEOPARK</b> <u>Ermioni-Eirini Papadopoulou; Nikolaos Zouros; Christos Vasilakos; Nikolaos Soulakellis</u>

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**DID THE LAST GLACIATION DEEPEN  
THE VALLEY IN TATRA MTS.?  
IMPLICATIONS FROM U-TH-DATING OF  
(EPI)PHREATIC CAVES**

Jacek Szczygiel; Helena Hercman; Michał Gąsiorowski

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**GEOMORPHIC UNITS MAPPING  
OF FLUVIOKARST LANDSCAPES IN  
CENTRAL BRAZILIAN HIGHLANDS**

Rogerio Uagoda; Yawar Hussain; Cristiano Ferreira; Maria Rita Fonseca; Adivane Nogueira; Dandara Caldeira; André Tavares; José Gustavo Nunes; Bárbara Costa

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**PRELIMINARY GEOHERITAGE  
ANALYSIS FOR THE CREATION OF A  
GEOPARK IN THE DAHAR REGION,  
SOUTHEAST TUNISIA**

Emmanuel Reynard; Tarek Ben Fraj; Hédi Ben Ouezdou; Aziza Ghram Messedi; Mohamed Ouaja; Mélanie Clivaz; Nouri Boukhchim

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**QUANTITATIVE ASSESSMENT OF  
GEOHERITAGE IN MALTA (CENTRAL  
MEDITERRANEAN)**

Lidia Selmi; Paola Coratza; Ritienne Gauci; Mauro Soldati

13:00 - 14:00

Lunch Break

**Poster Area**

14:00 - 15:15

**Poster Session**

**S01. Advancing theory and modelling of river systems**

**S02. Anthropocene, Geoarchaeology and Society**

**S09. Karst Geomorphology**

**S12. Submarine Geomorphology**

**S14. UNESCO Global Geoparks (Geoheritage, Assessment and Management - Geotourism Development)**

**Chairs:** Konstantinos Albanakis, Konstantinos Vouvalidis

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**P.3.01 ANALYSIS OF FLOOD DYNAMICS USING SENTINEL-1 TIME SERIES IN THE BANANAL ISLAND, BRAZIL**

Osmar Abílio de Carvalho Júnior; Roberto Arnaldo Trancoso Gomes; Renato Fontes Guimarães; Hugo Crisóstomo de Castro Filho; Anesmar Olino de Albuquerque

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**P.3.02 PREDICTION OF MONTHLY TIME SERIES OF SUSPENDED SEDIMENTS USING FUZZY SETS**

Theodoros Gournelos; Vasileios Kotinas; Nikolaos-Artemios Gournelos

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**P.3.03 EVALUATION AND VALIDATION OF CRYOSAT-2-DERIVED WATER LEVELS BY IN-SITU LAKE DATA FROM CHINA**

Zhaofei Liu; Zhijun Yao

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**P.3.04 THE ROLE OF GROUNDWATER OUTFLOWS IN THE DEVELOPMENT OF CHANNEL HEADS AND DRAINAGE SYSTEM (POSTGLACIAL AREA IN NW POLAND)**

Małgorzata Mazurek

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**P.3.05 SANDSTONE AND CONGLOMERATE LANDFORMS – A (PARTLY) NEGLECTED TOPIC IN GEOMORPHOLOGY**

Piotr Migon

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**P.3.06 MORPHOLOGICAL ADJUSTMENTS AND PHYSICAL MECHANISM OF THE YINCHUAN PLAIN REACH OF THE UPPER YELLOW RIVER, CHINA**

Teng Su; He Qing Huang

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**P.3.07 ESTIMATION AND SPATIAL DISTRIBUTION OF THE EROSION AND ACCUMULATION RATES THROUGH RADIOISOTOPIC TRACER  $^{137}\text{CESIUM}$  IN THE MICRO-BASIN OF THE SAN LORENCITO RIVER, SAN RAMÓN, COSTA RICA.**

Katherine Vargas Arias; Mario Cubero Campos; Mauricio Badilla Figueroa; Christian Birkel

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**P.3.08 ANTRHOGENICALLY-INDUCED ECOLOGICAL RISKS IN SEDIMENTS OF AN URBAN STREAM, ÇANAKKALE, TURKEY**

Taylan Akarsu; Serkan Kükrer; Ahmet Evren Erginal

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**P.3.09 EXPERIENCE OF GPR RESEARCH AT THE GEOARCHAEOLOGICAL SITE "MAL'TA" (BAIKAL SIBERIA)**

Ivan Filinov; Alexandr Shchetnikov; Ekaterina Lipnina; Dmitry Lokhov

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**P.3.10 CURRENT STATE OF GEOMORPHOLOGICAL AND GEOARCHAEOLOGICAL RESEARCH IN THE HOLEDNÁ HILL (BRNO, CZECH REPUBLIC)**

Lucie Kubalikova; Karel Kirchner; Josef Unger

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**P.3.11 UPPER PALEOLITHIC SITE TUYANA – A MULTI-PROXY RECORD OF SEDIMENTATION AND ENVIRONMENTAL HISTORY DURING THE LATE PLEISTOCENE AND HOLOCENE IN THE TUNKA RIFT VALLEY, BAIKAL REGION**

Alexander Shchetnikov; Elena Bezrukova; Galina Matasova; Alexey Kazansky; Varvara Ivanova; Ivan Filinov; Fedora Khenzykhenova; Natalia Berdnikova; Ivan Berdnikov; Ekaterina Lipnina; Evgeniy Rogovskoi; Ivan Nechaev

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**P.3.12 IMPACT OF SEA LEVEL RISE AND ANTHROPOGENIC ACTIVITY ON THREE LAKES FROM THE LOWER DANUBE FLOODPLAIN IN MIDDLE AND LATE HOLOCENE, ROMANIA.**

Florin Pendea; Alfred Vespremeanu-Stroe; Sabin Rotaru; Laurentiu Tutuiu; Diana Hangau; Luminița Preoteasa

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**P.3.13 SEDIMENTOLOGICAL VARIABILITY OF THE HOLOCENE DEPOSITIONAL ENVIRONMENT OF ANTHEMOUNTAS RIVER VALLEY (NORTHERN GREECE)**

Sofia Doani; Iwona Hildebrandt-radke; Konstantinos Vouvalidis; Georgios Syrides

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**P.3.14 MEASUREMENTS OF THERMIC DAMAGE OF ANGKOR DIMENSION SANDSTONE USED FOR WORLD HERITAGE TEMPLES**

Tetsuya Waragai

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**P.3.15 CAVES IN GRANITE AND GRANITOID ROCK – THE CASE OF GOBHOLO CAVES IN ESWATINI (SWAZILAND)**

Mthobisi Masilela; Heinz Beckedahl; Natalie Haussmann

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**P.3.16 CLASTIC SEDIMENTARY DEPOSITS IDENTIFICATION INSIDE CAVES IN CENTRAL BRAZIL**

Dandara Caldeira, Adivane Nogueira, Rogerio Uagoda

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**P.3.17 THE USE OF UAV DERIVED DEM FOR MAPPING DOLINES IN THE ENVIRONMENTAL PROTECTION AREA OF "NASCENTES DO RIO VERMELHO", GOIÁS, BRAZIL**

Cristiano Ferreira; Jocy Cruz; Rogério Uagoda

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**P.3.18 COLLAPSE SINKHOLES ATTRIBUTABLE TO EVAPORITE DISSOLUTION IN KOTIDO CRATER, ARABIA TERRA**

Carlotta Parenti; Francisco Gutiérrez; Davide Baioni; Ángel García-Arnay; Jorge Sevil; Erika Luzzi

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**P.3.19 ORIGIN OF KARST DEVELOPMENT IN THE BOUKADIR REGION (CHLEF-ALGERIA)**

Meriem Lina Moulana; Mostefa Guendouz; Aurélia Hubert-Ferrari

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**P.3.20 SOIL MAPPING IN APA NASCENTES DO RIO VERMELHO, THROUGH THE ASSOCIATION BETWEEN DIRECT AND INDIRECT TECHNIQUES.**

José Gustavo Nunes; Rogério Uagoda

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**P.3.21 INFERRING THE GEOMORPHOLOGICAL DYNAMICS FROM THE STUDY OF PALEOCHANNALS: A CASE STUDY OF CENTRAL BRAZILIAN CERRADO**  
Adivane Nogueira; Rogério Uagoda; Dandara Caldeira

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**P.3.22 A GIS-BASED METHODOLOGY FOR THE DEFINITION OF SEAFLOOR BIOLOGICAL ZONES: THE MEDITERRANEAN AND BLACK SEAS EXAMPLE**  
Vassiliki Loukaidi; Paraskevi Drakopoulou; Maria Salomidi; Dimitris Sakellariou

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**P.3.23 ADVANCED MAPPING OF KOLUMBO SUBMARINE VOLCANO (SANTORINI) USING AUV "ABYSS"**  
Paraskevi Nomikou; Mark Hannington; Sven Petersen; Sandra Wind; Verena Heinath; Sabine Lange; Marcel Rothenbeck; Lars Triebe; Emanuel Wenzlaff

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**P.3.24 GEOLOGICAL AND GEOPHYSICAL INVESTIGATIONS OF THE MAIN MORPHOSEDIMENTARY FEATURES OF THE PATAGONIAN CONTINENTAL MARGIN: NEW DATA ACQUIRED ON BOARD OF THE AUSTRAL R/V**

Sebastian Principi; Federico Esteban; José Isola; Juan Ormazabal; Fermin Palma; Cesar Artunduaga; Graziella Bozzano; Emilia Bravo; Daniela Spoltore; Alejandro Tassone

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**P.3.25 DETAILED BATHYMETRY AROUND METHANA PENINSULA, SARONIC GULF**

Danai Lampridou; Paraskevi Nomikou; Karsten Haase; Christoph Beier

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**P.3.26 SUBMARINE CANYONS ALONG THE SOUTHWESTERN CRETE**

Danai Lampridou; Dimitrios Papanikolaou; Paraskevi Nomikou; Grigoris Rousakis; Vasileios Lykousis

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**P.3.27 TESTING SUBMARINE APPLICATION OF PLANETARY GEOLOGIC MAPPING METHODOLOGIES: INTERSECTING REFLECTION SEISMIC PROFILES WITH GEOMORPHOLOGIC MAPPING OF THE SEAFLOOR IN THE SANTORINI VOLCANIC GROUP**

Alexandra Huff; Paraskevi Nomikou; Lisa Skinner

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**P.3.28 MORPHOSEDIMENTARY ANALYSIS OF THE SLOGGETT SUBMARINE CANYON AND ITS REGIONAL IMPLICATIONS. NW SCOTIA SEA.**

Fermin Ignacio Palma; Federico Damián Esteban; José Isola; Sebastián Principi; Juan Pablo Ormazabal; Graziella Bozzano; Daniela Spoltore; María Emilia Bravo; César Artunduaga; Alejandro Tassone

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**P.3.29 SURFACE AND SUB-SURFACE FEATURES OF AN ACTIVE GAS SEEP IN MALVINAS BASIN (SW ATLANTIC OCEAN)**

Maria Emilia Bravo; Juan Pablo Ormazabal; Fermin Ignacio Palma; Federico Damián Esteban; José Isola; Sebastián Principi; César Artunduaga; Alejandro Alberto Tassone; Lisa Ann Levin

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**P.3.30 SEISMIC IMAGING OF SLOPE INSTABILITY ON THE NORTH-EASTERN IONIAN MARGIN (MEDITERRANEAN SEA)**

Alessandra Savini; Fabio Marchese; Giulia Lisi; Andrea Bistacchi; Claudio Pellegrini; David Lacopini

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**P.3.31 GEO-BIODIVERSITY AND CULTURAL ENVIRONMENT OF THE REGIONS SURROUNDING THE CORINTH GULF (GREECE)**

Varvara Antoniou; Paraskevi Nomikou; Konstantinos Papaspyropoulos; Othonas Vlasopoulos; Effrosyni Zafeirakopoulou; Pavlina Bardouli; Evangelia-varvara Chrysopoulou

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**P.3.32 THE SIGNIFICANCE OF GEOLOGICAL RESOURCES TOURISM DEVELOPMENT TO THE CULTURAL EXPLORATION OF MINORITY GROUPS AND THE ECONOMIC DEVELOPMENT OF POVERTY-STRICKEN AREAS**

Kai Feng

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**P.3.33 GEOMORPHOLOGICAL MAPPING AS ENRICHMENT OF CULTURAL HERITAGE: THE CASE STUDY OF QUARRY DUMP DEPOSITS OF THE APUAN ALPS (TUSCANY, ITALY)**

Linda Alderighi; Carlo Baroni; Maria Cristina Salvatore

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**P.3.34 FROM GEOMORPHOLOGICAL MAPPING TO GEOTOURIST MAPPING. CASE STUDY IN SOUTHEAST TUNISIA**

Tarek Ben Fraj; Aziza Gham Messedi; Hédi Ben Ouezdou; Christophe Lambiel; Mélanie Clivaz; Emmanuel Reynard; Vanessa Costa Mucivuna; Daniel Souza Dos Santos

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**P.3.35 INVESTIGATING THE GEOTOURISTIC POTENTIALITIES RELATED TO THE INSUBRIC LINE ALONG THE "TRAVERSATA DELLA VAL GRANDE" IN THE SESIA-VAL GRANDE GEOPARK**

Irene Bollati; Valeria Caironi; Beatrice Crosa Lenz; Enrico Zanoletti

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**P.3.36 ASSESSING GEODIVERSITY AND ABIOTIC ECOSYSTEM SERVICES WITHIN UNESCO GLOBAL GEOPARKS**

Sara Gentilini; Marco Giardino; Pal Thjømøe

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**P.3.37 GEOMORPHOSITES AS ENVIRONMENTAL HERITAGE IN THE PROPOSAL OF GEOPARK CAMINHOS DOS CANIÓNS DO SUL – SC/RS – BRAZIL**

Jairo Valdati, Yasmim Rizzolli Fontana Santos, Maria Carolina Villaça Gomes

	<b>Argyriades Amphitheatre</b>		<b>Drakopoulos Amphitheatre</b>
15:15 - 16:30	<b>Parallel Session 3.5.5</b> <b>S01. Advancing theory and modeling of river systems</b> <b>Chairs:</b> Heqing Huang, Konstantinos Tsanakas	15:15 - 16:30	<b>Parallel Session 3.6.5</b> <b>S02. Anthropocene, Geoarchaeology and Society</b> <b>Chairs:</b> George Papatheodorou, Konstantinos Vouvalidis
	<b>RIVER CHANNEL-PLANFORM ADJUSTMENTS: AN EVALUATION OF THE APPLICABILITY OF THE EQUILIBRIUM THEORY FOR ALLUVIAL RIVERS</b> <u>Heqing Huang; Guoan Yu; Teng Su</u>		<b>MONITORING IMPERCEPTIBLE VERTICAL MOTIONS NEAR THESSALONIKI, GREECE, WITH REMOTE SENSING, GNSS AND VERY HIGH PRECISION LEVELLING METHODS</b> <u>Antonios Mouratidis; Panagiotis Kalaitzis; Christos Domakinis; Polyvios Vladenidis; Michael Foumelis; Dimitrios Ampatzidis; Triantafyllia-maria Perivolioti; Evangelos Giataganas; Dimitrios Chatzioannou; Sotirios Kechagias; Konstantinos-vasileios Katsambalos</u>
	<b>GEOMORPHOLOGY AND SUSPENDED SEDIMENT TRANSPORT OF THE SECOND LARGEST RIVER OF SOUTHEAST ASIA: THE IRRAWADDY RIVER, MYANMAR</b> <u>Edgardo Latrubesse; Edward Park; Jana S. X. Lim</u>		<b>SALT PANS AS NEW ARCHAEOLOGICAL SEA-LEVEL PROXY, TEST CASE FROM MAKIRINA COVE, DALMATIA, CROATIA</b> <u>Benny Bechor; Dorit Sivan; Maja Grisonic; Slobodan Miko; Ozren Hasan; Anna Brook</u>
	<b>THE ROLE OF THE NEOTROPICAL DRY-FOREST DYNAMIC OVER NATURAL CHANGES ON CONNECTIVITY</b> <u>Jonas Souza</u>		<b>HUMANS, LANDSCAPES AND SEA-LEVEL CHANGE IN PREHISTORIC CROATIA</b> <u>Silas Dean; Marta Pappalardo; Giovanni Boschian; Giorgio Spada; Stašo Forenbaher; Mladen Juračić; Igor Felja; Preston Miracle</u>

<b>KEY DRIVING FACTORS OF FLUVIAL PROCESSES IN THE LOWER YARLUNG TSANGPO RIVER</b> Guoan Yu		<b>LATE HOLOCENE COASTAL DEPOSITIONAL ENVIRONMENTS AND CLIMATE CHANGES IN GULF OF CORINTH, GREECE</b> <u>Alexandros Emmanouilidis; Ingmar Unkel; Maria Triantaphyllou; Pavlos Avramidis</u>	
<b>16:30 - 17:00</b> Coffee Break		<b>GEOMORPHOLOGY IN THE ANTHROPOCENE: EXAMPLES FROM ISTANBUL (TURKEY)</b> T. Ahmet Ertek	
<b>Argyriades Amphitheatre</b>		<b>Drakopoulos Amphitheatre</b>	
<b>17:00 - 18:30</b> <b>Parallel Session 3.7.6</b> <b>S01. Advancing theory and modeling of river systems</b> <b>Chairs:</b> Ian Rutherford, Konstantinos Tsanakas		<b>17:00 - 18:30</b> <b>Parallel Session 3.8.6</b> <b>S02. Anthropocene, Geoarchaeology and Society</b> <b>Chairs:</b> George Papatheodorou, Konstantinos Vouvalidis	
<b>THE PREDICTION AND SPATIAL DISTRIBUTION OF WETLANDS IN ESWATINI (SWAZILAND)</b> Jason Le Roux; Heinz Beckedahl; Althea Grundling; Paul Sumner		<b>HUMAN SHAPED LANDSCAPE HISTORY AROUND THE MINOAN TOWN OF MALIA, CRETE: NEW INSIGHTS ABOUT THE MINOAN CIVILIZATION CONSEQUENCES ON VEGETATION COVER IN THE LOWLANDS</b> <u>Arthur Glais; Julia Haussy; Laurent Lespez; Maia Pomadère; José-antonio Lopez-saez; Jean-françois Berger</u>	
<b>THE "RIVER SCOUR GB" PRODUCT – A GIS SOLUTION TO REINFORCE THE RESILIENCE OF GREAT BRITAIN</b> <u>Severine Cornillon; Katy Lee; Russell Lawley</u>		<b>ENVIRONMENTAL CHANGES AT THE BOTTOM OF THE MINOAN TOWN OF MALIA (CRETE): GEOMORPHOLOGICAL, SEDIMENTOLOGICAL AND MICROFAUNAL EVIDENCES OF LONG-TERM MARSH DEVELOPMENT AND ABRUPT EVENTS IMPACTS</b> <u>Laurent Lespez; Séverine Lescure; Arthur Glais; Ségolène Saulnier-copard; Jean-françois Berger; Franck Lavigne; Maia Pomadère</u>	
<b>SPATIAL-TEMPORAL PATTERNS OF RIPARIAN VEGETATION, ISLAND AND CHANNEL EVOLUTION IN RESPONSE TO HUMAN ACTIVITY: TALEQAN RIVER, IRAN</b> Sahar Darabi Shahmari		<b>RECONSTRUCTION OF CHANGES IN TOPOGRAPHY OF CRACOW CENTRE (POLAND) SINCE THE 9TH CENTURY WITH APPLICATION OF ARCHAEOLOGICAL INFORMATION AND WITH USE OF ADVANCED GIS TOOLS</b> <u>Adam Lajczak; Roksana Zarychta</u>	

# Programme

Saturday 21 September 2019



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## IMPACT OF CLIMATE CHANGE ON EVAPOTRANSPIRATION IN NORTH CHINA PLAIN

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Yujie Liu; Jie Chen; Tao Pan; Quansheng Ge

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## APPLICATION OF MARKOVIAN CHAIN TO DOMAIN UNITS WITHIN RIVER CHANNELS

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Adeyemi Olusola

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## RELATIVE ACCRETION: A NEW MODEL OF INCISIONAL AVULSION DEVELOPMENT IN LOW-ENERGY RIVER SYSTEMS

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Ian Rutherford; Abdullah Baky

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## THE FORMATION EVOLUTION AND INFLUENCING FACTORS OF THE HONGJIANAO

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Pingxuan Lin

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## PALEOGEOGRAPHY AND GEOMORPHOLOGICAL EVOLUTION OF AKROTIRI SALT LAKE, LEMESOS, CYPRUS

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Miltiadis Polidorou; Niki Evelpidou;  
Hara Drinia; Theodora Tsourou; Ferreol  
Salomon; Lucy Blue

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## AN INVESTIGATION OF SOIL GEOMORPHOLOGICAL CHARACTER OF AJODHYA HILL AREA AND ITS INFLUENCE ON LAND USE AND LAND COVER

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Arindam Sarkar

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## Ceremonial Hall

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18:30

**Closing Ceremony**

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