

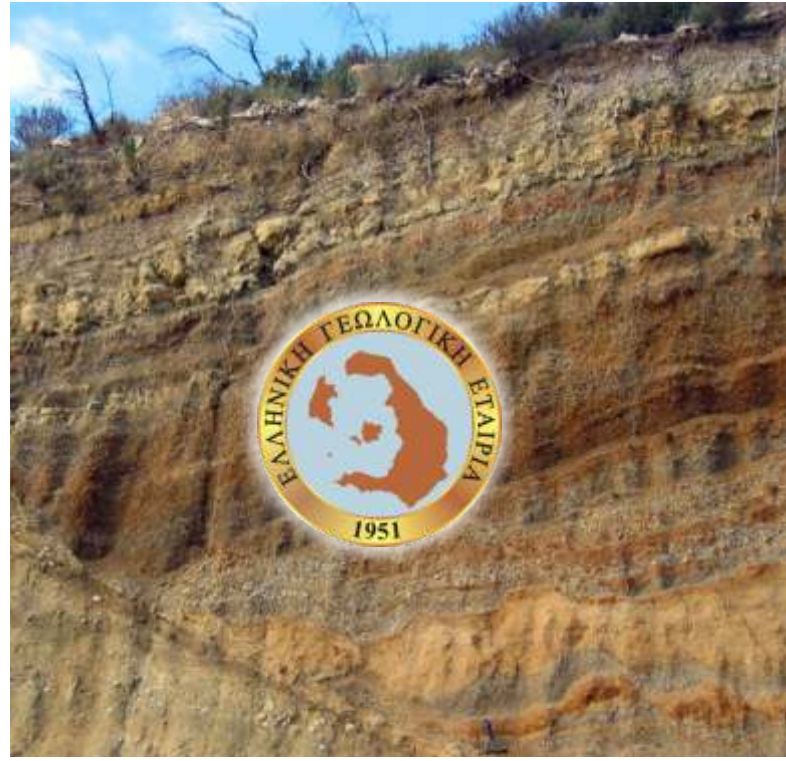


2019

EXPLORING AND
PROTECTING OUR
LIVING PLANET EARTH



15th
International
Congress



P R O G R A M M E



of the
**Geological
Society
of Greece**



Athens
22-24 May 2019

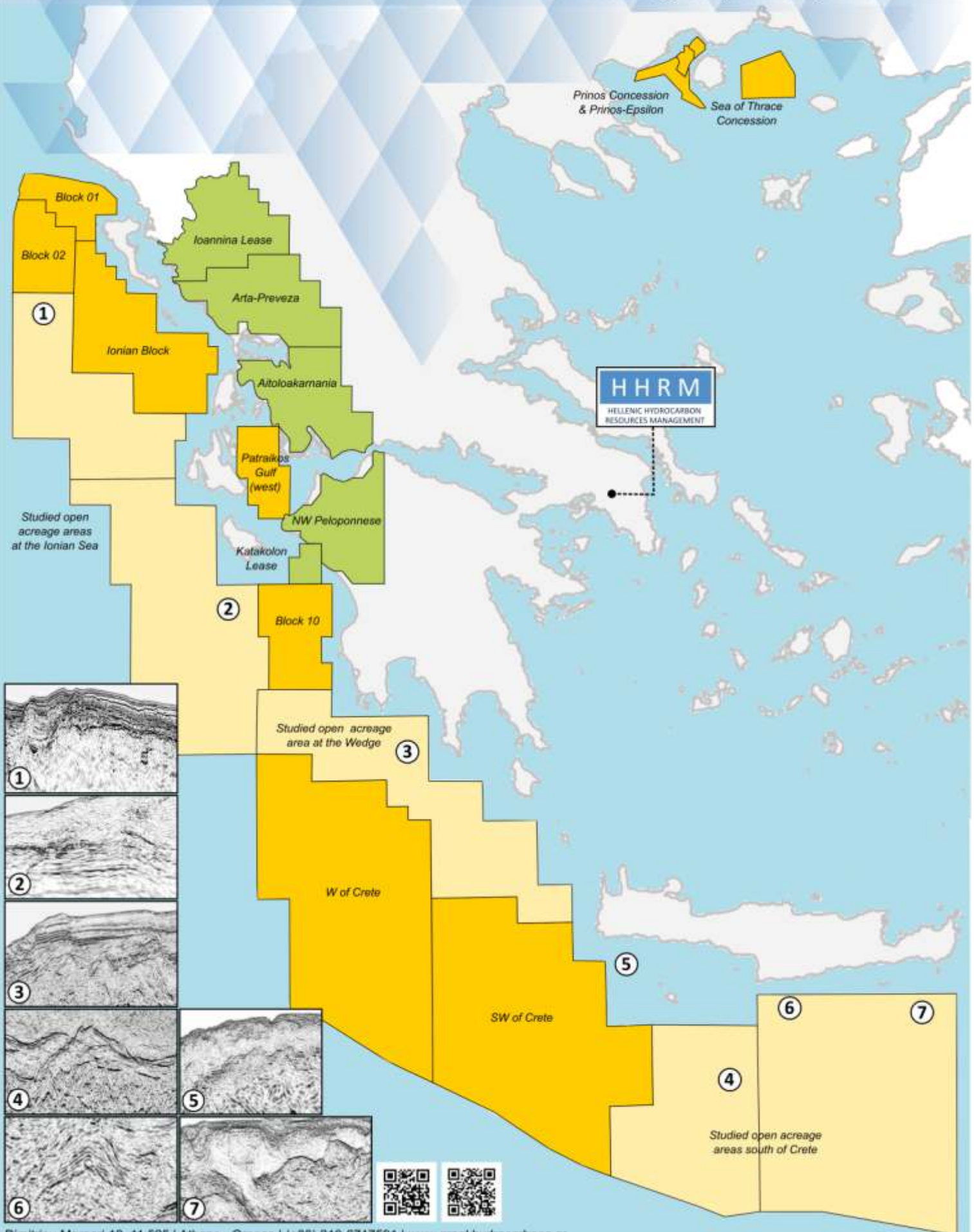
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CONGRESS VENUE



HUA main building

The Congress takes place at the premises of the Harokopio University of Athens (HUA).

Situated within a twenty-acre landscaped garden, the HUA campus offers modern conference facilities and ample space for inter-session meetings and social events.



NKUA central building

The opening ceremony takes place at the central building of the National and Kapodistrian University of Athens. The ceremony opens by Invited Keynote Talk (Prof. D. Papanikolaou), followed by presentation of awards to outstanding Geology students. The welcome reception (by invitation only) will take place at the Kostis Palamas building.

GSG2019 Summary Programme (per Session)

Session Event	Location	Wed 22 May	Thu 23 May	Fri 24 May
Welcome Address	Central Auditorium	09:30-10:00		
PLENARY SESSION	Central Auditorium	10:00-11:00		
Opening Ceremony (by invitation)	NKUA Ceremonial Hall, Kostis Palamas Bld.	18:00-21:00		
CONFERENCE DINNER (booked in advance)	Piraeus Sailing Club		20:00-22:00	
Association of Greek Geologists	Central Auditorium			16:30-17:30
GSG GENERAL ASSEMBLY	Central Auditorium			18:30-19:00
Closing Ceremony	Central Auditorium			19:00-20:00
COFFEE breaks	Foyer			
Lunch Breaks			15:30-16:30	15:30-16:30
POSTER SESSION: T1, T1.S1, T2, T4, T6		11:00-12:00 13:45-14:30		
POSTER SESSION: T1.S2, T3, T4.S1, T4.S2, T7, T8, T12			10:15-11:15 13:00-13:45	
POSTER SESSION: T5, T9, T10/T10.S2, T10.S1, T11/T11.S2, T11.S1				10:15-11:15 13:00-13:45
T1.S1. Updating Paleontology and Stratigraphy in Greece and Eastern Mediterranean	Ceremonial Hall	12:00-13:45 14:30-16:30		
T1.S2. Sedimentary Processes, Depositional Settings and Basin analysis	Ceremonial Hall		13:45-15:30 16:30-18:30	
T3. Geophysics and Seismology	Room 2.2	12:00-13:45		
T3.S1. Statistical Seismology	Room 2.2	14:30-16:30		
T3.S2. Seismicity & Geodynamics in Ionian Islands and Corinth Gulf	Room 2.2		8:30-10:15	
T3.S3. HELPOS: Hellenic Plate Observation System	Room 2.2		11:15-13:00	
T4. Geochemistry, Mineralogy, Petrology, Economic Geology	Central Auditorium	12:00-13:45 14:30-16:30	8:30-10:15	
T4.S2. Insights into the Nature of the Earth's Upper Mantle approached from the study of Ophiolites and Volcanic Rocks	Ceremonial Hall		11:15-13:00	
T4.S1. Geochemical mapping for environmental and resource management	Central Auditorium		13:45-15:30 16:30-18:30	
T6/T6.S1. Geo-Energy: from Exploration to Technological Advances and Sustainability	Central Auditorium		11:15-13:00	
T2. Geodynamics, Tectonics and Structural Geology	Room 2.2		13:45-15:30 16:30-18:30	
T7/T7.S1. Natural hazards under climate change impact	Room 2.2		11:15-13:00	
T7.S3. The Geohazard supersites initiative with emphasis on the Greek supersite (Enceladus)	Room 1.2		13:45-15:30	
T7.S2. New advances in InSAR and GNSS techniques and their applications for geohazards	Room 1.2		16:30-18:30	
T5. Geomorphology, Quaternary Geology and Geoarchaeology	Central Auditorium			8:30-10:15 11:15-13:00
T2.S1. The Hellenic Subduction, the North Anatolian Fault and the Aegean back-arc deformation: how do they interact in space and time?	Ceremonial Hall			8:30-10:15
T11.S1. Innovative Sensing Techniques for Geohazards	Room 2.2			8:30-10:15 11:15-13:00
T11/T11.S2. Geoinformatics: Remote Sensing, IT, Soft Computing and Intelligent Methods in Geosciences	Central Auditorium			13:45-15:30
T9. Engineering Geology, Hydrogeology and Environmental Geology	Ceremonial Hall			11:15-13:00 13:45-15:30 16:30-18:30
T10. Geology and Society: Geo-environmental Education and Sustainability, Geological Heritage	Room 2.2			13:45-15:30
T10.S2. New Developments in Science Education. Science with and for Society	Room 2.2			16:30-18:30
T10.S1. Highlighting, Protection and Management of Geosites	Room 1.2			16:30-18:30
WORKSHOPS – SEMINARS				
T11. W1 Geoinformatics: Earth Observation - GIS free & open software, data and platforms	Room 1.1	12:00-13:45 14:30-16:30		
T9.W1. Free and open source tools for groundwater resources management	Room 2.1		11:15-13:00 13:45-15:30	
T4.W1. Workshop on Global-Scale Geochemical Mapping (Room 1.2)	Room 1.2			8:30-10:15 11:15-13:00 13:45-15:30

GSG2019 Summary Programme (per day)

15th International Congress of the Geological Society of Greece - GSG2019

Conference Programme

Time	Hall1	Hall 2	Room 3	Room 4	PC Rooms	Poster Hall
Wednesday, 22 May 2019						
09:30-10:00	Welcome Addresses					
10:00-11:00	Plenary Session					
Coffee break and poster session: 11:00-12:00						
12:00-13:45	T4-I	T1.S1-I	T3		T11.W1	Poster Sessions: T1, T1.S1, T2, T4, T6
Coffee break and poster session: 13:45-14:30						
14:30-16:30	T4-II	T1.S1-II	T3.S1		T11.W1	Poster Sessions: T1, T1.S1, T2, T4, T6
18:00-20:00						
OPENING CEREMONY						
Thursday, 23 May 2019						
8:30-10:15	T4-III	T1.S1-III	T3.S2		T11.W1 T9.W1	
Coffee break and poster session: 10:15-11:15						
11:15-13:00	T6/T6.S1	T4.S2	T3.S3	T7/T7.S1	T11.W1 T9.W1	Poster Sessions: T1.S2, T3, T3.S1, T3.S2, T3.S3, T4.S1, T4.S2, T7, T7.S1, T8, T12
Coffee break and poster session: 13:00-13:45						
13:45-15:30	T4.S1-I	T1.S2-I	T2-I	T7.S3	T11.W1 T9.W1	Poster Sessions: T1.S2, T3, T3.S1, T3.S2, T3.S3, T4.S1, T4.S2, T7, T7.S1, T8, T12
Lunch break						
16:30-18:30	T4.S1-II	T1.S2-II	T2-II	T7.S2	T11.W1 T9.W1	
Friday, 24 May 2019						
8:30-10:15	T5-I	T2.S1	T11.S1-I		T4.W1	
Coffee break and poster session: 10:15-11:15						
11:15-13:00	T5-II	T9-I	T11.S1-II	T4.W1		Poster Sessions: T5, T9, T10, T10.S2, T11, T11.S1, T11.S2
Coffee break and poster session: 13:00-13:45						
13:45-15:30	T11/T11.S2	T9-II	T10	T4.W1		Poster Sessions: T5, T9, T10, T10.S2, T11, T11.S1, T11.S2
Lunch break						
16:30-18:30	Ass. of Greek Geologists	T9-III	T10.S2	T10.S1		
18:30-19:00	GSG General Assembly					
19:00-20:00	Closing Ceremony					

All sessions, and their corresponding presentations, are colour-coded, according to the general thematic header they fall into. Colour coding is shown below:

T1, T1.S1, T1.S2	T5	T9
T2, T2.S1	T6/T6.S1	T10, T10.S1, T10.S2
T3, T3.S1, T3.S2, T3.S3	T7/T7.S1, T7.S2, T7.S3	T11/T11.S2, T11.S1
T4, T4.S1, T4.S2	POSTERS	T8 T12

CEREMONIES

Time	Description
Wednesday, 22 May 2019, Ceremonial Hall, NKUA (30 Panepistimiou Str.,) Kostis Palamas Building	
18:00-19:00	OPENING CEREMONY <ul style="list-style-type: none"> • KEYNOTE LECTURE by Prof. Dimitrios PAPANIKOLAOU • Presentation of GSG awards to outstanding graduates of the Geological Departments of Greece
19:00-21:00	Reception (<i>by invitation only</i>)
Friday, 24 May 2019, HUA Central Auditorium Chairs: Efthymios Lekkas, Spyros Pavlides, Apostolos Alexopoulos	
19:00-20:00	CLOSING CEREMONY <ul style="list-style-type: none"> • Overview and results of GSG 2019 • Announcement and appointment of the next GSG Congress (2022)

KEYNOTE TALKS

Time	SPEAKER	Venue	Title
Wednesday, 22 May 2019			
10:00-10:30	Spyros Pavlides	Central Auditorium	FROM EARTH TO "GAIA". AN EARTH SYSTEM SCIENCE
10:30-11:00	Yannis Bassias	Central Auditorium	EXPLORING FOR ENERGY RESOURCES AND THE ROLE OF THE GEOSCIENCES IN GREECE
14:30-15:00	George Tsaklidis	Room 2.1	STOCHASTIC MODELS IN SEISMOLOGY
18:00-18:40	Dimitrios Papanikolaou	NKUA Ceremonial Hall	FROM PANGAEA TO THE ACTIVE HELLENIC SUBDUCTION ZONE
Thursday, 23 May 2019			
11:15-11:45	Stefano Salvi	Room 2.1	THE GEO - GEOHAZARD SUPERSITES AND NATURAL LABORATORIES INITIATIVE
11:15-11:45	Carlos J. Garrido	Ceremonial Hall	THE OPENING OF THE WESTERN MEDITERRANEAN DURING THE ALPINE OROGENY: A PERSPECTIVE FROM OROGENIC PERIDOTITES AND UHP ECLOGITES
12:00-12:30	Gerasimos Papadopoulos	Ceremonial Hall	MODERN ISSUES OF GEOETHICS
13:45-15:15	Anna Ladenberger	Central Auditorium	GEMAS: GEOCHEMISTRY OF EUROPEAN SOIL FOR PRODUCING GOOD QUALITY FOOD
16:30-17:00	Andrew S. Hursthouse	Central Auditorium	SOIL CONTAMINANT BASELINES IN THE MANAGEMENT OF URBAN ECOSYSTEMS
16:30-17:00	Panos Psimoulis	Room 2.1	ANALYSIS OF GPS NETWORK DATA FOR DETECTING ANOMALIES AND GEOHAZARDS
Friday, 24 May 2019			
08:30-09:00	Daniele Giordan	Room 2.1	RECENT ADVANCES IN LANDSLIDES MONITORING TECHNIQUES
16:30-17:00	Vassiliki Kotroni	Room 2.1	METEOROLOGY IN FORMAL EDUCATION: NECESSITY AND TEACHING SUGGESTIONS

KEYNOTE SPEAKERS



From Pangaea to the Active Hellenic Subduction Zone

Dimitrios Papanikolaou

National and Kapodistrian University of Athens, Greece

OPENING CEREMONY | Wednesday, 22 May 2019 | 18:00 | NKUA Ceremonial Hall

Dimitrios Papanikolaou was born in Athens and studied Natural Sciences and Geology at the University of Athens. He started his career as assistant at the Laboratory of Geology (1974), he obtained his PhD in Geology (1978) and became full professor of Dynamic, Tectonic Geology and Marine Geodynamics (1993) at the University of Athens. He served as President of the Geological Society of Greece (1988-1992, 1994-1996), Project Leader of IGCP 276 'Paleozoic Geodynamic Domains and their Alpidic Evolution in the Tethys' (1988-1995), President of the Karpatho-Balkan Geological Association (1993-1995), President of the Earthquake Planning and Protection Organization (1993-1998), President and General Director of the National Centre for Marine Research (1994-2000), Member of the board of CIESM in Monaco (1994-2000), Member of the Scientific Committee for International Continental Deep Drilling, in Potsdam (1998-2000), Secretary General for Civil Protection, at the Ministry of Interior (2000-2002). During 1979-1980 he was post-doc researcher in Lausanne, Switzerland and in 1982-1983 he was professeur associe in Reims, France. He was nominated Grosby professor at the Dept. of Earth, Atmospheric & Planetary Sciences in MIT, USA (2003) and Barnes Distinguished Lecturer in the Jackson School of Geosciences, at Texas University in Austin, USA (2008). He has published more than 70 papers in peer reviewed scientific journals, more than 120 papers in Congresses Proceedings and more than 25 papers in books, fieldguides etc. with more than 2400 citations. He was the Director of Studies of the Master's program in Oceanography (2007-2016) and in Natural Hazards (2009-2016). Since 2016 he is Emeritus Professor of Geology at the University of Athens.



From Earth to "Gaia". An earth system science

Spyros Pavlides

Aristotle University of Thessaloniki, Greece

PLENARY SESSION | Wednesday, 22 May 2019 | 10:00 | Central Auditorium

Spyros B. Pavlides is Emeritus Professor of Geology (Neotectonics and Palaeoseismology) at the Aristotle University of Thessaloniki educated in Natural Sciences (1973), in Geology (1978) and PhD in Neotectonics (1985). He followed many short training courses in France (Paris VI), UK, USA (California-Nevada), Japan, China and in Greece (Seismological Observatory AUTH). He has studied Active Faults and Earthquake ground deformation in several places of Greece, in Albania, Bulgaria, Western Anatolia (Turkey), Italy, China and Taiwan. His scientific interest is in, Active Tectonics and Seismotectonics, especially on the broader Aegean Geodynamics, Volcanotectonics of Santorini Volcano, Structural Geology, Palaeoseismology with emphasis in Archaeoseimology and Seismic Hazard Analysis. He also studies History of Geosciences. He published more than 150 scientific papers, among them 75 in International Journals (peer review) and two Textbooks in "Neotectonics" (1986, by Pavlides & Moundrakis, in Greek, 136pp) and "Earthquake Geology" (2003, University Studio Press, in Greek, 378pp, New Edition 2016, 473pp), as well as "PAN-GAIA" (2007, S. Pavlides, Leader Books, 290 pp, in Greek and English recently) and "Darwin - Darwinism" by Chintiroglou, S-Ch. & Pavlides, S. (2013) University Studio Press, Thessaloniki, 135pp, in Greek). He was Chairman of the School of Geology (2006-10) and Dean of the Faculty of Science (AUTH) 2010-14. President of the Geological Society of Greece and Director of the Aristotelian Museum of Natural Science of Thessaloniki.



Exploring for energy resources and the role of the geosciences in Greece

Yannis Bassias

Hellenic Hydrocarbon Resource Management, Greece

PLENARY SESSION | Wednesday 22 May 2019 | 10:30 | Central Auditorium

Yannis Bassias was appointed in November 2016 Chairman and CEO of the Hellenic Hydrocarbon Resources Management SA (HHRM) for a five-year term. He has 30 years of international business experience in geology and geophysics, in technical projects and corporate management for reservoir evaluation, creating portfolio of oil and gas resources and the contribution of human resources and of international relations. Between 2012-2016 he consulted in the evaluations of research permits, with country authorities' partners and local stakeholders in frontier offshore hydrocarbon bearing sedimentary basins in West Africa, Mauritania, in the Mozambique Channel, the Central-Southern Atlantic, and the French overseas departments which are under European legislation. Between 1997 and 2012 he conducted an evaluation team prospecting in Texas, Colombia, Yemen, Senegal, Venezuela, Tunisia, Congo and created an exploration portfolio in the Paris Basin and in Tunisia. In the service business, he was President and CEO of the Georex group for 20 years, demergered the exploration assets from the service activities in geology and geophysics and created subsidiaries for the provision of services in France, Tunisia, United Kingdom and Republic of Congo. He managed multiannual programs such as the creation of a database of hydrocarbon reservoirs for the CIS republics in cooperation with the Institutes IFP and VNIGNI, the merger of databases of companies Total, PetroFina and Elf, the digital storage of seismic data of the National Petroleum Company of the Republic of the Congo (SNPC). Before joining the petroleum industry, he had an academic career in the Free University of Berlin with main research focus the Pre-Cambrian of Anti-Atlas (Morocco) and then as Associate Professor in Geology at the National Museum of Natural History in Paris working on the sedimentary basins and ridges of the Indian Ocean. He holds a PhD in Geology (Paris 1984), degree in Geology from the University of Athens (1979), diploma in Economics from French Institute of Management, IFG (1994) and Management-Marketing Certificate from the Business School of Paris, Chamber of Commerce and Industry, CCIP (1989). He is author or co-author of more than 30 publications in international scientific or industry journals on the Indian Ocean, Central-South Atlantic, France, Greece, Morocco, and co-editor of 3 reports of the TAAF (Terres Australes et Antarctiques Françaises) sea campaigns in the Indian Ocean.



Modern Issues of Geoethics

Gerassimos A. Papadopoulos

National Observatory of Athens, Greece

SESSION T1.S1 | Wednesday 22 May 2019 | 12:00 | Ceremonial Hall

Gerassimos Papadopoulos is an earthquake and tsunami scientist. Studies at the University of Thessaloniki, post-doc at MIT, USA. Visiting Researcher at NIED, Visiting Professor at Tohoku University (both in Japan), Research Director at the National Observatory of Athens. More than 150 published papers, 7 books, 3800 citations. He serviced in a long number of Committees, Societies and Working Groups of EU, UNESCO, Council of Europe, American Geophysical Union etc. He is Chairman of the NE Atlantic and Mediterranean Tsunami Warning System (UNESCO), Member of the Seismic Hazard Assessment Committee (EPPO), and Greek national representative of the International Association for the Promotion of Geoethics.



GEMAS: Geochemistry of European Soil for Producing Good Quality Food

Anna Ladenberger

Geological Survey of Sweden, Uppsala, Sweden

SESSION T4.S1 | Thursday 23 May 2019 | 13:45 | Central Auditorium

Anna Ladenberger is a senior research geochemist at the Geological Survey of Sweden (SGU). She received her PhD from the Jagiellonian University, Krakow, Poland, in the field of isotope geochemistry. Anna's research has focused on isotope geochemistry of volcanic rocks and Pb-U geochronology, and then moved into low temperature geochemistry with emphasis on geochemical mapping using various sample types (soil, till, plants, water) and analytical methods (acid leach, total concentrations and isotopic systems). Anna is Deputy chair of the EuroGeoSurveys Geochemistry Expert Group and a member of the Swedish Chemicals Agency's Toxicological Council, which identifies and evaluates signals of the New Emerging Risk Chemicals (NERC). She is author or co-author of more than 70 publications appearing as both SGU reports and papers in international peer-reviewed scientific journals.



Soil Contaminant Baselines in the management of urban ecosystems

Andrew S. Hursthouse

University of the West of Scotland, UK

SESSION T4.S1 | Thursday 23 May 2019 | 16:30 | Central Auditorium

Professor Hursthouse is an environmental geochemist, applying an "earth-systems" approach to his research which covers the transport/behaviour of pollutants in the environment, evaluating their impact on ecosystems and for human health. He undertook PhD and postdoc research on actinide geochemistry associated with nuclear waste processing facilities, developing analytical tools and applying them to study environmental transport processes. Subsequently his research has applied these principles in studies of the impact of wastes and development of management systems, resource recovery strategies and exposure assessment. He holds a high-end expert fellowship at the Regional Key Laboratory for Shale Gas Exploitation, Hunan University of Science & Technology, Xiangtan, China. He is a Trustee of Environmental Protection Scotland (<http://www.ep-scotland.org.uk/>) and Past President of the Society for Environmental Geochemistry & Health (www.segh.net).



The GEO - Geohazard Supersites and Natural Laboratories Initiative

Stefano Salvi

Istituto Nazionale di Geofisica e Vulcanologia, Italy

SESSION T7.S3 | Thursday 23 May 2019 | 11:15 | Room 2.1

Stefano Salvi is Technological Director at INGV-ONT Rome, Italy. He is expert in the application of optical and radar remote sensing to different Solid Earth applications, and in particular for crustal deformation studies and active tectonics. He coordinated several research projects in those fields. He founded the INGV Remote Sensing Laboratory and directed it for several years. He coordinates INGV operational services based on satellite EO data during seismic crises. He is Chair of the Geohazard Supersites and Natural Laboratory initiative of GEO and co-lead of the Seismic Demonstrator of the CEOS Working Group on Disasters.



Stochastic Models in Seismology

George Tsaklidis

Aristotle University of Thessaloniki, Greece

SESSION T13.S1 | Wednesday 22 May 2019 | 14:30 | Room 2.1

Prof. George Tsaklidis - Short CV: Education: B.Sc (4 years studies) in Mathematics, PhD in Mathematics (Probabilistic Modelling-Operat.Research) in the Aristotle University of Thessaloniki (AUTH), Greece; Personal skills : University Professor in Mathematics (AUTH): Statistical-Probabilistic Modeling (Markov and semi-Markov modeling, Hidden

Markov and Hidden semi Markov modeling, Linear and Non-linear filtering and Applications (in Seismology, Finance, video-Tracking, Continuum Mechanics), Dynamics, Matrix Theory; PhD thesis supervision: 5 completed, 3 in progress; Publications: 43 in international scientific journals. 3 scientific books (one of them in english) Conference talks: More than 70.



The Opening of the Western Mediterranean during the Alpine Orogeny: a Perspective from Orogenic Peridotites and UHP Eclogites

Carlos J. Garrido

University of Granada, Spain

SESSION T4.S2 | Thursday 23 May 2019 | 11:15 | Ceremonial Hall

Dr. Carlos J. Garrido is a Senior Research Scientist at the Andalusian Institute of Earth Sciences (CSIC–Univ. Granada) and head of the Petrology and Geochemistry department. Carlos holds a M.Sc. and Ph.D. in Earth Sciences at the University of Granada. Before moving to Granada in 2002 as a Ramon y Cajal Fellow, he was a post-doctoral researcher at the Woods Hole Oceanographic Institution (USA) and a Marie-Curie Fellow at the University of Montpellier (France). During many years, he has served as a panelist of the European Research Council and a member of the editorial board of Lithos.



Analysis of GPS Network Data for Detecting Anomalies and Geohazards

Panos Psimoulis

Nottingham Geospatial Institute, University of Nottingham, UK

SESSION T7.S2 | Thursday 23 May 2019 | 16:30 | Room 2.1

Panos Psimoulis began his academic life as civil engineer, with a degree from University of Patras in 2004, where he continued for an MSc and PhD degree focusing on geodetic applications in deformation monitoring of stiff civil engineering structures. After a year in Athens University of Applied Sciences, as Teaching and Research Associate, he left to continue his research as Research Fellow at the Geodesy and Geodynamics Lab in ETH Zurich, focusing on the application of high-rate GPS on seismology. Since 2013, he holds the position of Assistant Professor at the Nottingham Geospatial Institute of University of Nottingham. His research explores applications of deformation monitoring related to civil engineering structures and geohazards.



Recent advances in landslides monitoring techniques

Daniele Giordan

*Italian National Research Council – Research Institute for
Hydrogeological Protection*

SESSION T11.S1 | Friday 24 May 2019 | 08:30 | Room 2.1

Daniele Giordan holds a MSc and Ph.D. in Earth Science studying deep-seated gravitational slope deformations and landslides monitoring systems. He started to work at the Research Institute for Geo-Hydrological Protection of the Italian National Research Council in 2004, and he became a scientific researcher in 2009. Scientific coordinator of Geohazard Monitoring Group since 2015, he works in particular on the development of new methodologies and systems for geo-hydrological processes monitoring. In particular, he focused his attention on the use of monitoring systems for the improvement of the geological model of large slopes instabilities and correct management of early warning systems. He worked on the improvement of the effectiveness of monitoring systems defining a communication strategy for correct management and dissemination of monitoring results. Chairman of the Commission C35 “monitoring methods and approaches in engineering geology applications” of the International Association for Engineering Geology and the Environment, he has been editor of several books and special issues focused on natural hazards and engineering geology topics, and he is a co-author of more than 50 international papers and book chapters.



Meteorology in formal education: Necessity and teaching suggestions

Vassiliki Kotroni

National Observatory of Athens, Greece

SESSION T10.S2 | Friday 24 May 2019 | 16:30 | Room 2.1

Dr. Vassiliki KOTRONI, Research Director at the National Observatory of Athens, born in 1965, has a PhD in Dynamic Meteorology (University Clermont-Ferrand, 1993). She has acted as Research Associate at the University Athens (Meteorology Laboratory, Physics Dept.) during the period 1993-1998, while since 1999 she joined the National Observatory of Athens. She has more than 25 years of experience on numerical weather prediction. She has authored or co-authored 125 papers published in refereed international journals, and 4 book chapters in the fields of dynamic meteorology, numerical weather prediction (including dust forecasting), weather monitoring, atmospheric electricity, climatology, dynamics and societal impacts of weather related natural hazards. Her citation report includes 2019 citations and an h-index 25 (12/2018). She has worked extensively with a number of meteorological models (RAMS, MM5, BOLAM, WRF, WRF-CHEM). She coordinates: (a) the operational weather prediction and related activities at NOA based on MM5, WRF and WRF-CHEM models, (b) the operation of ZEUS lightning detection network; (c) in collaboration with Dr. K. Lagouvardos, the concept, development and operation of **www.meteo.gr**. This activity integrates specialized forecasts and observations over Greece, it was founded in 2002 and during the last years is constantly among the top-5 (in terms of average daily visitors) sites in the Greek internet (ref: www.ened.gr). This activity has been self-financed since 2006 and has attracted funding from the private sector that exceeds in total 4.000.000 €. Since 2016 she coordinates the educational program “Περί Ανέμων και Υδάτων - About Winds and Waters”.

WEDNESDAY, 22 MAY 2019 | CENTRAL AUDITORIUM

Welcome Addresses		
09:30-10:00 Welcome Addresses		
Plenary Session		
Chairs: <i>Eythymios Lekkas, Issaak Parcharidis, Assimina Antonarakou</i>		
10:00-10:30	Spyros Pavlides	FROM EARTH TO "GAIA". AN EARTH SYSTEM SCIENCE.
10:30-11:00	Yannis Bassias	EXPLORING FOR ENERGY RESOURCES AND THE ROLE OF THE GEOSCIENCES IN GREECE

11:00-12:00 COFFEE BREAK and POSTER SESSION

T4. Geochemistry, Mineralogy, Petrology, Economic Geology, Volcanology –I			ID
Chairs: <i>Michael Stamatakis, Charalampos Vasilatos</i>			
12:00-12:15	<i>Anestis Filippidis, Nikolaos Kantiranis, Christina Mitiglaki and Ananias Tsirambides</i>	The Mineralogical Composition of Samos Zeolitic Rocks and their Potential Use as Feed Additives and Nutrition Supplements	150
12:15-12:30	<i>Christina Mytigliaki, Nikolaos Kantiranis, Panagiotis Misaelides, Fotini Noli and Anestis Filippidis</i>	Comparative Study of the Cesium Uptake Ability between HEU-type (Clinoptilolite-Heulandite) Zeolitic Tuff and Pure Heulandite	130
12:30-12:45	<i>Maria Andreadi and Charalampos Vasilatos</i>	Synthetic zeolites from coal fly ash and biomass ash for agricultural applications	91
12:45-13:00	<i>Konstantinos Vythoulkas, Michael Stamatakis, Ariadne Argyraki, Katerina Kouli and Vassilis Zotiadis</i>	Tracing the depositional microenvironment and related genetic mechanisms of Fe-rich palygorskite and Mg-Fe-smectite in the Velanida clay deposit, western Macedonia, Greece	168
13:00-13:15	<i>Konstantina Koukouza, Charalampos Vasilatos and Michael Stamatakis</i>	Application of Natural and Synthetic Microporous Materials for Engine Oil Leakages Treatment: A Comparative Study	278
13:15-13:30	<i>Maria Kokkaliari and Ioannis Iliopoulos</i>	Application of Near-Infrared Spectroscopy for the identification of rock mineralogy	266

13:45-14:30 COFFEE BREAK and POSTER SESSION

T4. Geochemistry, Mineralogy, Petrology, Economic Geology, Volcanology –II			ID
Chairs: <i>George Economou, Anestis Filippidis</i>			
14:30-14:45	<i>Ananias Tsirambides and Anestis Filippidis</i>	Sb- Bi-Bearing Metallogeny of the Serbomacedonian-Rhodope Metallogenic Belt (SRMB)	10
14:45-15:00	<i>Stavros Triantafyllidis</i>	Trace element geochemistry, mineralogy and texture of the Ermioni VMS mineralization host volcanics, and new insights on the geotectonic setting of volcanism, Argolis, Greece	20
15:00-15:15	<i>Foteini Aravani, Lambrini Papadopoulou and Vassilios Melfos</i>	Mineralogical and fluid inclusions study of epithermal type veins intruding the volcanic rocks of the Kornofolia area, Evros, NE Greece (Preliminary results)	41
15:15-15:30	<i>Ioannis Tzifas, Platon Gamaletsos, Argyrios Papadopoulos, Athanasios Godelitsas, Nikolaos Kantiranis, Panagiotis Misaelides and Anestis Filippidis</i>	Actinides and Rare Earth Elements (REE) in Sedimentary Formations of Greece: A review	92
15:30-15:45	<i>Stilianos Lazaridis, Afroditi Kipourou-Panagiotou, Argiris Papadopoulos, Nikolaos Kantiranis, Antonios Koronaos and Konstantinos Almpanakis</i>	Rare earth elements in the black sands from coastal cliffs sedimentary deposits, of Aggelochori Area	385
15:45-16:00	<i>George Economou, Dimitrios Tsagas and Adonis Photiades</i>	Rare-Earth minerals within Phyllite-Quartzite Series of SE Alagonia Area (Peloponnese)	193

(* Author's name in *italics* denotes confirmed presenter (as of 8 May, 2019).

WEDNESDAY, 22 MAY 2019 | CEREMONIAL HALL

T1.S1. Updating Paleontology and Stratigraphy in Greece and Eastern Mediterranean -I			ID
Chairs: Maria Triantaphyllou, Dimitris Kostopoulos, George Iliopoulos			
12:00-12:30	Gerassimos Papadopoulos	KEYNOTE TALK: MODERN ISSUES OF GEOETHICS	
12:30-12:45	George Koufos	First evidence of <i>Mesopithecus Monspessulanus</i> (Mammalia: cercopithecidae) in the late Miocene of Macedonia, Greece	60
12:45-13:00	<i>Dimitris S. Kostopoulos, Elina Aidona, Anastasia Gkeme, Laurent Grasset, Franck Guy, George Koufos, Zoi Kynigopoulou, Anne Le Maitre, Mouloud Benammi, Chris-Alex. Plastiras and Gildas Merceron</i>	The Lower Pleistocene primate-bearing fossil site of dafnero (W. Macedonia, Greece): new data from classic and innovative approaches	24
13:00-13:15	<i>Maria Kolendrianou, Stefanos Ligkovanlis, Marianthi Tzortzi, Ioannis Maniakas and George Iliopoulos</i>	The palaeoenvironment of <i>Homo Neanderthalensis</i> during the Late Pleistocene: preliminary results of the kalpal project, the palaeoecological and taphonomical study of the Upper Pleistocene fauna from the Kalamakia cave (Mani peninsula, Greece).	138
13:15-13:30	<i>Dionysia Liakopoulou and Socrates Roussiakis</i>	Cranial sinuses of bovidae from Late Miocene of Greece	309
13:30-13:45	<i>George Konidaris, Dimitris Kostopoulos and George Koufos</i>	<i>Mammuthus meridionalis</i> from apollonia-1 (Mygdonia basin, Northern Greece) and its importance within the Early Pleistocene mammoth evolution in Europe	22

13:45-14:30 COFFEE BREAK and POSTER SESSION

T1.S1. Updating Paleontology and Stratigraphy in Greece and Eastern Mediterranean -II			ID
Chairs: Socrates Roussiakis, Katerina Kouli, Maria Geraga			
14:30-14:45	<i>Dimitrios Papanikolaou, Paraskevi Nomikou, Ioannis Papanikolaou, Maria Triantaphyllou, Nena Galanidou, Margarita Dimiza and Chronis Tzedakis</i>	Pleistocene palaeogeography and Palaeolithic archaeology: The tectonically active North Aegean Sea case study	257
14:45-15:00	<i>Katerina Kouli, Konstantinos Panagiotopoulos, Maria Geraga, Marcie P. Phillips, Aleksandra Cvetkoska, Paula Diz, Sabire Asli Oflaz, Jeremy D. Everest, Gareth D.O. Carter, Donna S. Shillington and Lisa C. McNeill</i>	IODP Expedition 381: The potential of the new high-resolution palaeoenvironmental and palaeoclimatic record from the Corinth Gulf	241
15:00-15:15	<i>G. Grigoryan, D. Vachard, T. Tsourou, Alexandra Zambetakos-Lekkas and Taniel Danelian</i>	Discovery of Capitanian-Wuchiapingian (Middle-Late Permian) Calcareous Algae and Foraminiferan assemblages from Chios island (Greece). Paleogeographic implications	37
15:15-15:30	<i>Dimitrios Papanikolaou and Maria Triantaphyllou</i>	New stratigraphic data of the Limnos volcano-sedimentary sequence and correlations with the Thrace Basin	240
15:30-15:45	<i>Ioulietta Mikellidou, Maria Triantaphyllou and Stefano Patruno</i>	The Upper Cretaceous palaeo-slope transition: an integrated calcareous nannofossil and microfacies approach (Ionian Islands, Preapulian Zone, Western Greece)	182
15:45-16:00	<i>Marianna Kokotini, Nikolaos Kargopoulos, Georgios Iliopoulos, Sokratis Roussiakis, Panagiotis Skandalos, Dimitrios Michailidis, Georgia Svorligkou, Panagiotis Kampouridis and Georgios Theodorou</i>	Karnezeika (Argolis, Peloponnese): preliminary data concerning a new Villafranchian locality of Southern Greece	104
16:00-16:15	<i>Panagiotis Kampouridis, Socrates Roussiakis, Nikolaos Kargopoulos, Ioannis Giaourtsakis, Georgios Dimakopoulos, Georgios Iliopoulos, Georgia Svorligkou and Georgios Theodorou</i>	Faunal diversity at the Turolian locality of Kerassia (Northern Euboea, Greece)	122

WEDNESDAY, 22 MAY 2019 | ROOM 2.2

T3. Geophysics and Seismology			ID
Chairs: Vassileios Karakostas, George Kaviris, Ioannis Kassaras			
12:00-12:15	<i>Olga-Joan Ktenidou</i> and Ioannis Kalogeras	Improving station characterisation for the accelerometric network of the National Observatory of Athens	252
12:15-12:30	<i>Ioannis Grendas</i> , Nikolaos Theodoulidis, Fabrice Hollender and Panagiotis Hatzidimitriou	Improved Generalized Inversion Technique (GIT) and its implementation to a synthetic dataset, to retrieve seismic source, propagation path and site factors	79
12:30-12:45	<i>Olatunde Isaiah Popoola</i> and Olumide Akinwale Adedeji	Rating seismicity in terms of radiated energy of earthquakes	90
12:45-13:00	<i>Andreas Tzanis</i> , Vassilis Sakkas, Stelios Chailas and Evangelos Lagios	Contemporary tectonic deformation in the Santorini Volcanic Complex, Greece	244
13:00-13:15	<i>Nikolaos Chatzis</i> , Charris Kkallas, Costas Papazachos, Marios Anthymidis, Emmanouel Rovithis, Christos Karakostas and Christos Papaioannou	Stochastic simulation of seismic motion and site-effects studies of ambient noise and seismic data: The case of the Vrisa Settlement and the 2017 M=6.3 Lesvos Earthquake	250
13:15-13:30	Panagiotis Tsourlos, Petros Karmis, George Vargemezis, George Panagopoulos, Leonidas Gouliotis and Kostantinos Nikolaou	Geophysical measurements for upraising the geological model at the Katakolo Peninsula	144

13:45-14:30 COFFEE BREAK and POSTER SESSION

T3.S1. Statistical Seismology			ID
Chairs: <i>Rodolfo Console</i> , <i>Eleftheria Papadimitriou</i>			
14:30-14:55	George Tsaklidis	KEYNOTE TALK: STOCHASTIC MODELS IN SEISMOLOGY	
14:55-15:10	Rodolfo Console, Roberto Carluccio, Maura Murru, Eleftheria Papadimitriou and Vassilis Karakostas	Physics-based simulation of spatiotemporal patterns of earthquakes in the Corinth Gulf fault system	31
15:10-15:25	Andreas Tzanis and Angeliki Efstathiou	Earthquake recurrence intervals in complex seismogenetic systems: A proemial analysis	59
15:25-15:40	<i>Georgios Michas</i> and Filippos Vallianatos	Scaling properties and stochastic modelling of earthquake time series	216
15:40-15:50	<i>Dimitrios Chorozoglou</i> and Eleftheria Papadimitriou	Monitoring earthquake network measures in aftershock sequences in Greece	128
15:50-16:00	<i>Polyzois Bountzis</i> , Eleftheria Papadimitriou and George Tsaklidis	Earthquake clusters in Corinth Gulf, Greece: Identification through a Markovian arrival process (MAP)	133
15:45-16:00	<i>Christos Kourouklas</i> , Rodolfo Console, Eleftheria Papadimitriou, Maura Murru and Vassilios Karakostas	A physics-based simulator application in Southern Thessaly Fault System, Greece	135
16:00-16:10	Christos Kourouklas, Ourania Mangira, Aggelos Iliopoulos, Dimitris Chorozoglou and Eleftheria Papadimitriou	A ten-year study (2008-2017) of short-term clustering features of Greek Seismicity	136
15:10-16:20	<i>Ourania Mangira</i> , Rodolfo Console, Eleftheria Papadimitriou, Maura Murru and Vassilios Karakostas	Studying aftershock sequences generated through a physics-based simulator	142

WEDNESDAY, 22 MAY 2019 | ROOM 1.1

T11. W1 Geoinformatics: Earth Observation - GIS free & open software, data and platforms	
INSTRUCTOR: Issaak Parcharidis	
12:00-13:45	PART I
13:45-14:30	COFFEE BREAK and POSTER SESSION
14:30-16:45	PART II

WEDNESDAY, 22 MAY 2019 | POSTER SESSIONS: T1, T1.S1, T2, T4, T6

ID	Authors	Poster Title
5	Argyro Asvesta and Sarantis Dimitriadis	GEOCHEMICAL CHARACTERISTICS AND TECTONIC SIGNIFICANCE OF PERMO-TRIASSIC SILICIC VOLCANIC ROCKS FROM CIRCUM-RHODOPE BELT, VARDAR (AXIOS) ZONE, NORTHERN GREECE
13	Fazilat Yousefi and Lambrini Papadopoulou	PLAGIOCLASE HOSTED MELT INCLUSION IN HYPABYSSAL ROCKS IN TORUD-AMAD ABAD MAGMATIC BELT
17	Stavros Triantafyllidis	PRECIOUS AND CRITICAL METAL PHASES IN THE AGIOS FILIPPOS HIGH-SULFIDATION EPITHERMAL SYSTEM, KIRKI, THRACE, NE GREECE
18	Stavros Triantafyllidis	ELECTRUM (AU-AG±CU) IN ASSOCIATION WITH AG-AU AND AG TELLURIDES AND BI-TE-SE PHASES IN THE INTERMEDIATE CONGLOMERATE, PERAMA HILL EPITHERMAL AU DEPOSIT, THRACE, NE GREECE
19	Stavros Triantafyllidis	MINERALOGICAL AND GEOCHEMICAL INVESTIGATION OF THE ERMIONI VMS SUPERGENE ALTERATION ZONE, ARGOLIS, GREECE
28	Nikolay Bonev, Petyo Filipov and Raia Raicheva	DETRITAL ZIRCON RECORD ON THE STRATIGRAPHY OF META-CARBONATE ROCKS IN THE CIRCUM-RHODOPE BELT: U-PB LA-ICP-MS GEOCHRONOLOGY DATA FROM THE MANDRITSA UNIT, BULGARIA
38	Yvonne Milker, Frans J. Jorissen, Ulrich Riller, Klaus Reicherter, Jürgen Titschack, Manuel F. G. Weinkauff, Marc Theodor and Gerhard Schmiedl	PALEOECOLOGIC AND NEOTECTONIC EVOLUTION OF SE RHODES (GREECE) DURING THE EARLY PLEISTOCENE
42	Platon Gkamaletsos, Anouk Borst, Takeshi Kasama, Adrian Finch, Athanasios Godelitsas, Ioannis Tzifas, Yiannis Pontikes and Anestis Filippidis	STUDYING THE LOCAL DISTRIBUTION OF THORIUM IN EUDIALYTE DEPOSITS ASSOCIATED WITH PERALKALINE IGNEOUS ROCKS (GREENLAND) BY ELECTRON MICROSCOPY & SPECTROSCOPIC TECHNIQUES
48	Panagiotis Voudouris, Ivan Baksheev, Constantinos Mavrogonatos, Paul G. Spry, Aliou Djiba, Ulrich Bismayer, Konstantinos Papagkikas and Anthi Katsara	TOURMALINE FROM THE FAKOS PORPHYRY-EPITHERMAL CU-MO-AU-TE PROSPECT, LIMNOS ISLAND, GREECE: MINERAL-CHEMISTRY AND GENETIC IMPLICATIONS
50	Georgios Lazaridis, Lambrini Papadopoulou and Maria-Olga Voudouri	CAVE PEARLS FROM ALMOPIA SPELEOPARK (GREECE): PRELIMINARY RESULTS
63	Adonis Photiades and Nicolaos Carras	THE TECTONO-STRATIGRAPHIC UNITS OF THE SOFRANA INSULAR COMPLEX, DODECANESE ISLANDS, GREECE
82	Eftychia Petika, Vasilios Melfos and Lambrini Papadopoulou	MINERALOGICAL STUDY OF THE VEIN STYLE CU-PB-ZN-BI-AS-AU MINERALIZATION HOSTED IN THE CARBONATES OF MYRIOFYTO, VERTISKOS UNIT, N. GREECE
89	Lorenza Li Vigni, Kyriaki Daskalopoulou, Walter D'Alessandro, Carlo Cardellini and Sergio Calabrese	GEOCHEMICAL CHARACTERIZATION OF GROUNDWATER QUALITY IN HELLENIC KARST SYSTEMS
101	Agapi Vasileiadou, Stamatiou Zoras, Argyro Dimoudi, Andreas Iordanidis and Vasileios Evageopoulos	CO-COMBUSTION OF LIGNITE AND SOLID WASTES FROM OLIVE OIL INDUSTRY
110	Olga Koukousioura, Kosmas Pavlopoulos, Maria Triantaphyllou, Dimitris Vandarakis, Solène Marion de Procé, Vassilia Chondraki, Vasilios Kapsimalis and Eric Fouache	BENTHIC FORAMINIFERA CONTRIBUTION TO THE STRATIGRAPHIC AND PALEOENVIRONMENTAL EVOLUTION OF THE COASTAL AREA OF FARASAN AL-KABIR ISLAND (SAUDI ARABIA)
111	Vasiliki-Grigoria Dimou, Olga Koukousioura, Margarita Dimiza, Maria Triantaphyllou, Gyorgy Less, Fotini Pomoni-Papaioanou and Georgios Syrides	TAXONOMY AND STRATIGRAPHY OF THE EOCENE NUMMULITIC DEPOSITS OF GREECE: A BIOMETRIC ANALYSIS APPROACH
116	Adamantios Kilias	ARCHITECTURE OF THE ALPINE DEFORMATION AND GEOTECTONIC SETTING OF THE HELLENIDES. A SYNTHESIS
117	Walter D'Alessandro, Kyriaki Daskalopoulou, Sergio Calabrese, Lorenza Li Vigni and Hardy Pfan	GAS HAZARD RELATED TO CO ₂ DEGASSING AT LOUτρα YPATIS, GREECE
120	Christos Kanellopoulos, George Vougioukalakis, Constantinos Mavrogonatos, Ifigeneia Megremi and Ioannis Iliopoulos	MINERALOGICAL, PETROLOGICAL AND GEOCHEMICAL STUDY OF THE AGIOS IOANNIS LAVAS, AT KAMENA VOURLA AREA, GREECE.
134	Konstantina Karanika, Maria Tsoni, Penelope Papadopoulou and George Iliopoulos	PALAEOENVIRONMENTAL INTERPRETATION BASED ON TAPHONOMIC INDICES OF PLEISTOCENE OSTRACODS
139	Despoina Nifora, Eleni Gianni, Jude Etunimonuwa Ogala, Dimitrios Papoulis, Stavros Kalaitzidis, Kimon Christanis, Vassiliki Angelatou and Eleni Maria Panagiotara	CHARACTERIZATION OF NIGERIA KAOLIN AS RAW MATERIAL FOR THE CERAMIC INDUSTRY
146	Penelope Papadopoulou, Maria Tsoni and George Iliopoulos	STUDY OF PLEISTOCENE OSTRACODS FROM CENTRAL AND SOUTHERN GREECE- DIGITAL IMAGING OF A PALAEOENVIRONMENTAL TOOL (PLOSTRAC): PRELIMINARY RESULTS
149	Georgia Svorligkou, Ioannis Giaourtsakis and Socrates Roussiakis	NEW MATERIAL OF THE HORNLESS RHINOCEROTID CHILOTHERIUM (MAMMALIA, PERISSODACTYLA) FROM THE TUROLIAN FAUNA OF SAMOS ISLAND, GREECE
162	Vassiliki Kostopoulou, Fotini Pomoni-Papaioannou and Alexandra Zambetakis-Lekkas	DACHSTEIN-TYPE LOFERITIC FACIES IN THE UPPER TRIASSIC-LOWER JURASSIC CARBONATE PLATFORM OF THE EASTERN GREECE ZONE


170	Dimitrios Ntokos and Panagiota Ntokou	DATING THE VARNISHES OF ACTIVE PETOUSI-SOULI FAULT ZONE (NORTHWESTERN GREECE) USING PORTABLE XRF
179	Panagiotis Filis, Socratis Roussiakis, Ioannis Giaourtsakis, Panagiotis Kampouridis, Nikolaos Kargopoulos, Panagiotis Skandalos, Stamatina Sklavounou, Ioanna Koumoutsea, Georgia Svorligou, Nikolaos Tsoukalas, Stamatis Kirdis and Georgios Theodorou	A FIELDWORK UPDATE ON THE NEW PALAEOONTOLOGICAL EXCAVATIONS AT THE CLASSICAL TUROLIAN LOCALITY OF PIKERMÍ (ATTICA, GREECE)
180	Alexandros Papaioannou, Katerina Kouli, Constantine Parinos, Margarita Dimiza, Maria Triantaphyllou, Kostantinos Miaritis, Manos Dasenakis and Alexandra Gogou	A HIGH RESOLUTION MULTIDISCIPLINARY STUDY OF PALAEOENVIRONMENTAL CHANGES IN THE GULF OF ELEFSIS, ATTICA, GREECE DURING THE LAST 300 YEARS
185	Alexandros Drakoulis, Antonios Koroneos, Triantafyllos Soldatos and Lambrini Papadopoulou	GENESIS AND GEOTECTONIC SETTING OF THE MT PAPIKION PLUTON (CENTRAL RHODOPE, GREECE).
186	Irena Pappa, Eberhard Frey, Evangelos Vlachos and George Iliopoulos	THE HÖWENEGG FOSSIL TURTLE ASSEMBLAGE (LATE MIOCENE, SOUTH GERMANY): PRELIMINARY RESULTS ON TAXONOMIC COMPOSITION AND DIVERSITY
188	Emilia Sofianska, Athanassoulis, Tarenidis, Xirokostas and Gaga	TEXTURAL, MINERALOGICAL AND GEOCHEMICAL ASSESSMENT OF THE PIKROLIMNI LAKE SEDIMENTS (KILKIS DISTRICT, NORTHERN GREECE) AND SUITABILITY FOR USE IN PELOTHERAPY
191	Apostolos Arvanitis	PRELIMINARY GEOTHERMAL INVESTIGATION NORTHWEST OF LAKE KERKINI, STRYMON BASIN (MACEDONIA, NORTHERN GREECE)
227	Eleni Koutsopoulou, Dimitrios Papoulis and Panagiota Tsolis-Katagas	EVALUATION OF THE IMPACT OF A LANDFILL ON THE SOIL PHYSICO-CHEMICAL PARAMETERS
232	Michalis Fitros, Stylianos Fotios Tombros and Sotirios Kokkalas	NUMERICAL SIMULATION OF THE KALLIANOS AU-AG-TE-BEARING ORE FLUID FLOW ALONG THE CBU DETACHMENT, ATTICO-CYCLADIC METALLOGENETIC MASSIF
234	Anja Lisa Holm, Ioannis Baziotis, Stephan Klemme and Jasper Berndt	EXHUMATION OF THE HIGH-PRESSURE NORTHWESTERN CYCLADES, AEGEAN: NEW THERMODYNAMIC DATA FROM PENTELE MOUNTAINS
243	Katerina Kouli, Maria Geraga, Georgios Michas, Konstantinos Panagiotopoulos, Sofia Pechlivanidou, Spyros Sergiou, Jeremy Everest, Gareth. Carter, Donna S. Shillington and Lisa C. McNeill	IODP EXPEDITION 381: DEVELOPMENT OF THE ACTIVE CORINTH RIFT
245	Caterina Kozanoglou, Grigoris Rousakis, Maria Geraga, Agnieszka Arabas, Alexandra Gogou, Constantine Parinos, Maria Triantaphyllou and George Papatheodorou	GEOCHEMICAL DISTRIBUTION AND FORAMINIFERAL ANALYSIS FROM A BASIN IN SE AEGEAN SEA.
246	Vasilios Skliros, Filio Daskalaki, Petros Tsakiridis and Maria Perraki	CARBON MINERALIZATION INTO NESQUEHONITE-BASED BUILDING MATERIALS.
247	Vasilios Skliros, Panagiotis Papazotos, Filio Daskalaki, Petros Tsakiridis and Maria Perraki	PRECIPITATION OF $MgCO_3 \cdot 3H_2O$ FROM AQUEOUS SOLUTIONS: THE ROLE OF $Mg^{2+} : CO_3^{2-}$ CONCENTRATION RATIO, PH AND TEMPERATURE
249	Marianna Kati, Eleni-Maria Chioti, Panagiotis Voudouris and Konstantina Gkoutzioupa	QUALITY ASSESSMENT OF EOCENE LIMESTONES IN ZAKYNTHOS ISLAND, WESTERN GREECE, FOR INDUSTRIAL USES
254	Aristeidis Stamatiadis, Lambrini Papadopoulou, Antonios Koroneos and Triantafyllos Soldatos	MINERALOGICAL AND GEOCHEMICAL STUDY OF THE CONTACT AUREOLE OF THE SITHONIA PLUTONIC COMPLEX, ELIA AREA, CHALKIDIKI PENINSULA, N. GREECE.
256	Georgia Karountzou, Vayia Xanthopoulou and Ioannis Iliopoulos	THE CONTRIBUTION OF VISIBLE NEAR INFRARED REFLECTANCE SPECTROSCOPY TO COLOUR DETERMINATION: THE CASE OF THE EXPERIMENTAL CERAMIC BRIQUETTES
260	Aikaterini Rogkala, Petros Petrounias and Panagiota P. Giannakopoulou	PETROGRAPHIC AND GEOCHEMICAL CHARACTERISTICS OF MANTLE PERIDOTITES OF EDESSA OPHIOLITE (NORTH GREECE)
267	Michael Vavelidis, Katerina Giouri, Eleni Michailidou, Lambrini Papadopoulou, Athanasia Karetou, Christos Stergiou and George Christidis	GEOLOGICAL ASPECTS OF THE ZEOLITIC TUFFS OF PETROTA REGION, EVROS, NORTHEASTERN GREECE
270	Vasiliki Stergiou, Paraskevi Lampropoulou, Petros Petrounias, Panagiota P. Giannakopoulou, Aikaterini Rogkala and Konstantin Hatzipanagiotou	MINERALOGICAL AND PETROGRAPHIC STUDY OF MAGNESITE AND ITS HOST ROCKS AT MANTOUDI AREA OF N. EUBOEA, GREECE
273	Aggelos Pallikarakis, Maria Triantaphyllou, Ioannis Papanikolaou, Margarita Dimiza, Klaus Reicherter and George Migiros	MULTI-PROXY ANALYSIS OF THE CORINTH ISTHMUS PLEISTOCENE SEDIMENTS: A CASE STUDY OF PALAEOENVIRONMENTAL RECONSTRUCTION IN A TECTONICALLY ACTIVE DOMAIN
280	Margarita Dimiza, Maria Triantaphyllou, Olga Koukousioura, Ioannis Michailidis, Vassiliki-Grigoria Dimou, Valentini Navrozidou, Katerina Aligizaki and Miltiadis Seferlis	LIVING COCCOLITHOPHORES AT AN ANTHROPOGENICALLY IMPACTED NERITIC SITE OF THERMAIKOS GULF, NW AEGEAN SEA
283	Maria Kokkaliari and Ioannis Iliopoulos	THE CONTRIBUTION OF NEAR INFRARED SPECTROSCOPY FOR THE CHARACTERIZATION OF CALCITE-RICH ROCKS
287	Olga Koukousioura, Katerina Kouli, Konstantinos Vouvalidis, Elina Aidona, Georgia Karadimou and Georgios Syrides	A MULTI-PROXY APPROACH FOR RECONSTRUCTING ENVIRONMENTAL DYNAMICS SINCE THE MID HOLOCENE, IN ISMARIDA LAKE (N. GREECE)

288	Maria Ramadani, Constantina Gianniou, Panagiotis Stamatis, Nikolaos Sofis, Maria-Elli Damoulianou and Stavros Kalaitzidis	PETROGRAPHICAL AND GEOCHEMICAL FEATURES OF UPPER CRETACEOUS NI-LATERITE AND KARSTIC-NICKEL ORES FROM LOKRIS (CONTINENTAL GREECE): IMPLICATIONS FOR BURIAL DEPTH.
289	Alexandra Ravani, Margarita Dimiza, Maria Triantaphyllou, Elisa Malinverno, Boris-Theophanis Karatsolis, Anna Lagaria and Stella Psarra	SUMMER COCCOLITHOPHORE COMMUNITY IN THE WESTERN BLACK SEA
296	Charalampos Klitorakis and Michael Stamatakis	BORATE AND SULPHATE SALT DEPOSITS OF THE LATE MIOCENE BASIN OF KARLOVASI, SAMOS GREECE
297	Maria Kokkaliari, Koutsopoulou Eleni, Stylianos Tombros F. and Seymour St. Karen	STUDY OF THE CHROMITE MINERALIZATION ASSOCIATED TO OFIOLITES FROM TINOS ISLAND, ATTICO-CYCLADIC MASSIF
302	Evangelos Tsakalos, Maria Kazantzaki, Yannis Bassiakos and Eleni Filippaki	HIGH RESOLUTION STRATIGRAPHY AND EVOLUTION OF SPERCHIOS DELTA PLAIN-GREECE BASED ON OPTICAL DATING OF QUARTZ AND FELDSPAR
304	Maria Kazantzaki, Evangelos Tsakalos, Theodora Rondoyanni, Yannis Bassiakos and Eleni Filippaki	MIDDLE PLEISTOCENE LUMINESCENCE AGES ON COASTAL SEDIMENTS FROM NORTH EVOIKOS GULF: OVERCOMING QUARTZ SATURATION BY ELEVATED-TEMPERATURE INFRARED STIMULATED LUMINESCENCE (IRSL) FROM FELDSPARS
307	Francesca Giovenzana, Valentina Alice Bracchi, Maria Triantaphyllou, Margarita Dimiza, Theodora Tsourou, Alessandra Savini, Cesare Corselli and Elisa Malinverno	LATE QUATERNARY EVOLUTION OF A TABULAR RELIEF IN THE SICILY CHANNEL THROUGH THE STUDY OF FORAMINIFERA AND OSTRACODS
317	Georgia Gkaniatsa, Assimina Antonarakou, George Kontakiotis, Vasiliki Lianou and George Anastasakis	TOWARDS A BIOSTRATIGRAPHIC-CONTROLLED CHRONOSTRATIGRAPHIC FRAMEWORK FOR THE AEGEAN SEA (EASTERN MEDITERRANEAN)
318	Elisavet Skampa, Maria Triantaphyllou, Margarita Dimiza, Alexandra Gogou, Elisa Malinverno, Spyros Stavrakakis, Ioannis Panagiotopoulos, Constantine Parinos and Karl-Heinz Baumann	BIOGENIC SEDIMENTATION IN THE NORTH AEGEAN SEA AND CLIMATIC IMPLICATIONS
321	Anna Katsigera, Margarita Dimiza, Olga Koukousioura, Aris Anastasiadis, Kosmas Pavlopoulos and Maria Triantaphyllou	MARINE GEOMORPHOLOGY AND ENVIRONMENTAL STATUS OF ELEFSIS BAY AND INNER SARONIKOS GULF, GREECE. A MULTIDISCIPLINARY ANALYSIS.
327	Danae Thivaïou, Efterpi Koskeridou, Mathias Harzhauser, Hara Drinia, Theodora Tsourou and Dimitra Mantzouka	LATE OLIGOCENE AND EARLY MIOCENE PALEOENVIRONMENTAL ANALYSIS OF THE MESOHellenic BASIN (GREVENA AREA, NW GREECE)
344	Ilias Lazos, Alexandros Chatzipetros, Spyros Pavlides, Stylianos Bitharis and Christos Pikridas	ACTIVE DEFORMATION PATTERN OF THE PELOPONNESE REGION, BASED ON GEOSTATISTICAL ANALYSIS OF PRIMARY GEODETIC DATA
350	Ilias Lazos, Christos Stergiou, Alexandros Chatzipetros, Vasilios Melfos, Panagiotis Voudouris and Christos Pikridas	ACTIVE TECTONICS AND PLIOCENE-PLEISTOCENE VOLCANIC ROCKS OF ALMOPIA AND CHAROPO (SITSI-KAMEN) AREAS IN NORTHERN GREECE
358	Theodora Tsourou, Sophia Cheilaris, Eugenia Fatourou, Ioannis Michailidis, Anastasios Nikitas, Maria Tzortzopoulou, Margarita Dimiza and Maria Triantaphyllou	MICROPALAEONTOLOGICAL ANALYSIS AND PALAEOENVIRONMENTAL INTERPRETATION OF THE SEDIMENTARY SEQUENCE IN THE CENTRAL CORINTH ISTHMUS (CENTRAL GREECE)
383	Evangelos Tzamos, Giovanni Grieco, Micol Bussolesi, Anthimos Xenidis, Anastasios Zouboulis and Athanasios Godelitsas	MINERALOGICAL AND GEOCHEMICAL INVESTIGATION OF SB-BEARING MINERALS FROM GREEK ORES
386	Ioannis Vakalas and Irene Zananiri	A GIS-BASED EVALUATION OF GRAIN ROUNDNESS
387	Elizabeth Stathopoulou, Myrto Mallouchou and Eirini Margariti	MINERAL STAINING IN EXCAVATED BONE: THE CASE OF DISPILIO, GREECE
391	Eleni Michailidou, Michail Vavelidis, Lambrini Papadopoulou and Nikolaos Kantiranis	MINERALOGICAL AND GEOCHEMICAL STUDY OF THE ZEOLITIZED VOLCANICLASTIC ROCKS OF PETROTA REGION, EVROS PREFECTURE, NORTHEASTERN GREECE

THURSDAY, 23 MAY 2019 | CENTRAL AUDITORIUM

T4. Geochemistry, Mineralogy, Petrology, Economic Geology, Volcanology –III			ID
Chairs: Argyro Asvesta, Stavros Triantafyllidis			
08:30-08:45	<i>Ananias Tsirambides</i>	Study of Neogene and Quaternary terrestrial and marine sediments from Macedonia and Thrace, Greece	9
08:45-09:00	Elif Varol, <i>Aslıhan Korkmaz</i> , Güllü Deniz Doğan Kùlahcı and Sibel Tatar Erkùl	Petrology and Geochemistry of volcanic rocks from Hisarlıkaya region (SW of Ankara) Central Anatolia, Turkey	62
09:00-09:15	Kyriaki Daskalopoulou, Sergio Calabrese, Antonina Lisa Gagliano, Lorenza Li Vigni and <i>Walter D'Alessandro</i>	Origin of the geogenic gases and preliminary estimation of the carbon release of Greece	115
09:15-09:30	<i>Francesca Paraschos</i> , Helen Kaberi, Dimitris Sakellariou, Maria Geraga and Spyros Sergiou	Application of the XRF-core scanning technique in the study of late Quaternary palaeoclimatic changes within the southern Red Sea	163
09:30-09:45	<i>Andreas Iordanidis</i> , Javier Garcia-Guinea, Nikolaos Zouros and Argyro Asvesta	Silica polymorphs in the mineral assemblage of fossil plant samples from Lesvos Petrified Forest	3
09:45-10:00	<i>Stavros Triantafyllidis</i> and Filothei Pappa	Multidisciplinary investigation of seabed sediments in revealing the exploitation history and ore-types exploited, Lavrion, Greece	21
10:00-10:15	<i>Georgios Christidis</i> , Katerina Paipoutlidi, Ioannis Marantos and Vasileios Perdikatsis	Determination of amorphous matter in industrial minerals with X-ray diffraction using Rietveld refinement.	124

10:15-11:15 COFFEE BREAK and POSTER SESSION

T6/T6.S1. Geo-Energy: from Exploration to Technological Advances and Sustainability			ID
Chairs: Yannis Bassias, Spyros Bellas			
			
11:15-11:30	Ahmed El Bassiony, Tony Martin and Kevin Shrimpton	Salt layer velocity modelling in the East Mediterranean basins	43
11:30-11:45	Pablo Hernandez and Ruben Perez	New structural and petroleum system models of the Ionian Zone, North-Western Greece	77
11:45-12:00	Sotirios Kokkalas, Syed Nizamuddin and Sandra Vega	Multi-scale fracture network characteristics in a carbonate reservoir outcrop analogue: Insights from μ CT data in core plugs and thin sections	357
12:00-12:15	Ioakeim Ioakeimidis, Nikolaos Kantiranis, Andreas Georgakopoulos, Paschalia Kiomourtzi and Ananias Tsirambides	Diagenetic processes into the reservoir of the oil field of Prinos-Kavala Basin, Macedonia, Greece	148
12:15-12:30	Efthymios Tripsanas, Dimitrios Sakellariou, Grigorios Rousakis, Aikaterini Stathopoulou and Nikolaos Lykakis	Near-seafloor geohazards analysis of the western Patraikos block, offshore western Greece	251
12:30-12:45	Apostolos Arvanitis, Nikolaos Koukouzas, Petros Koutsovitis, Dimitrios Karapanos and Eleonora Manoukian	Combined CO ₂ geological storage and geothermal energy utilization in Greece	336
12:45-13:00	Nikolaos Koukouzas and Vasiliki Gemeni	Potential CO ₂ storage sites in Greece – A review	197

13:00-13:45 COFFEE BREAK and POSTER SESSION

T4.S1. Geochemical mapping for environmental and resource management -I			ID
Chairs: Ariadne Argyraki, Alexandros Liakopoulos			
13:45-14:15	<i>Anna Ladenberger</i>	KEYNOTE TALK: GEMAS: GEOCHEMISTRY OF EUROPEAN SOIL FOR PRODUCING GOOD QUALITY FOOD	
14:15-14:30	<i>Alecos Demetriades, Timo Tarvainen, Clemens Reimann, Philippe Negrel, Anna Ladenberger, Manfred Birke and Martiya Sadeghi</i>	FOREGS, EGG and GEMAS: European Continental-scale Geochemical Projects for Environmental and Resource Management	66
14:30-14:45	<i>Philippe Negrel, Anna Ladenberger, Clemens Reimann, Manfred Birke, Alecos Demetriades and Martiya Sadeghi</i>	GEMAS: Geochemical mapping of Mg in agricultural soil of Europe and its criticality assessment	65
14:45-15:00	<i>Timo Tarvainen, Tarja Hatakka and Kirsti Loukola-Ruskeeniemi</i>	European wide data on arsenic concentrations in agricultural soils, waters and crops (AgriAs project)	46
15:00-15:15	<i>Tarja Hatakka and Timo Tarvainen</i>	Soil geochemical baselines of Ni on a continental, national and local scale	64
15:15-15:30	<i>Nikolaos Zegkinoglou, Stephanos Kiliyas, Daniel Smith, Manuel Keith, Paraskevi Nomikou and Paraskevi Polymenakou</i>	Decoupled geochemical behaviour of Tl and, Au and As, in modern sea-floor massive sulfides, Kolumbo arc-volcano: evidence from LA-ICP-MS elemental mapping of (Au,Tl,Sb)-rich arsenian pyrite	339

15:45-16:30 LUNCH BREAK

T4.S1. Geochemical mapping for environmental and resource management -II			ID
Chairs: Alecos Demetriades, Christina Stouraiti, Timo Tarvainen			
16:30-17:00	Andrew Hursthouse	KEYNOTE TALK: SOIL CONTAMINANT BASELINES IN THE MANAGEMENT OF URBAN ECOSYSTEMS	
17:00-17:15	Ariadne Argyraki and Efstratios Kelepertzis	Combining geochemical mapping with mineralogical and chemical data for improved interpretation of elemental mobility in the urban environment	274
17:15-17:30	<i>Paraskevi-Maria Kourgia, Ariadne Argyraki, Emmanouil Dassenakis, Michael Skoullou and Vasiliki Paraskevopoulou</i>	The fate of trace metals in urban surface drainage deposits of the Athens Basin, Greece	125
17:30-17:45	<i>Efstratios Kelepertzis, Konstantina Pyrgaki, Ariadne Argyraki, Fotini Botsou, Pascal Boeckx, Ifigeneia Megremi, Sotirios Karavoltos and Manos Dassenakis</i>	Application of dual isotopes ($\delta^{15}\text{N}$, $\delta^{18}\text{O}$) to determine nitrate contamination sources in Cr(VI)-impacted groundwater of central Greece aquifers	32
17:45-18:00	<i>Alexandros Liakopoulos, Bruno Lemiere and Valérie Laperche</i>	Field-portable X-Ray spectrometry as rapid measurement tool for environmental geochemical investigations in former mining areas: the case of Kirki mines (Greece)	81
18:00-18:15	<i>Andreas Gondikas, Theodora Kalampaliki, Ana Dura, Michael Chronakis, Paraskevi Nomikou, Athanasios Godelitsas, Spiros Pergantis, Theodoros Mertzimekis and Martin Hasselov</i>	Detection of engineered, incidental, and natural nanoparticles in marine waters, in the proximity of islands	253

THURSDAY, 23 MAY 2019 | CEREMONIAL HALL

T1.S1. Updating Paleontology and Stratigraphy in Greece and Eastern Mediterranean –III			ID
Chairs: Hara Drinia, Assimina Antonarakou, Efterpi Koskeridou			
08:30-08:45	<i>Eleni Liapi</i> , Dimitris Karanikolas, Eleni Tokmaktsi, Maria Tsoni, Giannis Zidianakis and George Iliopoulos	The flora of NW Peloponnese during the Middle Pleistocene (Vigla Sychainon, Rio-Antirio Basin) - Preliminary results	254
08:45-09:00	<i>Christos Psarras</i> , Efterpi Koskeridou, Didier Merle, Assimina Antonarakou, George Kontakiotis and Ioannis Kyriakoulis	Spatial distribution of epibenthic molluscs on a Tortonian reef in central Crete, Greece	338
09:00-09:15	<i>Maria Tsoni</i> , George Iliopoulos, Ioannis Koukouvelas, Sofia Kostopoulou and Nikolaos Kontopoulos	Palaeoenvironmental evolution of Rio basin during the Middle Pleistocene	137
09:15-09:30	Konstantinos Panagiotopoulos, Katerina Kouli, Odile Peyron, Styliani Kyriku, Alex Francke, Niclas Leicher and Bern Wagner	Late Glacial and Holocene vegetation history and climate variability in southwestern Balkan	106
09:30-09:45	<i>Stergios Zarkogiannis</i> , Assimina Antonarakou, George Kontakiotis, Hara Drinia and P. Graham Mortyn	Abiotic forcing on planktonic foraminifera shell mass variations	322
09:45-10:00	<i>Olga Koukousioura</i> , Sofia Georgiou, Margarita Dimiza, Ioannis Michailidis, Elina Aidona, Miltos Seferlis, Christoforos Christoforidis, Manolis Evgenakis and Maria Triantaphyllou	Benthic foraminifera as a tool for environmental evaluation in Thermaikos Gulf, NW Aegean Sea	109
10:00-10:15	<i>Alexandros Emmanouilidis</i> , Gerasimos Messaris, Epameinondas Ntzanis, Petros Zampakis and Pavlos Avramidis	The use of X-ray computed tomography (CT) on varved lake sediments for the identification of different sedimentological facies	127

10:15-11:15 COFFEE BREAK and POSTER SESSION

T4.S2. Insights into the Nature of the Earth's Upper Mantle approached from the study of Ophiolites and Volcanic Rocks			ID
Chairs: Petros Koutsovitis, Theodoros Daflos, Andreas Magganas			
11:15-11:45	Carlos Garrido	KEYNOTE TALK: THE OPENING OF THE WESTERN MEDITERRANEAN DURING THE ALPINE OROGENY: A PERSPECTIVE FROM OROGENIC PERIDOTITES AND UHP ECLOGITES	
11:45-12:00	Anne Rassios	Internal lithospheric rotation at the initiation of rift-drift: an example of proto-transform era tectonics from the Vourinos Ophiolite, Greece	85
12:00-12:15	Theodoros Ntaflos, Kujtim Onuzi, Christoph Hauzenberger, Alexander Hugh Rice and Peter Proßegger	The Mirdita Eastern ophiolite, Albania: non-metasomatized Spinel-harzburgites within the suprasubduction ophiolite of Tropoje	173
12:15-12:30	<i>Petros Koutsovitis</i> , Andreas Magganas, Theodoros Ntaflos and Nikolaos Koukouzas	Metasomatism of Triassic ultramafic cumulates and lavas in Othris, Greece	154
12:30-12:45	<i>Christos Karkalis</i> , Andreas Magganas and Petros Koutsovitis	Serpentinization and Ca-metasomatism of the rodingite dykes intruding ultramafic olistostromes of Kimi flysch, Evia Island (Greece)	153
12:45-13:00	Soujung Kim, Sanghoon Kwon, Yirang Jang and <i>Sotirios Kokkalas</i>	New Insights into the tectonic evolution of the UAE-Oman Ophiolite Suite	264

13:00-13:45 COFFEE BREAK and POSTER SESSION

T1.S2. Sedimentary Processes, Depositional Settings and Basin analysis –I			ID
Chairs: George Anastasakis, Avraam Zelilidis			
13:45-14:00	Leonidas Moforis, Vasileios Karakitsios, Georgios Kontakiotis, Dimitrios Galanakis and Assimina Antonarakou	Hydrocarbon potential, sediment characteristics and facies analysis of a Lower Jurassic-Eocene Carbonate succession in Western Greece	331
14:00-14:15	Nicolina Bourli, <i>Chrysanthi Stauropoulou</i> , Aggelos Maravelis, Nikolaos Pasadakis, Eleni Chamilaki and Avraam Zelilidis	Preliminary results for the possibility of Lower Cretaceous Vigla shales to be a major source formation for the production of hydrocarbons in the Ionian basin.	132
14:15-14:30	<i>Alexandros Emmanouilidis</i> , Ingmar Unkel and Pavlos Avramidis	Climate reconstruction and environmental changes during the Holocene period based on a varved sediment record from Vouliagmeni lake, Corinth Gulf, Greece	202
14:30-14:45	Agis Livas, Nikolaos Kantiranis, Marianna Kati and Lambrini Papadopoulou	Lithological and mineralogical study of Quaternary clastic materials of the Internal Thermaikos Gulf	8

14:45-15:00	<i>Georgios Makrodimitras</i> and <i>Vasiliki Kosmidou</i>	Facies associations review of depositional environments In the External Hellenides Isopic zones, Ionian Sea and Western Greece margin	217
15:00-15:15	<i>Evangelia Besiou</i> , <i>George Kontakiotis</i> , <i>Assimina Antonarakou</i> , <i>Graham P. Mortyn</i> , <i>Hara Drinia</i> , <i>Efterpi Koskeridou</i> and <i>Vasileios Karakitsios</i>	Evidence of strong sea surface temperature and salinity decline after the Tortonian-Messinian Boundary based on paired foraminiferal Sr/Ca and $\delta^{18}O$ analyses	315
15:15-15:30	<i>Olga Koumoutsakou</i> , <i>George Anastasakis</i> and <i>Assimina Antonarakou</i>	Provenance of deep sea turbidites in two South Aegean basins	352
15:30-15:45	<i>Nikolaos Dimopoulos</i> , <i>Eleftherios Georgoulas</i> , <i>Savvas Peridis</i> , <i>George Iliopoulos</i> , <i>Nicolina Bourli</i> and <i>Avraam Zelilidis</i>	New sedimentological finding studying the Cretaceous deposits along the new Ionian road around the Amphilocheia and Arta sections	207

15:45-16:30 LUNCH BREAK

T1.S2. Sedimentary Processes, Depositional Settings and Basin analysis –II			ID
Chairs: <i>Avraam Zelilidis</i> , <i>Pavlos Avramidis</i>			
16:30-17:00	<i>Angelos Bougiouris</i> , <i>Panagiotis Foutrakis</i> , <i>George Kontakiotis</i> and <i>George Anastasakis</i>	Lithostratigraphic response of the last sea level cycle in the Saronikos shelf	337
17:00-17:15	<i>Nicolina Bourli</i> and <i>Avraam Zelilidis</i>	Preliminary results from soft-sediment deformation of Lower Cretaceous Vigla Limestones of Kastos Island and their Support to basin evolution	228
17:00-17:15	<i>Ioannis Prevedouros</i> , <i>Alexandros Emmanouilidis</i> and <i>Pavlos Avramidis</i>	Sedimentary facies recognition using XRF core scanner, on two former lagoonal systems of western Peloponnese, Greece	210
17:15-17:30	<i>Vasiliki Kosmidou</i> , <i>George Makrodimitras</i> and <i>Spyros Bellas</i>	A regional study of the Ionian Sea and its hydrocarbon prospectivity, offshore W. Greece	222
17:30-17:45	<i>Nicolina Bourli</i> , <i>Maria Kokkaliari</i> , <i>Ioannis Iliopoulos</i> and <i>Avraam Zelilidis</i>	Approaching the porosity values of Cretaceous carbonate deposits in Araxos peninsula and Kastos Island (North-Western Peloponnese, Greece) for the characterization of reservoir quality	230
17:45-18:00	<i>Andreas Kostis</i> , <i>Assimina Antonarakou</i> , <i>George Kontakiotis</i> , <i>Efterpi Koskeridou</i> and <i>Hara Drinia</i>	Integrated stratigraphy and paleoceanographic reconstruction for the Messinian sedimentary sequence in a marginal sector of the Eastern Mediterranean: Agios Myron Section (Crete Island)	316
18:00-18:15	<i>Sofia Kostopoulou</i> , <i>Angelos Maravelis</i> , <i>Chrysanthos Mpotziolis</i> and <i>Avraam Zelilidis</i>	Revealing the Eocene-Oligocene transition in Pindos foreland basin, western Greece	164
15:15-18:30	<i>Dimitris Bassukas</i> , <i>Alexandros Emmanouilidis</i> , <i>Dionisios Panagiotaras</i> and <i>Pavlos Avramidis</i>	Spatial, Sedimentological, geochemical and mineralogical characterization of Vouliagameni coastal Lake, Greece	211

THURSDAY, 23 MAY 2019 | ROOM 2.2

T3.S2. Seismicity & Geodynamics in Ionian Islands and Corinth Gulf			ID
Chairs: Pierre Briole, Vassilios Karakostas, George Kaviris, Eftimios Sokos			
08:30-08:45	<i>Panagiotis Elias</i> and Pierre Briole	SAR multi-temporal interferometry for precise ground deformation mapping of the Corinth rift, Greece. Deriving parameters of Rio-Patra oblique slow slipping fault	330
08:45-09:00	<i>Georgios Michas</i> and Filippos Vallianatos	Stochastic modelling of anomalous earthquake diffusion in the 2001 Agios Ioannis earthquake swarm (Corinth Rift)	216
09:00-09:15	<i>Ioannis Spingos</i> , George Kaviris, Christos Millas, Vasileios Kapetanidis, Panayotis Papadimitriou, Nicholas Voulgaris and Kostas Makropoulos	Spatial Variations of seismic anisotropy in the western Gulf of Corinth	29
09:15-09:30	Vassilios Karakostas, Eleftheria Papadimitriou, Anastasios Kostoglou and Dimitris Chorozoglou	The 2018 Zakynthos Island, Greece, earthquake sequence: Implications in a region of distributed deformation	112
09:30-09:45	Panayotis Papadimitriou, Vasileios Kapetanidis, Andreas Karakonstantis, Ioannis Spingos, Kyriaki Pavlou, George Kaviris, Ioannis Kassaras and Nikolaos Voulgaris	The 25th October, 2018 Zakynthos earthquake	224
09:45-10:00	Vassilios Karakostas, Eleftheria Papadimitriou, Anastasios Kostoglou, Ourania Mangira and Polyzois Bountzis	Spatiotemporal analysis of the early 2019 seismic excitation offshore north Lefkada Island	108

10:15-11:15 COFFEE BREAK and POSTER SESSION

T3.S3. HELPOS: Hellenic Plate Observation System			ID
Chairs: Panagiotis Papadimitriou, Vassileios Sakkas, Christos Evangelidis			
11:15-11:30	Panayotis Papadimitriou, Kyriaki Pavlou, Andreas Karakonstantis, Vasileios Kapetanidis, Ioannis Spingos, George Kaviris, Ioannis Kassaras and Nikolaos Voulgaris	Recent significant seismic activity in Greece	367
11:30-11:45	Vasilis Kapetanidis and Ioannis Kassaras	Crustal stress-field in Greece and implications on faulting mechanisms	165
11:45-12:00	<i>Vassilis Sakkas</i> , Kyriaki Pavlou, Spyridoula Vassilopoulou and Evangelos Lagios	GPS networks in seismically active areas of Western Greece: The case of Zakynthos earthquake (Mw=6.8) of October 25, 2018	311
12:00-12:15	<i>Ioannis Kassaras</i> , Danai Kazantzidou-Firtinidou, Vasilis Kapetanidis, Georgios Sakkas, Spiridoula Vassilopoulou, Stathes Hadjiefthymiades and Panayotis Papadimitriou	A GIS platform for rapid seismic risk assessment in Greece – Case study Cephalonia Isl.	204
12:15-12:30	Nikos Vavlas, Anastasia Kiratzi, Basil Margaris and George Karakaisis	Probabilistic seismic hazard assessment for Lesvos Island using multiple seismic source models combined in a logic tree to account for epistemic uncertainty	310
12:30-12:45	Christos Evangelidis, Eftimios Sokos, Athanasios Ganas, Konstantinos Chousianitis, Kiriakos Kontakos, Spyros Liakopoulos, Michalis Samios, Kostas Boukouras and Ioannis Karamitros	Methana volcanic observatory: Towards a seismic and geodetic network deployment to monitor seismicity, seismic velocity changes and deformation	237

13:00-13:45 COFFEE BREAK and POSTER SESSION

T2. Geodynamics, Tectonics and Structural Geology –I			ID
Chairs: Alexandros Chatzipetros, Haralambos Kranis			
13:45-14:00	<i>Massimiliano Maggini</i> and Riccardo Caputo	Rheological transects across the Aegean region: A contribution for the seismotectonics of the area	388
14:00-14:15	Apostolos Alexopoulos, Emmanuel Skourtsos and Haralambos Kranis	Gravity driven slope-failures along Late Cenozoic basin Margins in the Outer Hellenic Arc	371
14:15-14:30	Chrysa Doxa, Vasilios Sakkas, Andreas Tzanis and Haralambos Kranis	Contemporary kinematics of the South Aegean area detected with Differential GNSS measurements	328
14:30-14:45	Nikolas Papadimitriou, Christian Gorini, Vasiliki Kosmidou and Yiannis Bassias	Carbonate -platform Basin systems evolved through compression tectonics: Examples from the Mediterranean region	218
14:45-15:00	<i>Konstantinos Oikonomopoulos</i> , George Makrodimitras, Nikolas Papadimitriou and Yiannis Bassias	Seismic Character as a tool to identify different geotectonic zones In the frontier area offshore south of Crete, Greece	226
15:00-15:15	<i>Leonidas Gouliotis</i> , George Panagopoulos, Konstantinos Nikolaou and Dennis Anastoudis	Interaction of strike slip faulting and salt wall formation in the Katakolo area, NW Peloponnese, Greece	238
15:15-15:30	<i>Michalis Delagas</i>	Intra oceanic subduction initiation	27

15:30-16:30 LUNCH BREAK

T2. Geodynamics, Tectonics and Structural Geology –II			ID
Chairs: Ioannis Papanikolaou, Emmanuel Skourtsos			
16:30-17:00	Agathe Faucher, Frédéric Gueydan, Marc Jolivet and Manar Alsaif	Mid-Miocene strike slip in continental Greece	172
17:00-17:15	Evgenia Moraiti and <i>Apostolos Alexopoulos</i>	The Upper Miocene sediments of Anoghia: their significance for the tectonic evolution of Crete, Greece	378
17:15-17:30	Emmanuel Skourtsos, Apostolos Alexopoulos and Spyridon Lekkas	Intra-mountainous late orogenic high-angle normal faulting in Mt Parnon, Peloponnesus, Greece	353
17:30-17:45	Ioannis Papanikolaou, Georgios Deligiannakis, Pavlos Dafnis, James Hengesh, Anestis Panagopoulos and Evriviades Lymperis	Active Faults and seismic hazard assessment at the Mygdonia, Strymon and Drama Basins, Northern Greece, based on paleoseismic trenching and radiometric dating	208
17:45-18:00	Anna Zervopoulou, <i>Alexandros Chatzipetros</i> , Spyros Pavlides and Ilias Lazos	Pattern of active deformation in the area of Thermaikos Gulf and Pieria (Northern Greece), based on morphotectonics and satellite geodesy	349
18:00-18:15	<i>Sotirios Valkaniotis</i> , L. Gouliotis, S. Pavlides and S. Skovolos	Late Quaternary extension in eastern Mirabello bay, Ierapetra Fault Zone, Crete, Greece	326
18:00-18:15	<i>Evangelos Tsakalos</i> , Aiming Lin, Maria Kazantzaki, Yannis Bassiakos, Eleni Filippaki and Takafumi Nishiwaki	Absolute dating of neotectonic events: A feasibility study on gouge material from the Nojima and Asano Faults, NW Awaji Island, Japan	303

THURSDAY, 23 MAY 2019 | ROOM 1.2

T7/T7.S1. Natural hazards under climate change impact			ID
Chairs: Constantinos Loupasakis, Paraskevas Tsangaratos			
11:15-11:30	<i>Maria Andreou</i> , Sotirios Karalis, Vasilis Batzakis and Efthymios Karimbalis	Floodplain mapping using hydraulic simulation Hec-RAS in G.I.S: A case study for Rafina basin (Attica, Greece) based on February 2013 storm event	141
11:30-11:45	Nafsika-Ioanna Spyrou, Eirini-Spyridoula Stanota, Michalis Diakakis, Emmanuel Andreadakis, Georgios Deligiannakis and Efthymios Lekkas	Boundary and estimation of the flood development velocity using Unmanned Aerial Vehicle (UAV)-derived imagery and ground observations: the case of the 2017 Mandra flash flood in Greece	347
11:45-12:00	<i>Constantine Perissoratis</i>	Climate change and its impacts in the recent geological past and to days and the role of earth scientist.	26
12:00-12:15	Emmanuel Skourtsos, Stylianos Lozios, Konstantinos Soukis, Barbara Antoniou, Emmanuel Andreadakis, Sp. Mavroulis, Christos Fillis, Nafsika-Ioanna Spyrou, Ioannis Lialiaris, Vas. Alexoudi, N. Voulgaris and Efthymios Lekkas	Landslides induced by the 2017 Lesvos (North Eastern Aegean Sea) earthquake and engineering measures for landslide disaster mitigation	330
12:15-12:30	<i>Katerina Michalaki</i> and Ioannis Kassaras	Development of a comprehensive seismic risk model for Heraklion (Crete)	262
12:30-12:45	<i>Georgios Deligiannakis</i> , Ioannis Papanikolaou, Alexandros Zimbidis and Iraklis Kakouris	SCR calculation using a fault specific earthquake CAT model compared with the EIOPA standard formula.	286
12:45-13:00	<i>Evgenii Sharkov</i>	Catastrophic volcano explosive eruptions: causes and mechanisms	11

13:00-13:45 COFFEE BREAK and POSTER SESSION

T7.S3. The Geohazard supersites initiative with emphasis on the Greek supersite (Enceladus)			ID
Chairs: Spyros Lalechos, Thomas Salonikios			
13:45-14:15	<i>Stefano Salvi</i>	KEYNOTE TALK: THE GEO - GEOHAZARD SUPERSITES AND NATURAL LABORATORIES INITIATIVE	
14:15-14:30	<i>Thomas Salonikios</i>	Response of monumental buildings during the seismic sequence in Peloponnesus Greece. Relation parameters between records and analysis seismic loads	384
14:30-14:45	Dimitris Christodoulou, Stavroula Kordella, George Papatheodorou, Giuseppe Etiope, Giuditta Marinaro, Athena Chalari and Maria Gatsou	Monitoring of seabed fluid flow through underwater benthic observatories. Environmental and geohazard assessment. Case studies from Patras and Katakolo harbours	379

14:45-15:00	Christos Kontopoulos, Vasiliki Charalampopoulou, Charalampos Saroglou, Constantine Spyarakos and Charilaos Maniatakis	Structural stability risk assessment for Nafplio and Lavrion part of the EnCeladus hellenic Supersite	39
15:00-15:15	Rozalia Mina, Stylianos Lozios, Konstantinos Soukis and Isaak Parcharidis	Deformation monitoring of the wider area of Kaparelli - Plataies with the contribution of multitemporal SAR interferometry and Copernicus Earth observation images	335

15:30-16:30 LUNCH BREAK

T7.S2. New advances in InSAR and GNSS techniques and their applications for geohazards			ID
Chairs: Panagiotis Elias, Michael Foumelis. Athanassios Ganas			
16:30-17:00	Panagiotis Psimoulis	KEYNOTE TALK: ANALYSIS OF GPS NETWORK DATA FOR DETECTING ANOMALIES AND GEOHAZARDS	
17:00-17:15	Theodora Papadopoulou, Philippe Bally, Michael Foumelis, Fabrizio Pacini, Floriane Provost and Marco Leonardi	The GLab to support the geohazards community – experience of the Geohazards Exploitation Platform initiative of the European Space Agency	152
17:15-17:30	Sotiris Valkaniotis and Athanassios Ganas	Mapping deformation due to moderate/strong seismic events with Geohazards TEP - An overview of year 2018	323
17:30-17:45	Athanassios Ganas, Pierre Briole, George Bozionelos, Panagiotis Elias, Sotiris Valkaniotis, Varvara Tsironi, Alexandra Moshou and Nikoletta Andritsou	The October 25, 2018 M6.7 Zakynthos earthquake sequence (Ionian Sea, Greece): fault modelling from seismic and GNSS data and implications for seismic strain release along the western Hellenic Arc	324
17:45-18:00	Yiota Spastra, Stelios Bollanos, Giuseppe Forenza and Antonello Aiello	RHETICUS: Insightful Geo-Analytics for detecting ground instabilities and monitoring critical infrastructures	200

THURSDAY, 23 MAY 2019 | ROOM 1.1

T11. W1 Geoinformatics: Earth Observation - GIS free & open software, data and platforms	
Instructor: Issaak Parcharidis	
11:15-13:00	PART III
13:00-13:45	COFFEE BREAK and POSTER SESSION
13:45-15:30	PART IV

THURSDAY, 23 MAY 2019 | ROOM 2.1

T9.W1. Free and open source tools for groundwater resources management	
Instructor: Andreas Kallioras	
08:30-10:15	PART I
10:15-11:15	COFFEE BREAK and POSTER SESSION
11:15-13:00	PART II
13:00-13:45	COFFEE BREAK and POSTER SESSION
13:45-15:30	PART III
15:30-16:30	LUNCH BREAK
16:30-18:30	PART IV

THURSDAY, 23 MAY 2019 | POSTER SESSIONS: T1.S2, T3, T4.S1, T4.S2, T7, T8, T12

ID	Authors	Poster Title
4	Michael Contadakis, Dimitrios Arabelos and Emmanuel Scordilis	LOWER IONOSPHERIC TURBULENCE VARIATIONS DURING THE RECENT ACTIVITY OF ETNA VOLCANO, SICILY IN DECEMBER 2018
12	Georgios Papastergios, Paraskevi Tzoumaka and Apostolos Kelessis	INDOOR AND OUTDOOR AIR POLLUTION MONITORING DEVELOPMENTS IN THE MUNICIPALITY OF THESSALONIKI – PRELIMINARY ACTIONS FROM THREE EUROPEAN FUNDED PROJECTS
14	Anna Pasieczna, Agnieszka Konon and Irena Wysocka	ENVIRONMENTAL CONTAMINATION OF SOILS BY CADMIUM, ASSOCIATED WITH FORMER ZN-PB ORE MINING ACTIVITY IN THE UPPER SILESIA REGION (SOUTHERN POLAND)
25	Vasileia Chondraki, Kapsimalis, Poulos, Nomikou, Vandarakis and Petrakis	ALTERATIONS OF THE COASTAL ZONE IN KAMARI BEACH (SANTORINI ISLAND, CYCLADES GREECE)
33	George Kaviris, Ioannis Spingos, Vasilis Kapetanidis, Christos Millas, Panayotis Papadimitriou, Nicholas Voulgaris and Kostas Makropoulos	THE SIGNIFICANCE OF LOCAL NETWORKS IN SHEAR-WAVE SPLITTING: THE CASE OF THE GULF OF CORINTH
40	Vasileios Karakitsios, Nefeli Kafousia, George Kontakiotis, Konstantina Agjadi and Assimina Antonarakou	PALEOENVIRONMENTAL CONDITIONS AND HYDROCARBON POTENTIAL ASSESSMENT ON THE LATE MIOCENE EVAPORITIC SEDIMENTS OF ZAKYNTHOS ISLAND (GREECE)
56	John D. Alexopoulos, Spyridon Dilalos, Georgia S. Mitsika, Haralambos Kranis and Efthymis Lekkas	THE CONTRIBUTION OF GEOPHYSICAL SURVEY TO SEISMIC HAZARD MAPPING AT FARSALA BASIN (GREECE)
67	Alecos Demetriades, Christopher Johnson, Manfred Birke and Anna Ladenberger	URGE: THE EUROGEOSURVEYS GEOCHEMISTRY EXPERT GROUP'S URBAN GEOCHEMISTRY PROJECTS
76	Sofia Tassiou, Alexandros Liakopoulos and Alecos Demetriades	URBAN GEOCHEMICAL SURVEYS IN HELLAS
78	Georgia Mitsika, Spyridon Dilalos, Panagiotis Nastos, John Alexopoulos, Pinelopi Delipetrou and Kyriacos Georghiou	HIGH ALTITUDE METEOROLOGICAL OBSERVATIONS IN CENTRAL GREECE
79	Georgios Sakkas, Vassiliki Kouskouna, George Kaviris, Nikolaos Sakellariou and Ioannis Misailidis	REAL-TIME SHAKING MAPS OF PGA AND PGR IN GREECE
83	Ioannis Zafeiriou, Georgios Kalyvas, Dafni Ioannou and Ioannis Massas	APPLICATION OF PHOSPHATES IN MINE AFFECTED SOILS INCREASES ARSENIC AVAILABILITY FOR PLANT UPTAKE: PRELIMINARY RESULTS
87	Nikolaos Sakellariou, Antonis Pomonis, Vasiliki Kouskouna, Georgios Kaviris, Georgios Sakkas, Ioannis Misailidis and Maria Tzouxanioti	SEISMIC VULNERABILITY CATEGORIZATION OF THE GREEK BUILDING STOCK
93	Spyridon Dilalos and John D. Alexopoulos	URBAN GRAVITY MEASUREMENTS FOR THE SUBSURFACE INVESTIGATION OF ATHENS BASIN (GREECE)
95	Vasilis Kapetanidis, Panayotis Papadimitriou and George Kaviris	EARTHQUAKE EARLY WARNING APPLICATION IN CENTRAL GREECE
100	Ioannis Kassaras, Vasilis Kapetanidis, Andreas Karakonstantis, Ioannis Spingos, George Kaviris and Panayotis Papadimitriou	SHEAR VELOCITY STRUCTURE OF THE HELLENIC UPPER MANTLE FROM RAYLEIGH-WAVE DISPERSION
102	Daniella Tolmács	GEOCHEMICAL SURVEY DATABASE OF HUNGARY – CONCEPT, DEVELOPMENT AND APPLICATION
113	Ploutarchos Tzampoglou and Constantinos Loupasakis	LAND SUBSIDENCE DUE TO THE OVEREXPLOITATION OF THE AQUIFER AT THE VALTONERA VILLAGE
118	Alkiviadis Sideridis, Lamprini Papadopoulou, Basilios Tsikouras and Pavlos Tsitsanis	RODINGITIZED GABBROIC ROCKS IN VAVDOS OPHIOLITE, WEST CHALKIDIKI, NORTH GREECE
121	Stylianios Potamousis, Ariadne Argyraki and Konstantina Pyrgaki	DEVELOPMENT OF A GIS STORY MAP FOR IMPROVED COMMUNICATION OF THE ERANETMED CRITERIA PROJECT RESULTS ON CR(VI)- IMPACTED WATER BODIES OF THE MEDITERRANEAN
126	Hooman Dadashzadehahari and Omid Ardabili	KNOWLEDGE-DRIVEN PREDICTIVE MAPPING OF COPPER PROSPECTIVITY IN THE PART OF THE KHORASAN RAZAVI PROVINCE, NE OF IRAN.
140	Marilia Gogou, Katerina Navsika Katsetsiadou, Efthymis Lekkas and Emmanouil Andreadakis	THE 21 JULY 2017, KOS -BODRUM TSUNAMI INTENSITY MAPPING: APPLYING THE INTEGRATED TSUNAMI INTENSITY SCALE (ITIS2012)
143	Ourania Mangira, Eleftheria Papadimitriou, Vassilios Karakostas and Georgios Vasiliadis	TEMPORAL VARIATIONS OF B-VALUES IN CENTRAL IONIAN ISLANDS
145	Eleftheria Karampetsou, Lamprini Arvaniti, Konstantinos Kollias, Christina Stouraiti and Evdokia Kampouroglou	DISTRIBUTION OF TRACE ELEMENTS IN OLD LIGNITE DISPOSAL SITES AND POTENTIAL IMPACT ON THE LOCAL ENVIRONMENT, OROPOS BASIN, NORTHERN ATTIKA
155	Giannis Kourliaftis, Emmanuel Vassilakis, Vassilios Kapsimalis, Serafim Poulos and Dimitrios Vandarakis	EVOLUTION OF THE COASTAL ENVIRONMENT OF THE MARATHON BAY BASED ON THE SHORELINE DISPLACEMENT RATE FOR THE LAST 80 YEARS
161	Konstantina Pyrgaki, Pavlos Krassakis, Vasiliki Gemeni, Nikolaos Koukouzas, Ariadne Argyraki and Konstantinos Voudouris	SEASONAL AND TEMPORAL VARIATION OF THE PIEZOMETRIC LEVEL IN THE ALLUVIAL AQUIFER OF LOUTRAKI (KORINTHIA), WITH THE USE OF GIS MAPPING TECHNIQUES

176	Dimitrios-Vasileios Batzakis, Loukas-Moysis Misthos, Gerasimos Voulgaris, Ioannis Tsodoulos, Konstantinos Tsanakas, Maria Andreou and Efthimios Karymbalis	ASSESSING BUILDING VULNERABILITY TO TSUNAMI HAZARD IN KAMARI, SANTORINI, GREECE
190	Charalampos Kkallas, Chrisanthi Ventouzi and Costas Papazachos	STOCHASTIC SIMULATION OF THE INTERMEDIATE EARTHQUAKES USING THE 3D ATTENUATION MODEL FOR THE SOUTHERN AEGEAN SUBDUCTION ZONE
196	Michael Foumelis, Thomas Dewez and Elena Papageorgiou	THREE-DIMENSIONAL VISUALIZATION OF SANTORINI CALDERA WALL POINT CLOUD DISPLACEMENTS
201	Anastasios Kostoglou, Vassilios Karakostas and Eleftheria Papadimitriou	DETAILED MICROSEISMICITY ANALYSIS OF THE CENTRAL IONIAN ISLANDS
213	Ana Dura, Theo J. Mertzimekis, Evangelos Bakalis, Paraskevi Nomikou, Andreas Gondikas, Mark D. Hannington and Sven Peterson	CTD DATA PROFILING TO ASSESS THE NATURAL HAZARD OF ACTIVE SUBMARINE VENT FIELDS: THE CASE OF SANTORINI ISLAND
215	Despina Kementzetzidou, Areti Panou and Parthena Paradisopoulou	DIRECTIVITY EFFECT ON STRIKE SLIP FAULTS AT N.AEGEAN AREA, GREECE
221	Aspasia Litoseliti, Ioannis Koukouvelas, Konstantinos Nikolakopoulos and Vasiliki Zygouri	INVENTORY OF EARTHQUAKE-INDUCED ROCK FALLS AND TALUSES IN SKOLIS MOUNTAIN IN NORTHWEST PELOPONNESE, GREECE
231	Emilia Sofianska and Kleopas Michailidis	ENVIRONMENTAL IMPACT OF MANGANESE MINING WASTES ON THE ACCUMULATION OF HEAVY METALS IN SOILS AND CROP GRAINS IN WESTERN DRAMA PLAIN, MACEDONIA, NORTHERN GREECE
255	Athanasia Karetou, Michael Vavelidis, Katerina Giouri, Nikolaos Kantiranis, Lambrini Papadopoulou and Christos Stergiou	VARIABILITY AND ENRICHMENT OF METALS IN SOILS AND SEDIMENTS ALONG KARVOUNOSKALA STREAM (NE CHALKIDIKI, NORTHERN GREECE)
272	Theodora Kalampaliki, Athanasios Godelitsa, Paraskevi Nomikou and Andreas Gondikas	SINGLE PARTICLE ELECTROCHEMISTRY FOR DETECTING NANOPARTICLES IN WATER ENVIRONMENTS
275	Irene Zananiri, Dimitris Mitropoulos, Ioannis Vakalas, Spiros Maroulakis, Vassiliki Barsaki and Vaggelis Zimianitis	A DETAILED BATHYMETRIC AND SEDIMENTOLOGY STUDY OF THE VOLOS GULF
290	Alexandra-Maria Billia, Ioannis Spingos, Haralambos Kranis and George Kaviris	SEISMOTECTONIC STUDY IN VILIA, EASTERN GULF OF CORINTH, GREECE
291	Dimitrios Mitropoulos, Mark McCorquodale and Christopher Westbrook	UNDERSTANDING WAKE CAPTURE EFFECT OF THE ICE PARTICLE AGGREGATION PROCESS WITH THE USE OF 3D-PRINTED ANALOGUES
305	Stelios Chailas and Andreas Tzanis	A NEW IMPROVED VERSION OF THE AEROMAGNETIC MAP OF GREECE
314	Vassilis Sakkas, Stylianos Chailas, Volker Dietrich, Evangelos Lagios, Efthimios Gartzos and Konstantinos Kyriakopoulos	GEOPHYSICAL INVESTIGATION OF ZERELIA TWIN-LAKES (CENTRAL GREECE): TWO POSSIBLE METEORITE CRATERS
319	Eleni Partheniou, Athanassios Ganas and Vassilis Sakkas	GROUND DEFORMATION FROM GNSS DATA FOLLOWING STRONG IONIAN SEA EARTHQUAKES IN 2014 AND 2015: CO-SEISMIC OFFSETS AND STATION BASELINE CHANGES
332	Alexandros Varesis and George Anastasakis	SEISMIC STRATIGRAPHY OF NORTH AEGEAN TROUGH: INDICATIVE EVIDENCE OF MESSINIAN EVAPORITES, PRELIMINARY RESULTS
342	Spyridon Mavroulis, Eirini-Spyridoula Stanota and Efthymis Lekkas	ENVIRONMENTAL EFFECTS AND ESI-07 SEISMIC INTENSITIES OF THE OCT. 26, 2018, M_w 6.8 OFFSHORE SW-ZAKYNTHOS EARTHQUAKE; COMPARISON WITH ALL KNOWN DESTRUCTIVE HISTORICAL AND RECENT EARTHQUAKES IN THE SOUTHERN IONIAN ISLANDS (GREECE)
343	Spyridon Mavroulis, Marilia Gogou, Efthymis Lekkas and Panayotis Carydis	PRIMARY AND SECONDARY EFFECTS OF THE SEPTEMBER 2018 M_w 7.5 PALU (SULAWESI ISL. INDONESIA) EARTHQUAKE AND THEIR IMPACT ON THE NATURAL AND BUILT ENVIRONMENT OF PALU BAY AREA
346	Spyridon Mavroulis, Efthymis Lekkas and Panayotis Carydis	ACTIVE FAULTS CONTROLLING SPATIAL DISTRIBUTION OF ENVIRONMENTAL EFFECTS AND BUILDING DAMAGE INDUCED BY THE FEB. 6, 2018, M_w 6.4 HUALIEN (E. TAIWAN) EARTHQUAKE
348	Eleftheria Ezat, Konstantinos Zouher El Ajouz, Emmanuel Andreadakis, Michalis Diakakis and Argyris Georgakopoulos	DEBRIS FLOW ON A FULLY ACTIVATED INTRAMONTANE FAN DURING THE FLASH FLOOD OF MANDRA. UAS-AIDED FIELD MAPPING OF KATSIMIDI FAN
355	Georgios Chatzopoulos, Filippos Vallianatos and Ilias Papadopoulos	SHAKEMAPS FROM THE URBAN STRONG GROUND MOTION OF CHANIA
366	Panayotis Papadimitriou, Andreas Karakonstantis, Vasileios Kapetanidis, Kyriaki Pavlou, Ioannis Sotiriadis and Ioannis Spingos	SEISMICITY: A TOOL IN FORECASTING VOLCANIC ERUPTIONS
369	Panayotis Papadimitriou, Vasileios Kapetanidis, Andreas Karakonstantis, Ioannis Spingos, Kyriaki Pavlou and Ioannis Kassaras	FOCAL MECHANISMS DATABASE OF MODERATE AND STRONG EVENTS IN THE BROADER AREA OF GREECE
380	Evangelos Tzamos, Giovanni Grieco, Evagelia Pagona, Argyrios Papadopoulos, Micol Bussolesi, Manasis Mitrakas and Anastasios Zouboulis	FIRST REPORT OF FE INCLUSIONS IN OLIVINE: OLIVINE FROM THE MAGNESITE-HOSTING ULTRAMAFIC ROCKS OF GERAKINI, CHALKIDIKI, NORTHERN GREECE
381	Evangelos Tzamos, Alexios Douvalis, Annie Rassios, Micol Bussolesi, Giovanni Grieco, Argyrios Papadopoulos and Athanasios Godelitsas	IRON OXIDATION STATE IN GREEK CR-ORE MINERALS
382	Argyrios Papadopoulos, Evangelos Tzamos, Evagelia Pagona, Giovanni Grieco, Andreas Kasinos, Evangelos Tziritis, Manasis Mitrakas and Anastasios Zouboulis	MINERALOGICAL AND GEOCHEMICAL INVESTIGATION OF THE ALTERATION OF ULTRAMAFIC MAGNESITE-HOSTING ROCKS FROM GERAKINI (CHALKIDIKI, NORTHERN GREECE)

FRIDAY, 24 MAY 2019 | CENTRAL AUDITORIUM

T5. Geomorphology, Quaternary Geology and Geoarchaeology –I			ID
Chairs: Kalliopi Gaki-Papanastasiou, Niki Evelpidou			
08:30-08:45	<i>Evdokia Tema</i> and Ian Hedley	Archaeomagnetic investigations in the Eastern Mediterranean: New directional data and archaeomagnetic dating in Cyprus	114
08:45-09:00	<i>Aikaterini-Maria Pollatou</i> , Ioannis Iliopoulos and Eleni Nodarou	Insights into ceramic technology of Roman-Late Roman wares from surface survey in Sphakia Area, Crete through a petrographic and geochemical approach	158
09:00-09:15	<i>Eleanna Pantazi</i> , Ioannis Iliopoulos and Eleni Nodarou	Compositional characterization of prehistoric pottery from Kephala Vasilikis, Ierapetra Crete (Greece)	298
09:15-09:30	<i>Sotiris Valkaniotis</i> , Antonis Manakos, Georgios Toufexis and Agathe Reingruber	Reconstructing the prehistoric landscape of Sikourio and Elatia intra-mountain basins, Thessaly, Greece	329
09:30-09:45	<i>Nikolaos Souglakos</i> , John D. Alexopoulos, Nikolaos Voulgaris, Spyridon Dilalos, Georgia S. Mitsika, Manolis Petrakis, George Vavouranakis, Panos Valavanis and Yiannis Papadatos	A geophysical approach to the archaeological excavation of Plasi Marathon (Attika, Greece)	189
09:45-10:00	<i>Paraskevi Nomikou</i> , Mark Hannington, Sven Petersen, Sandra Wind, Verena Heinath, Sabine Lange, Marcel Rothenbeck, Lars Triebe and Emanuel Wenzlaff	High-resolution auv mapping of Kolumbo submarine volcano, Santorini, Greece	187

10:15-11:15 COFFEE BREAK and POSTER SESSION

T5. Geomorphology, Quaternary Geology and Geoarchaeology –II			ID
Chairs: Habik Maroukian, Efthymios Karymbalis, George Bathrellos			
11:15-11:30	Sotirios Karalis, Alexandros Iordanou, George Karakostas, Kostas Charatsis and Efthymios Karymbalis	Assessing Bedload in Vouraikos River, NW Peloponnese, Greece	129
11:30-11:45	Sotirios Karalis, Alexandros Iordanou, George Karakostas, Kostas Charatsis and Efthymios Karymbalis	Estimating suspended sediment transport through transparency tube in Vouraikos River, NW Peloponnese, Greece	131
11:45-12:00	Efthymios Karymbalis, Christina Gallousi, Andrew Cundy, Kalliopi Gaki-Papanastasiou, Ioannis Tsodoulos, Konstantinos Tsanakas, Vassilios Dimitrios Batzakis, Dimitris Papanastasiou, Ioannis Liapis and Hampik Maroukian	Assessment of the Evinos delta recent shoreline changes (Gulf of Patras, Western Greece)	269
12:00-12:15	Diamantina Griva, Antigoni Faka, Ioannis Tsodoulos, Vassilios Dimitrios Batzakis, Maria Andreou, Efthymios Karymbalis and Sotiris Karalis	Geomorphology of the Kerinitis River fan-delta (North Peloponnese, Greece)	276
12:15-12:30	<i>Miltiadis Polidorou</i> , Gianni Saitis and Niki Evelpidou	Beachrock development as an indicator of paleogeographic evolution, case of Akrotiri Peninsula, Cyprus.	166
12:30-12:45	<i>Alexandros Petropoulos</i> , Vasilios Kapsimalis, Niki-Nikoletta Evelpidou and Christos Anagnostou	Geomorphological and Sedimentological dynamic processes at the semi-closed bay Plati Gialo (Sifnos Isl.)	370
12:45-13:00	<i>Ioanna Triantafyllou</i> , Gerasimos Papadopoulos and Efthymios Lekkas	New documentary sources regarding the large earthquake (~M7) and its associated tsunamis of 8 November 1905 in Mt Athos, Northern Greece	354

13:00-13:45 COFFEE BREAK and POSTER SESSION

T11/T11.S2. Geoinformatics: Remote Sensing, IT, Soft Computing and Intelligent Methods in Geosciences			ID
Chairs: Ch. Roumpos, I. Kapageridis, M. Galetakis			
13:45-14:00	<i>Michail Galetakis</i> , Ioanna Oikonomidou, Anthoula Vasileiou and Athanasia Soultana	Improving the efficiency of artificial neural networks for ore reserve estimation by employing suitable training methods	206
14:00-14:15	<i>Athanasia-Maria Tompolidi</i> , Olga Sykioti, Konstantinos Koutroumbas, Spyridoula Xenaki and Issaak Parcharidis	Potential of Sentinel-2 data on detecting hydrothermal alteration using clustering: the case of Nisyros caldera (Greece)	84
14:15-14:30	<i>Alexandra Anifadi</i> , Olga Sykioti and Emmanuel Vassilakis	Detection of chromite minerals using Spectral Linear Unmixing on Sentinel-2 imagery. Case study: Ingegana Hills, Blue Nile Province, Sudan	199

14:30-14:45	<i>P.-M. Spanidis</i> , C. Roumpos and K. Liakoura	A Risk-based analysis of engineering geology failures in pipeline corridors Investigations	375
14:45-15:00	<i>Ioannis Kapageridis</i>	Application of variable lag variography on directions derived using k-means clustering of sample pairs	123
15:00-15:15	<i>Abdelgadir Abuelgasim</i> and Muhagir Elkamali	Spatiotemporal variability of water table levels in al ain region, United Arab Emirates	35
15:15-15:30	<i>Muhagir Elkamali</i> and Abdelgadir Abuelgasim	Land surface deformations using SAR interferometry: Past, present, and future trends	36

15:30-16:30 LUNCH BREAK

ASSOCIATION OF GREEK GEOLOGISTS	
16:30-18:30	Activities for Geologists Professional Rights - Conflicts with Greek Ministerial Decree 99/2018
GSG GENERAL ASSEMBLY	
18:30-19:00	
CLOSING CEREMONY	
Chairs: Efthymios Lekkas, Spyros Pavlides, Apostolos Alexopoulos	
19:00-20:00	Overview and results of GSG 2019 Appointment of the next GSG Congress (2022)

FRIDAY, 24 MAY 2019 | CEREMONIAL HALL

T2.S1. The Hellenic Subduction, the North Anatolian Fault and the Aegean back-arc deformation: how do they interact in space and time?			ID
Chairs: Dimitris Sakellariou, Nicolas Chamot-Rooke			
08:30-08:45	<i>Virginie Durand</i> , Patricia Martinez-Garzon, Marco Bohnhoff and Taylan Turkmen	From slow to fast deformation in the Marmara Sea: the SMARTNET network	103
08:45-09:00	<i>Georgia Trikalinou</i> , Haralambos Kranis and Dimitris Sakellariou	Deformation pattern and structural analysis along the western termination of the North Anatolian Fault	177
09:00-09:15	<i>Stathis Stiros</i>	Geodetic evidence for shear instability in the west part of the North Aegean Trough, in a 100+ years scale	23
09:15-09:30	Ilias Lazos, Despina Kondopoulou, Spyros Pavlides, Alexandros Chatzipetros, Christos Pikridas and Stylianos Bitharis	Determination of the rotational regime in the North Aegean region based on palaeomagnetic and geodetic data	341
09:30-09:45	<i>Paris Xypolias</i> , Vasileios Chatzaras, Nikolaos Gerogiannis and Eirini Aravadinou	Constraints on the onset of the Aegean back-arc extension using Oligocene NE-directed ductile shearing in the Cyclades	80
09:45-10:00	Manar Alsaif, Frédéric Gueydan, Dimitris Sakellariou and Agathe Faucher	Late, brittle faulting in the Cyclades: a combination of strike slip and high angle normal faulting since the Mid-Miocene	169
10:00-10:15	<i>Dimitris Sakellariou</i> and Konstantina Tsampouraki-Kraounaki	Post-Miocene deformation in the South Aegean: Insights from seafloor's morphology and seismic profiling data	119

10:15-11:15 COFFEE BREAK and POSTER SESSION

T9. Engineering Geology, Hydrogeology and Environmental Geology - I			ID
Chairs: Nikolaos Nikolaou, Villy Kontogianni			
11:15-11:30	Nikolaos Kazilis and Maria Kazili	General hydro-electric masterplan of Tekhuri river, in Georgia – The importance of the local engineering geological conditions	365
11:30-11:45	<i>Christos Filis</i> , Emmanuel Skourtsos, Apostolos Alexopoulos and Spyridon Lekkas	Hydrogeological conditions and water resources management of Ios Island, Cyclades, Greece	334
11:45-12:00	<i>Christos Filis</i> , Nikolaos Karalemas, Emmanuel Skourtsos, Haralambos Kranis, Stelios Lozios, Varvara Antoniou, Michael Diakakis, Spyridon Mavroulis, George Danamos, Emmanuel Vassilakis, George Mallinis, Ioannis Lialiaris and Efthymios Lekkas	Geo-environmental impact on the aquifer systems of the wider fire-affected area (August 2017) on Kythira Island, Greece	351
12:00-12:15	<i>Panagiotis Sampatakakis</i> , Marianthi Stefouli, Pavlos Krassakis, Nikolaos Koukouzas and Stavroula Kazana	Thessalia Plain, a long term problem for managing water resources with multiple versions	229
12:15-12:30	<i>Evangelos Tziritis</i> , Vasilios Pisinaras, Charis Doulgeris, Konstantinos Skordas and Andreas Panagopoulos	Hydrogeochemical and hydrodynamic characterization of Aghia sub-basin, Thessaly, central Greece	105
12:30-12:45	George Louloudis and Nick Stathopoulos	Irrigation water consumptive use changes in South Ptolemais lignite bearing hydrogeological basin (Greece) using NDVI remote sensed data.	75
12:45-13:00	<i>Nerantzis Kazakis</i> , Maria-Margarita Ntona, Matthias Bannenber, Elisavet Gavrilidou, Sokratis Lappos and Konstantinos Voudouris	A methodology to delineate protection zones in karst aquifers: The case of municipality of Kozani, North Greece	167

13:00-13:45 COFFEE BREAK and POSTER SESSION

T9. Engineering Geology, Hydrogeology and Environmental Geology - II			ID
Chairs: Apostolos Alexopoulos Konstantinos Voudouris			
13:45-14:00	Panayota Makri, Demetrios Hermides, Maria Psychogiou and Aikaterini Ermidou	The use of geochemical ratios in groundwater quality assessment: the case of the Thriassion Plain Attica, Greece	340
14:00-14:15	<i>Demetrios Hermides</i> , Dimitrios Zaxariadis and George Stamatis	Hydrochemical characteristics of the Oropos coastal aquifers, Attica, Greece	209
14:15-14:30	Ioannis Vrouhakis, Evangelos Tziritis, Andreas Panagopoulos, Christopher Kuells and George Stamatis	The use of environmental stable isotopes at the Tirnavos Alluvial Basin (Central Greece)	107
14:30-14:45	<i>A. Atzemoglou</i>	Imaging industrial pollution using Electric Resistivity Tomography (ERT). Preliminary results from Thessaloniki tanneries (Greece)	258
14:45-15:00	Maria Michalopoulou, <i>Katerina Kavoura</i> , Nikolaos Depountis and Nikolaos Sabatakakis	Predicting soil erosion rate before and after wildfires: The Case of Pineios dam drainage basin	248
15:00-15:15	Charalampos Vasilatos, Marianthi Anastasatou, <i>Panagiotis Pomonis</i> , John Alexopoulos and Emmanuel Vassilakis	Hazard identification of the Mediterranean Temporary Mountain Pond ecosystems in Central Greece: A Geo-environmental approach.	212

15:30-16:30 LUNCH BREAK

T9. Engineering Geology, Hydrogeology and Environmental Geology - III			ID
Chairs: Constantinos Loupasakis, Charalampos Saroglou			
16:30-16:45	George Papatthanassiou, Sotiris Valkaniotis and Spyros Pavlides	Documentation of the failures triggered by the July 20, 2017 Bodrum-Kos, Aegean Sea Mw=6.6 earthquake	15
16:45-17:00	<i>Villy Kontogianni</i> , Natalia Spanou and Nikolaos Nikolaou	Vulnerability of critical infrastructures to rock fall hazard: the case of the wastewater treatment facility of Tolo, Greece	44
17:00-17:15	<i>Dimitrios Loukidis</i> , Ioannis Vakalas, Nikolaos Loukidis, Christina Gallousi and Ioannis Tsodoulos	Landslide susceptibility assessment in Northern Epirus using a deterministic approach	292
17:15-17:30	<i>Sofia Anagnostopoulou</i> , Nikolaos Depountis and Nicholas Sabatakakis	Large Shear Box Testing on weathered zone of flysch. The case studies of Panagopoula and Karya Landslides	277
17:30-17:45	Konstantinos Mazarakis and <i>Konstantinos Diamantis</i>	Assessment of Rockfall risk along Kakia scala road, Greece	178
17:45-18:00	<i>Villy Kontogianni</i> and Stathis Stiros	Ground settlements and tilting of buildings due to tunneling - evidence from geodetic surveys in the Athens Metro	45
18:00-18:15	<i>Vasileios Boumpoulis</i> , George Mouzoulas, Nikolaos Depountis and Nicholas Sabatakakis	Quality Control of the Suitability of Specific Igneous Rocks for Use as Aggregates in Road Pavement Layers	147

FRIDAY, 24 MAY 2019 | ROOM 2.2

T11.S1. Innovative Sensing Techniques for Geohazards -I			ID
Chairs: Vassilios Marinos, Emmanuel Vasilakis			
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09:00-09:15	<i>Efstratios Karantanellis, Vasileios Marinos and Emmanuel Vasilakis</i>	Object-Based Characterization and semantic labeling of landslide and rockfall phenomena using UAV photogrammetry	34
09:15-09:30	<i>Sotiris Valkaniotis, George Papathanassiou and Athanassios Ganas</i>	Application of Structure-from-Motion (SfM) technique for measuring near-field earthquake-induced failures; case studies from Greece	16
09:30-09:45	<i>Ioannis Papanikolaou, Klaus Reicherter, Sascha Schneiderwind, Jack Mason, Georgios Deligiannakis, Silke Mechernich and Thomas Wiatr</i>	T-LIDAR applications for studying active faults and extracting deformation rates in Greece	284
09:45-10:00	<i>Efstathios Lymperis, Efstratios Karantanellis and Vassilios Marinos</i>	UAV point clouds for semi-automated rockfall hazard assessment: a post-failure application of a novel method in Plomari, Lesvos Island	225
10:00-10:15	<i>Efi Kalamatianou, Christos Tourlakidis, Pavlos Krassakis, Ioannis Gougoustamos, Asimakis Fylaktos and Issaak Parcharidis</i>	Monitoring surface deformation combining optical and radar Sentinel data: The New Zealand case	363

10:15-11:15 COFFEE BREAK and POSTER SESSION

T11.S1. Innovative Sensing Techniques for Geohazards -II			ID
Chairs: Constantinos Loupasakis, George Papathanassiou			
11:15-11:30	<i>Konstantinos Nikolakopoulos, Aggeliki Kyriou and Ioannis Koukouvelas</i>	New technologies for landslide monitoring. Examples from the Greek territory	271
11:30-11:45	<i>Aliki Konsolaki, Emmanuel Vasilakis, Vassilios Giannopoulos, Giorgios Kontostavlos and Giannis Psaltakis</i>	3D rock thickness extraction by combining Point Clouds of different origin. Case Study: The roof of Koutouki Cave Peania, Greece	203
11:45-12:00	<i>Ioannis Farmakis, Vassileios Marinos, Efstratios Karantanellis and Georgios Papathanasiou</i>	Rock mass characterization using LiDAR terrestrial laser scanner for rockfall susceptibility assessment in Perissa area (Santorini)	181
12:00-12:15	<i>Nikolaos Grendas, Vassilis Marinos, George Papathanassiou, Sotiris Valkaniotis and Athanassios Ganas</i>	Engineering geological mapping of earthquake-induced landslides in South Lefkada Island, Greece Using UAV; Applications and limitations.	171
12:15-12:30	<i>Ioannis Gougoustamos, Issaak Parcharidis and Konstantinos Loupasakis</i>	Fast-moving landslides mapping contribution using Sentinel-2 images.	333
12:30-12:45	<i>Ioakeim Konstantinidis, Efstratios Karantanellis and Vassileios Marinos</i>	Rockfalls dynamics analysis and mass movement characterization based on a multi-temporal UAV and LiDaR surveys in «Apothikes» area, Santorini island, Greece	220

13:00-13:45 COFFEE BREAK and POSTER SESSION

T10. Geology and Society: Geo-environmental Education and Sustainability, Geological Heritage			ID
Chairs: Ch. Fassoulas, Evgenia Moraiti			
13:45-14:00	<i>Ilias Valiakos, Nikolaos Zouros and Konstantina Bentana</i>	Geosites' evaluation methodology as a tool for Geoconservation	299
14:00-14:15	<i>Charalampos Fassoulas, Spyridon Staridas, Emanouel Nikolakakis and Evangelos Perakis</i>	New digital applications to promote the geological heritage of Cretan UNESCO Geoparks under GEOIN project	259
14:15-14:30	<i>Fani Tripolitsiotou, Hara Drinia and Asimina Antonarakou</i>	The time period before humans an educational program of the Natural History Museum of Philekpaideftiti Etaireia	263
14:30-14:45	<i>Andreas Iordanidis, Javier Garcia-Guinea, Nickolas Zouros and Argyro Asvesta</i>	Lesvos Petrified Forest: the fascinating colours of the silicified trunks	49
14:45-15:00	<i>Christos L. Stergiou, Alexandros Chatzipetros, Tamás Telbisz and Andrea Mindszenty</i>	The Gamila Peak spherical concretions and the Oxia hanging valley at the Vikos-Aoos Geopark	281
15:00-15:15	<i>Varvara Antoniou, Paraskevi Nomikou, Effrosyni Zafeirakopoulou, Pavlina Bardouli and Theodora Ioannou</i>	Geo-biodiversity and cultural environment of Nisyros volcano	195

15:30-16:30 LUNCH BREAK

T10.S2. New Developments in Science Education. Science with and for Society			ID
Chairs: Assimina Antonarakou, Hara Drinia, Kiki Makri, Zacharoula Smyrnaïou			
16:30-17:00	<i>Vassiliki Kotroni</i>	KEYNOTE TALK: METEOROLOGY IN FORMAL EDUCATION: NECESSITY AND TEACHING SUGGESTIONS	
17:00-17:15	<i>Zacharoula Smyrnaïou</i>	New scientific approaches in the construction of meaning- The role of SWAF in Educational Design	96
17:15-17:30	<i>Athanasia Bakopoulou, Assimina Antonarakou and Alexandra Zambetakis-Lekkas</i>	Characteristics of students' alternative ideas on geodynamic phenomena and factors controlling their development	390
17:30-17:45	<i>George Kontokostas, Assimina Antonarakou, Marisa Fountopoulou, Hara Drinia and Stelios Lozios</i>	Urban Geology: Education proposal for Geoscience: a case study from the inner city of Athens, Greece	361
17:45-18:00	<i>Kyriaki Makri, Elissavet Galanaki, Ioannis Koletsis, Vassiliki Kotroni and Kostas Lagouvardos</i>	Preliminary results of evaluation of educational program "Peri Anemon & Ydaton"	325
18:00-18:15	<i>Panagiota Asimakopoulou, Panagiotis Nastos, Emmanuel Vassilakis and Assimina Antonarakou</i>	Earth Observation for Earth System Science Education: the MICE activity	99
18:15-18:30	<i>Maria Psychogiou, Kostas Louvaris, Katerina Georgiou, Assimina Antonarakou and Hara Drinia</i>	Literacy in Geosciences among Students: An in-depth study into Greek secondary education	394

FRIDAY, 24 MAY 2019 | ROOM 1.2

T10.S1. Highlighting, Protection and Management of Geosites			ID
Chairs: Evgenia Moraiti, Nikolaos Zouros, Ch. Fassoulas			
16:30-17:00	<i>Nikolaos Zouros, Charalambos Fassoulas, Eugenia Moraiti, Panagiotis Paschos and Georgios Iliopoulos</i>	A CATALOGUE OF NATIONAL IMPORTANCE GEOSITES IN GREECE	301
17:00-18:00	ROUND TABLE DISCUSSION		

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1	Andreas Iordanidis, Ioannis Kapageridis and Argyro Asvesta	UNDERGROUND COAL MINING IN CENTRAL EUROPE IN THE MID. 19TH CENTURY: A LITERARY DOCUMENTATION BY ZOLA'S "GERMINAL"
2	Georgia Karadimou, Béatrice Bonneval, Francesco Palazzo, Sylvie Rémondière, Tereza Šmejkalová, Miguel Castro Gómez, Chloé Gilles, Eric Guzzonato and Brice Mora	RUS COPERNICUS SERVICE: CLOUD COMPUTING, SUPPORT AND TRAINING FOR SENTINEL USERS.
6	Pavlos Asteriou and George Tsiambaos	A SEMI-EMPIRICAL APPROACH FOR THE PREDICTION OF TRAJECTORIES IN ROCKFALLS
7	Pavlos Asteriou	A NEW SOFTWARE TOOL FOR THE ANALYSIS OF ROCKFALLS
30	Despoina Efstathiadou, George Papathanassiou, Vassilios Marinou and Anastasios Anastasiadis	EVALUATION OF THE LIQUEFACTION HAZARD AT THE WESTERN SIDE OF THE CITY OF THESSALONIKI BASED ON DATA PROVIDED BY IN – SITU TESTS
51	Panagiotis Karoutsos, Georgios Lazaridis and George Iliopoulos	THE MAVROVOUNI-1 CAVE IN THE FLYSCH OF GAVROVO-TRIPOLI ZONE (SW GREECE)
52	Georgios Lazaridis, Kyriaki Fellachidou and Stella Efraimidou	CUPOLA-RELATED MORPHOLOGY OF THE MESOLAKKIA CAVES, GREECE
53	Georgios Lazaridis and Dimitrios Voulanas	DRAWING A PARAGENETIC CAVE PASSAGE IN MATLAB
54	Georgios Lazaridis and Kyriaki Fellachidou	PALEO-HYDROLOGY OF THE STEFANINA CAVE (GREECE)
57	John D. Alexopoulos, Spyridon Dilalos and Georgia S. Mitsika	COASTAL GEOELECTRICAL SURVEY AT THE ANCIENT HARBOR OF LECHAION (GREECE)
58	Zacharoudi Angeliki and Georgios Lazaridis	A SURVEY OF SHOW CAVES IN GREECE
60	Nikoleta Kargopoulou, Georgios Lazaridis and Anastasia Karakosta	CAVERNOUS FORMS IN MANDRES QUARRY (KILKIS, GREECE)
61	Anastasia Karakosta, Georgios Lazaridis and Nikoleta Kargopoulou	DOCUMENTING CONDENSATION CORROSION IN AGIOS GEORGIOS CAVE (KILKIS, GREECE)
69	Argyrios Periferakis	GEOLOGY AND THE AZTECS: HOW THE ORE DEPOSITS OF MESOAMERICA INFLUENCED THE SOCIOECONOMIC DEVELOPMENT OF AN EMPIRE, FROM ITS EMERGENCE TO ITS DOWNFALL
70	Argyrios Periferakis	THE INFLUENCE OF ORE DEPOSITS TO THE DEVELOPMENT AND COLLAPSE OF THE INCA CIVILISATION BETWEEN THE 15TH AND THE 16TH CENTURY
71	Argyrios Periferakis and Nikolaos Paresoglou	LAVRION FROM ANCIENT GREECE TO THE PRESENT DAY: A STUDY OF HOW AN ORE DEPOSIT SHAPED HISTORY
72	Argyrios Periferakis	RADIONUCLIDES IN ROCKS AND ASSOCIATED HEALTH HAZARDS: EXAMPLES FROM NORWAY AND INDIA
73	Argyrios Periferakis	THE IMPORTANCE OF EMERY IN THE CULTURAL, SOCIAL AND ECONOMIC DEVELOPMENT OF NAXOS ISLAND, CYCLADES, GREECE
74	Argyrios Periferakis	THE YUKON GOLD RUSH: EARLY EXAMPLES OF THE SOCIOECONOMIC AND ENVIRONMENTAL IMPACT OF MINING
86	Laoura Athanasiadou, Emmanouil Psomiadis and Georgios Stamatis	THERMAL REMOTE SENSING FOR WATER OUTFLOWS DETECTION AND DETERMINATION OF THE ROLE OF LINEAMENTS IN UNDERGROUND HYDRODYNAMICS OF EVIA ISLAND/CENTRAL GREECE
88	Efi Tzelepi, Sofia Doani, Kalliopi Koliadimou and Konstantinos Vouvalidis	GEOMORPHOLOGICAL AND SEDIMENTOLOGICAL SETTING OF THE FILOURIS RIVER WAVE DOMINATED DELTA
94	Nikolaos Vlachopoulos and Panagiotis Voudouris	GEOLOGICAL AND MINING HISTORY OF SERIFOS ISLAND, GREECE: CURRENT STATE AND PERSPECTIVES FOR PROTECTION OF MINERALOGICAL AND PETROLOGICAL GEOTOPES
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183	Dimitra Zerva, Konstantinos Voudouris, George Vargemezis and Panagiotis Tsourlos	INVESTIGATION OF SEAWATER INTRUSION ZONE IN THE COASTAL AREA STAVROS-VRASNA USING HYDROGEOLOGICAL AND GEOPHYSICAL METHODS
184	Stavroula Kazana, Pavlos Krassakis, Fulong Chen, Issaak Parcharidis, Nikolaos Koukouzas and Efthimios Lekkas	SLOPE STABILITY MONITORING OF THE URBAN BOUNDARY LAYER OF HILLS IN ATHENS CITY BY MEANS OF MTINSAR
192	Theophilos Valsamidis, Vasileia Karathanassi, Polychronis Kolokoussis and Vasileios Andronis	RAW MATERIALS' DETECTION USING HYPERSPECTRAL REMOTE SENSING TECHNIQUES. CASE STUDY W. MILOS, GREECE
194	Dimitrios Papatsikourakis, Nikolaos Chatzigogos and Thomas Makedon	THE EFFECT OF THE DEGREE OF SATURATION ON SHEAR STRENGTH OF SANDY SOILS. THE EXAMPLE OF GENI TZAMI OF EDESSA, NORTHERN GREECE.
198	Sotiris Papalambrou, George Bathrellos and Hariklia Sklodimou	RECORDING EXTRACTION SITES OF INERT MATERIALS IN THE UPPER REACHES OF PINIOS RIVER, WESTERN THESSALY, CENTRAL GREECE
205	Areti Tsampa and Paraskevas Tsangaratos	APPLYING MACHINE LEARNING AND GIS IN LANDSLIDE SUSCEPTIBILITY ASSESSMENT. THE CASE OF KRIKELIOTIS WATER BASIN, EVRITANIA, GREECE.
214	Amalia Roufi, Emmanuel Vassilakis and Serafim Poulos	WESTERN LEFKADA SHORELINE DISPLACEMENT RATES BASED ON PHOTOGRAMMETRIC PROCESSING OF REMOTE SENSING DATASETS FROM VARIOUS SOURCES
223	Athanasia Vassou, Efstratios Karantanellis and Vasileios Marinos	LANDSLIDE CHANGE DETECTION BASED ON MULTI-TEMPORAL DIGITAL ELEVATION MODELS OF ROPOTO, CENTRAL GREECE
233	Georgios Lyras and Michail Basias	ANALYSIS OF TYRANNOSAURUS REPRESENTATIONS IN CINEMA
235	Georgia Diamantopoulou and Ioanna Iliia	APPLYING WEIGHT OF EVIDENCE METHOD IN LANDSLIDE SUSCEPTIBILITY ASSESSMENTS
236	Fotios Paraskevopoulos-Tsiakiris, Efstratios Karantanellis and Vasileios Marinos	LANDSLIDE INVESTIGATION USING UAV PHOTOGRAMMETRIC METHODS WITHIN MARLY FORMATIONS IN OPEN PIT LIGNITE MINES IN NORTHERN GREECE.
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265	Maria Kalpogiannaki, Petros Petrounias, Aikaterini Rogkala, Panagiota P. Giannakopoulou, Panagiotis Pomonis, Basilios Tsikouras and Konstantin Hatzipanagiotou	THE IMPACT OF SECONDARY PHYLLOSILICATE MINERALS ON CONCRETE STRENGTH PRODUCED FROM MAFIC AND ULTRAMAFIC AGGREGATE ROCKS
268	Petros Petrounias, Aikaterini Rogkala, Panagiota P. Giannakopoulou and Paraskevi Lampropoulou	REMEDICATION OF PH VALUES AND REMOVAL OF FE FROM AGIOS PHILIPPOS KIRKIS MINE THROUGH A NEW EXPERIMENTAL ELECTRIC DEVICE USING LOW COST MINERAL RAW MATERIALS
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300	Konstantina Bentana, Nikolaos Zouros and Ilias Valiakos	THE ROLE OF THE EDUCATIONAL ACTIVITIES OF TEMPORARY EXHIBITIONS: THE CASE OF THE TEMPORARY EXHIBITION OF THE NATURAL HISTORY MUSEUM OF THE LESVOS PETRIFIED FOREST "GAIAS' MEMORIES: UNESCO GLOBAL GEOPARKS OF GREECE - CYPRUS"
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313	Emmanouil Manoutsoglou, Nikolaos Spanoudakis, Paraskevi Garantzioti, Marialena Asproudi, Georgios Papanikolaou, Anastasia Vardali and Nikolaos Kallithrakas-Kontos	REVEALING HISTORICAL THERMO- AND OLIGO - METALLIC SPRINGS OF WESTERN CRETE

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359	Konstantinos Marmarinos, Assimina Antonarakou, Hara Drinia and Faye Antoniou	DESIGNING AN EDUCATIONAL SCENARIO AIMING TO TEACH THE CONCEPT OF GEOLOGICAL TIME TO SECONDARY EDUCATION STUDENTS WITH VISUAL DISABILITIES
360	Assimina Antonarakou, George Lyras, Zacharoula Smyrnaïou, Evaggelia Besiou, Athanasios Nikolopoulos, Stergios Zarkogiannis and Alexia Gramba	USING 3D-PRINTED MODELS TO IMPROVE PUPIL COMPREHENSION OF FOSSIL FORAMINIFERA
362	Andreas Kakonas, Efthimios Karymbalis, Christos Chalkias and Niki Evelpidou	FLOOD HAZARD ASSESSMENT OF THE KERINITIS RIVER CATCHMENT, NORTH PELOPONNESE, GREECE
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373	Giannis Saitis, Niki Evelpidou, Satoru Kawasaki, Eleni Koutsopoulou and Apostolia Komi	A MINEROCHEMICAL CEMENT STUDY OF A BEACHROCK SLAB: THE CASE STUDY OF PERISTERIA, SALAMIS ISLAND.
374	Apostolia Komi, Alexandros Petropoulos, Niki Evelpidou, Serafim Poulos and Vasilios Kapsimalis	SEDIMENTOLOGICAL AND GEOMORPHOLOGICAL STUDY OF VRAVRONA BEACH, EAST ATTICA
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377	Vassilios Chararas, Theodoros Chatzigogos, A Dimitriou, Nikolaos Chatzigogos, Thomas Makedon, Dimitris Vogiatzis, Sokratis Filippidis and Evgenia Moraiti	SUPPORT TECHNIQUES FOR THE PRESERVATION OF POLIPHIMOS CAVE IN MARONIA, THRACE – GREECE
393	Christos Mattas, Triantafillos Kaklis, Nikos Veranis and Georgios Soulios	Statistical approach of groundwater quality parameters at Almopia basin, Macedonia, North Greece

FRIDAY, 24 MAY 2019 | ROOM 1.2

T4.W1. Workshop on Global-Scale Geochemical Mapping

INSTRUCTORS: Alecos Demetriades, Ariadne Argyraki, Anna Ladenberger, Timo Tarvainen

08:30-10:15 PART I

10:15-11:15 COFFEE BREAK and POSTER SESSION

11:15-13:00 PART II

13:00-13:45 COFFEE BREAK and POSTER SESSION

13:45-15:30 PART III



EGE 2019

15th International Congress of the Geological Society of Greece

Athens, 22-24 May 2019

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