

12th INTERNATIONAL CONGRESS OF THE GEOLOGICAL SOCIETY OF GREECE

PROGRAMME

WEDNESDAY 19 MAY

18:00- 21:00 Registration

THURSDAY 20 MAY

08:00 – 09:00 Reception and Registration

SPECIAL LECTURES (HALL I-4)

Chair: Makropoulos K., Tselentis G-A., Koukouvelas I.

9:00- 9:40 Papazachos, B.C., et al.: Intermediate Term Earthquake Prediction Based on Interevent Times of Mainshocks and on Seismic Triggering.....

Chair: Papadopoulos T., Kondopoulou D., Fytrolakis N., Vargemezis G.

15:00- 15:40 Makris J.: Geophysical studies and tectonism of the Hellenides.....

SEISMOLOGY I (HALL I-4)

Chair: Kiratzi A., Papazachos C., Papadimitriou P., Sokos E.

10:00- 10:30 KEYNOTE LECTURE Makropoulos, K.C.: Earthquakes and Preventive Measures.....

10:30- 10:40 Adamaki, A.K., Tsaklidis, G.M., Papadimitriou, E.E., Karakostas, V.G.: Evidence for induced seismicity following the 2001 Skyros mainshock.....

10:40- 10:50 Astiopoulos, A.C., Papadimitriou, E., Karakostas, V., Gospodinov, D., Drakatos, G.: Seismicity changes detection during the seismic sequences evolution as evidence of stress changes.....

10:50- 11:00 Kapetanidis, V., Papadimitriou, P., Makropoulos, K.: A cross-correlation technique for relocation of seismicity in the western Corinth rift.....

11:00- 11:10 Karakaisis, G.F., Papazachos, C.B., Scordilis, E.M.: Seismic Sources and Main Seismic Faults in the Aegean and Surrounding Area.....

11:10- 11:20 Karakonstantis, A., Papadimitriou, P.: Earthquake relocation in Greece using a unified and homogenized seismological catalogue.....

11:20- 11:30 Karakostas, V.G., Papadimitriou, E. E., Karamanos Ch.K. Kementzetzidou, D. A.: Microseismicity and Seismotectonic properties of the Lefkada – Kefalonia seismic zone.....

11:30- 11:40 Karakostas, V.G., Papadimitriou, E. E., Tranos, M.D., Papazachos, C.B.: Active seismotectonic structures in the area of Chios Island, North Aegean Sea, revealed from microseismicity and fault plane solutions.....

11:40- 11:50 Kaviris, G., Papadimitriou, P., Makropoulos, K.: Anisotropy study of the February 4th 2008 swarm in NW Peloponnesus (Greece).....

11:50- 12:00 Discussion

SEISMOLOGY II (HALL I-4)

Chair: Papadimitriou E., Tsapanos Th., Skordilis E., Voulgaris N., Drakatos G.

- 12:30- 12:40 Leptokaropoulos, K.M., Papadimitriou, E.E., Orlecka-Sikora, B., Karakostas, V.G.:** Seismicity rate changes in association with time dependent stress transfer in the region of Northern Aegean Sea, Greece.....
- 12:40- 12:50 Moshou, A., Papadimitriou, P., Makropoulos, K.:** Moment tensor determination using a new waveform inversion technique.....
- 12:50- 13:00 Popandopoulos, G., Baskoutas, I.:** Space regularity manifestation of the temporal variation of seismic parameters: Possibility for the strong seismic activity assessment.....
- 13:00- 13:10 Roumelioti, Z., Kiratzi, A.:** Incorporating different source rupture characteristics into simulations of strong ground motion from the 1867, M7.0 earthquake on the Island of Lesbos (NE Aegean Sea, Greece).....
- 13:10- 13:20 Roumelioti, Z., Kiratzi, A.:** Moderate magnitude earthquake sequences in Central Greece (for the year 2008).....
- 13:20- 13:30 Scordilis, E.M.:** Correlations of the Mean Time and Mean Magnitude of Accelerating Preshocks with the Origin Time and Magnitude of the Mainshock.....
- 13:30- 13:40 Segou, M., Voulgaris, N., Makropoulos, K.:** On the sensitivity of ground motion prediction equations in Greece.....
- 13:40- 13:50 Serpetsidaki, A., Sokos, E., Tselentis, G-A.:** Study of the 2nd December 2002 Vartholomio earthquake (Western Peloponnese), M5.5 aftershock sequence.....
- 13:50- 14:00 Discussion**

SEISMOLOGY - GEOPHYSICS (HALL I-4)

Chair: Papadopoulos T., Karakostas V., Angelopoulos A.

- 15:50- 16:00 Sokos, E., Pikoulis, V.E., Psarakis, E.Z., Lois, A.:** The April 2007 swarm in Trichonis Lake using data from a microseismic network.....
- 16:00- 16:10 Votsi, I., Limnios, N., Tsaklidis, G., Papadimitriou, E.:** Semi-Markov models for seismic hazard assessment in certain areas of Greece.....
- 16:10- 16:20 Aidona, E., Kondopoulou, D., Alexandrou, M., Ioannidis, N.:** Archaeomagnetic studies in Kilns from N. Greece.....
- 16:20- 16:30 Arvanitis, A.A., Stampolidis, A.D., Tsokas, G.N.:** Contribution of Geophysical methods to the investigation of geothermal conditions in the Southwestern part of the Strymon Basin (Macedonia, Northern Greece).....
- 16:30- 16:40 Chailas, S., Tzani, A., Kranis, H., Karmis, P.:** Compilation of a unified and homogeneous aeromagnetic map of the Greek mainland.....
- 16:40- 16:50 Skarlatoudis, A.A., Papazachos, C.B.:** Implementation of a non-splitting formulation of perfectly matched layer in a 3D – 4th order staggered-grid velocity-stress finite-difference scheme.....
- 16:50- 17:00 Tzani, A.:** A Matlab Program for the Analysis and Interpretation of Transient Electromagnetic Sounding data.....
- 17:00- 17:10 Vargemezis, G., Fikos, I.:** Large scale vertical electrical soundings survey in Anthemountas River Basin for evaluating hydraulic communication between sub basin aquifers.....
- 17:10- 17:20 Vargemezis, G., Tsourlos, P., Mertzani, I.:** Contribution of deep electrical resistivity tomography technique to hydrogeological studies: cases from areas in Kavala (North Greece).....

17:20- 17:30 Zananiri, I., Kondopoulou, D., Spassov, S.: The application of environmental magnetism techniques for pollution assessment in urban and suburban areas in Greece: state of the art and case studies.....

17:30- 17:40 Discussion

ENGINEERING GEOLOGY I (HALL I-10)

Chair: Sabatakakis N., Nikolaou N., Alexiadou Ch., Loupasakis C.

10:00- 10:30 KEYNOTE LECTURE Tsiambaos, G.: Engineering Geological Behaviour of Heterogeneous and Chaotic Rock masses.....

10:30- 10:40 Angelopoulos, A., Soulis, V.J., Malandraki, V.: Geological and Geotechnical behaviour of Evinos Dam following the impoundment.....

10:40- 10:50 Antoniou, A.A., Tsiambaos G.: Engineering Geological aspects for the Microzonation of the city of Volos, Greece.....

10:50- 11:00 Depountis, N., Lainas, S., Pyrgakis, D., Sabatakakis, N., Koukis, G.: Engineering Geological and Geotechnical investigation of landslide events in wildfire affected areas of Ilia Prefecture, Western Greece.....

11:00- 11:10 Diasakos, N., Amerikanos, P., Tryfonas, G., Vagioutou, E., Baltzois, V., Bloukas, S., Tagkas, Th., Malandrakis, E., Poulakis, N., Kalogerogiannis, G., Tsirigotis, N.: Tunnel excavation in clayey-marly formations: The case of Kallidromo Tunnel.....

11:10- 11:20 Hagiou, E., Konstantopoulou G.: Environmental planning of abandoned Quarries rehabilitation – A methodology.....

11:20- 11:30 Mourtzas, N., Gkiolas A.: Tunneling in ophiolitic series formations: Tunnels of the new high-speed railway double track line - section Lianokladi – Domokos.....

11:30- 11:40 Mourtzas, N.D., Symeonidis, K., Passas, N., Alkalais, E., Kolaiti, E.: Slope stabilization on Chalkoutsi – Dilesi road, at Pigadakia location, Attica Prefecture.....

11:40- 11:50 Discussion

ENGINEERING GEOLOGY II (HALL I-10)

Chair: Charitaras B., Rozos D., Skias St., Depountis N.

12:30- 12:40 Karagianni, A., Karoutzos, G., Ktena, S., Vagenas, N., Vlachopoulos, I., Sabatakakis, N., Koukis, G.: Elastic Properties of Rocks.....

12:40- 12:50 Kouki, A., Rozos, D.: The fine – grained Plio – Pleistocene deposits in Achaia – Greece and their distinction in characteristic geotechnical units.....

12:50- 13:00 Kouki, A., Rozos, D.: Engineering – Geotechnical conditions in Patras ring road wider area, Greece. Compilation of the relevant map at scale of 1:5000.....

13:00- 13:10 Kozyreva, E.A., Khak, V.A.: The anthropogenic changes in the Geological Environment in the South of East Siberia.....

13:10- 13:20 Kynigalaki, M., Kanaris D., Nikolaou N., Kontogianni V.: Buildings’ damage at Horemi Village, Arkadia, Greece: evaluation of the Geotechnical conditions at shallow depths.....

13:20- 13:30 Lainas, S., Koulouris S., Vagenas S., Depountis N., Sabatakakis, N., Koukis, G.: Earthquake-induced rockfalls in Santomeri Village, Western Greece.....

- 13:30- 13:40 Loupasakis, C., Rozos, D.:** Land subsidence induced by the overexploitation of the aquifers in Kalochori village – new approach by means of the computational geotechnical engineering.....
- 13:40- 13:50 Loupasakis, C., Spanou, N., Kanaris, D., Exioglou, D., Georgakopoulos, A.:** Geotechnical investigation of the rock slope stability problems occurred at the foundations of the coastal byzantine wall of Kavala city, Greece.....
- 13:50- 14:00 Marinou, V.:** Engineering Geological behaviour of Rock masses in underground excavations.....
- 14:00- 14:10 Marinou, V.:** New proposed GSI classification charts for weak or complex rock masses.....
- 14:10- 14:20 Marinou, V., Tsiambaos, G.:** Strength and Deformability of specific sedimentary and ophiolitic rocks.....
- 14:20- 14:30 Discussion**

G.I.S. IN EARTH SCIENCES (HALL I-10)

Chair: Stefanakis E., Karymbalis E., Skianis G., Parcharidis I.

- 15:50- 16:00 Bathrellos, G.D., Skilodimou, H.D., Chousianitis, K.G.:** Soil erosion assessment in Southern Evia Island using USLE and GIS.....
- 16:00- 16:10 Golubović Deliganni, M., Parcharidis, I., Pavlopoulos, K.:** Karstic landscape study based on Remote Sensing Data: the case of Ksiromero region, Aitolokarnania - Western Greece.....
- 16:10- 16:20 Ilija, I., Tsangaratos, P., Koumantakis, I., Rozos, D.:** Application of a Bayesian approach in GIS based model for evaluating landslide susceptibility. Case study Kimi area, Euboea, Greece.....
- 16:20- 16:30 Karageorgiou, M.M.D., Karymbalis, E., Karageorgiou, D.E.:** The use of the Geographical Information Systems (G.I.S.) in the Geological – Mineralogical mapping of the Paranesti area.....
- 16:30- 16:40 Sboras, S., Ganas, A., Pavlides S.:** Morphotectonic analysis of the Neotectonic and Active faults of Beotia (Central Greece), using G.I.S. techniques.....
- 16:40- 16:50 Kynigalaki, M., Nikolaou, N., Karfakis, J., Koutsouveli, An., Poyiadji, El., Pyrgiotis, L., Konstantopoulou, G., Bellas, M., Apostolidis, Em., Loupasakis, K., Spanou, N., Sabatakakis, N., Koukis, G.:** Digital Engineering Geological map of the Athens Prefecture area and related Database Management System.....
- 16:50- 17:00 Nikolakopoulos, K., Gioti, Ev., Skianis, G., Vaiopoulos, D.:** Ameliorating the Spatial Resolution of Hyperion Hyperspectral Data. The case of Antiparos Island.....
- 17:00- 17:10 Parcharidis, I., Foumelis M., Kourkoulis, P.:** Slope instability monitoring by space-borne SAR Interferometry: Preliminary results from Panachaiko Mountain (Western Greece).....
- 17:10- 17:20 Rozos, D., Bathrellos, D.G., Skilodimou, D.H.:** Landslide susceptibility mapping of the Northeastern part of Achaia Prefecture using Analytical Hierarchical Process and GIS techniques.....
- 17:20- 17:30 Skianis, G.Aim., Gournelos, Th., Vaiopoulos, D., Nikolakopoulos, K.:** A study of the performance of the Modified Transformed Vegetation Index MTVI.....
- 17:30- 17:40 Tsangaratos, P., Koumantakis, I., Rozos, D.:** GIS-Based application for geotechnical data managing.....
- 17:40- 17:50 Discussion**

STRUCTURAL GEOLOGY (HALL I-11)

Chair: Kiliyas A., Migiros G., Zulauf G.

- 10:00- 10:30 KEYNOTE LECTURE Mountrakis, D.:** Evolution of the Tethyan orogenic Process in Greece and the surrounding areas.....
- 10:30- 10:40 Argyriadis, I., Midoun, M., Ntontos, P.:** A new interpretation of the Structure of Internal Hellenides.....
- 10:40- 10:50 Kiliyas, Ad., Frisch, W., Avgerinas, A., Dunkl, I., Falalakis, G., Gawlick, H-J., Mountrakis, D.:** The Pelagonian nappe pile in Northern Greece and FYROM. Structural Evolution during the Alpine Orogeny: A new approach.....
- 10:50- 11:00 Kokinou, E., Kamberis E., Sarris A., Tzanaki, I.:** Geological and Magnetic Susceptibility Mapping of Mount Giouchta (Central Crete).....
- 11:00- 11:10 Kurz, W., Wölfler A., Handler, R.:** Cenozoic Tectonic Evolution of the Eastern Alps – A reconstruction based on $^{40}\text{AR}/^{39}\text{AR}$ Mica, Zircon and Apatite Fission track and Apatite (U/TH) – HE Thermochronology.....
- 11:10- 11:20 Migiros, G., Antoniou, V., Papanikolaou I., Antoniou, Var.:** Tectonic setting and deformation of the Kallidromo Mt, Central Greece.....
- 11:20- 11:30 Tselepidis, V., Rondoyanni, Th.:** A contribution to the Geological Structure of Chios Island, Eastern Aegean Sea.....
- 11:30- 11:40 Xypolias, P., Chatzaras, V.:** The nature of Ductile deformation in the Phyllite – Quartzite unit (External Hellenides).....
- 11:40- 11:50 Zulauf, G., Dörr, W., Lode, S., Krahl, J.:** Late Carboniferous to Early Permian magmatism in the external hellenides: New age constraints from U-Pb zircon dating of metarhyolite (Crete, Greece).....
- 11:50- 12:00 Lode, S., Dörr, W., Fiala, J., Lahaye, J., Zulauf, G.:** Triassic (Cimmerian) orogenic processes in the external Hellenides – Kythira, greece: new age constraints from radiometric dating of felsic orthogneiss.....

12:00- 12:10 Discussion

NEOTECTONICS AND GEOMORPHOLOGY (HALL I-11)

Chair: Pavlides S., Caputo R., Alexouli-Livaditi A., Rondoyanni Th.

- 12:30- 13:00 KEYNOTE LECTURE Papanikolaou, D.:** Major Paleogeographic, tectonic and geodynamic changes from the last stage of the Hellenides to the actual Hellenic Arc and Trench System.....
- 13:00- 13:10 Caputo, R., Catalano, S., Monaco, C., Romagnoli, G., Tortorici, G., Tortorici, L.:** Middle – Late Quaternary Geodynamics of Crete, Southern Aegean, and Seismotectonic Implications.....
- 13:10- 13:20 Kokkalas, S.:**Segmentation and Interaction of Normal Faults in Central Greece.....
- 13:20-13:30 Metaxas, Ch.P., Lalechos, N.S., Lalechos, S.N.:** Kastoria “Blind” Active Fault: Hazardous Seismogenic Fault of the NW Greece.....
- 13:30- 13:40 Mourtzas, N.D.:** Sea level changes along the coast of Kea Island and Paleogeographical coastal reconstruction of Archaeological sites.....
- 13:40- 13:50 Moumou, Ch., Vouvalidis, K., Pechlivanidou, S., Nikolaou P.:** The Fluvial action of the Karla basin streams in a natural and man – made environment.....

13:50- 14:00 Pavlides, S., Caputo, R., Sboras, S., Chatzipetros, A., Papathanasiou, G., Valkaniotis, S.: The Greek Catalogue of Active Faults and Database of Seismogenic Sources.....

14:00- 14:10 Tranos, M.D., Mountrakis, D.M., Papazachos, C.B., Karagianni, E., Vamvakaris, D.: Faulting deformation of the Mesohellenic Trough in the Kastoria – Nestorion Region (Western Macedonia, Greece).....

14:10- 14:20 Discussion

MARINE GEOLOGY AND OCEANOGRAPHY (HALL I-11)

Chair: Perissoratis C., Sakellariou D., Albanakis K., Papatheodorou, G.

15:50- 16:20 KEYNOTE LECTURE Ferentinos, G.: The contribution of Marine Geology to the Socio-economic Development of Greece: Marine Resources, Infrastructure, Environment Sustainability, Cultural Heritage. A brief account of the 30 years contribution of the laboratory of Marine Geology and Physical Oceanography.....

16:20- 16:40 Perissoratis, C., Ioakim, Chr.: Research projects to study the Sea floor and Sub-bottom sediments funded by the recent European Commission Framework Programs: The IGME Participation.....

16:40- 16:50 Iatrou, M., Papatheodorou, G., Geraga, M., Ferentinos, G.: The study of Heavy Metal concentrations in the Red Mud deposits at the Gulf of Corinth, using multivariate techniques.....

16:50- 17:00 Lykourgiotis, S., Stiros, S.: Sea surface topography in the Gulf of Patras and the Southern Ionian Sea using GPS.....

17:00- 17:10 Papoulia, J., Makris, J.: Tectonic processes and crustal evolution on/offshore western Peloponnese derived from active and passive seismics.....

17:10- 17:20 Sakellariou, D., Fountoulis, I., Lykousis, V.: Evidence of cold seeping in Plio-Pleistocene sediments of SE Peloponnese: The fossil carbonate chimneys of Neapolis Region.....

17:20- 17:30 Sakellariou, D., Sigurdsson, H., Alexandri, M., Carey, S., Rousakis, G., Nomikou, P., Georgiou P., Ballas D.: Active tectonics in the Hellenic Volcanic Arc: the Kolumbo submarine volcanic zone.....

17:30- 17:40 Xeidakis, G., Georgoulas, A., Kotsovinos, N., Delimani, P., Varaggouli, E.: Environmental degradation of the coastal zone of the West part of Nestos River Delta, N. Greece.....

17:40- 17:50 Discussion

GEOCHEMISTRY AND ORE DEPOSIT GEOLOGY (HALL I-12)

Chair: Kelepertzis A., Economou M., Tsirambides A., Demetriades A.

10:00- 10:30 KEYNOTE LECTURE Varnavas, S.: Medical Geochemistry. A key in the Precautionary Measures against the Development of Cancer and other Diseases.....

10:30- 10:40 Alexandratos, V.G., Behrends, T., Van Cappellen, P.: The influence of reductive dissolution of iron oxides by S(-II) on uranium mobility.....

10:40- 10:50 Argyraki, A., Petrakaki N.: Heterogeneity in heavy metal concentrations in the soil of a firing range area at Kesariani, Athens, Greece.....

10:50- 11:00 Demetriades, A., Birke, M., Locutura, J., Bel-lan, A.B., Duris, M., EuroGeoSurveys Geochemistry Expert Group: Urban geochemical studies in Europe.....

- 11:00- 11:10 Demetriades, A., Reimann, C., Birke, M., Salminen, R., De Vos, W., Tarvainen, T., EuroGeoSurveys Geochemistry Expert Group:** Geochemical Atlases of Europe produced by the EuroGeoSurveys Geochemistry Expert Group: state of progress and potential uses.....
- 11:10- 11:20 Papastergios, G., Filippidis, A., Fernandez–Turiel, J.L., Gimeno, D., Sikalidis, C.:** Natural and anthropogenic effects on the soil geochemistry of Kavala area, Northern Greece.....
- 11:20- 11:30 Psomiadis, D., Dotsika, E., Albanakis, K., Zisi N., Poutoukis, D., Lazaridis, A.:** Comparison of sampling techniques for isotopic analysis of shallow marine carbonates.....
- 11:30- 11:40 Serelis, K.G., Kafkala, I.G., Parpodis, K., Lazaris, S.:** Anthropogenic and Geogenic contamination due to heavy metals in the vast area of Vari, Attica.....
- 11:40- 11:50 Stefanova, M., Marinov, S.P.:** Organic geochemistry of humic acids from a Neogene lignite sample, Bulgaria.....
- 11:50- 12:00 Tombros, S.F., St. Seymour, K., Spry, P.G., Bonsall, T.A.:** The isotopic signature of the mineralizing fluid of the Lavrion carbonate-replacement Pb-Zn-Ag district.....

12:00-12:10 Discussion

GEOSITES (HALL I-12)

Chair: Theodosiou Ir., Tsikouras B., Pasxos P.

- 12:30- 13:00 KEYNOTE LECTURE Zouros, N.:** Geodiversity and Sustainable Development: Geoparks - A new challenge for Research and Education in Earth Sciences.....
- 13:00- 13:10 Antonelou, A., Tsikouras, B., Papoulis, D., Hatzipanagiotou, K.:** Investigation of the formation of speleothems in the Agios Georgios Cave, Kilikis (N. Greece).....
- 13:10- 13:20 Fassoulas, C., Zouros, N.:** Evaluating the influence of Greek Geoparks to the local communities...
- 13:20- 13:30 Haidarlis, M., Sifakis, A., Brachou C.:** Geoconservation legal status and Geopark establishment in Greece.....
- 13:30- 13:40 Illiopoulos, G., Eikamp, H., Fassoulas, C.:** A new Late Pleistocene mammal locality from Western Crete.....
- 13:40- 13:50 Theodosiou, Ir.:** Designation of Geosites – Proposals for Geoparks in Greece.....
- 13:50- 14:00 Vaxevanopoulos, M., Melfos V.:** Hypogenic features in Maronia Cave, Thrace, Greece. Evidence from morphologies and fluid inclusions.....
- 14:00- 14:10 Zouros, N., Valiakos, I.:** Geoparks management and assessment.....

14:10- 14:20 Discussion

SPECIAL SESSION: TEACHING EARTH SCIENCES (HALL I-12)

Chair: Dermitzakis M., Zambetakis –Lekkas A., Fermeli G., Pavlides S.

- 16:00- 16:30 KEYNOTE LECTURE Pavlides, S.:** Geological teaching of earth science in Greece over the 1830–1930, comparison with present day.....
- 16:30- 16:40 Katrivanos, D.E., Makri, K.:** Perception of first-year geology students on the Tectonic Plates Theory.....

- 16:40- 16:50 Fermeli, G., Dermitzakis, M.:** The contribution of Museums’ digitalized Palaeontological collections to the scientific literacy of compulsory education students: the case of an interactive multimedia production of the Palaeontological and Geological Museum of the University of Athens.....
- 16:50- 17:00 Kritikou, S., Malegiannaki I.:** Following the traces of Naxian emery – an implementation of environmental education in geodidactics.....
- 17:00- 17:10 Fermeli, G., Vitsas T., Foundas P., Sokos E., Alexandropoulou S., Papatheodoropoulos P., Germenis N., Nikolaidis A. Zevgitis T.:** The use of Educational seismographs in the Seismology School Network “EGELADOS”.....

ROUND TABLE: TEACHING EARTH SCIENCES (HALL I-12)

“Teaching Geosciences and Geoenvironment in Secondary Schools and Universities”

Coordinators: Zambetakis – Lekkas A., Fermeli G.

- 17:30- 17:40 Dermitzakis, M.:** Pedagogical and didactical Education in the School of Sciences.....
- 17:40- 17:50 Pavlides, S.:** The academic and professional preparation of Geologists for the Secondary Education.....
- 17:50- 18:00 Zambetakis – Lekkas, A.:** The necessity of Geology teaching in Secondary Education.....
- 18:00- 18:10 Pritsa, K.:** Geologists in Secondary Education Schools: Present and Future.....
- 18:10- 18:20 Makridou, Th.:** Teaching “Geology - Geography” in the first Grade of High School
- 18:20- 18:30 Alexandropoulou, S.:** Geology in Environmental Education Projects.....
- 18:30- 18:40 Papaioannou, I.:** “Geology in High School”: a subject for environmental aware educators.....
- 18:40-19:00 Discussion**

18:00- 19:00 POSTER SESSIONS

19:30- 21:00 OPENING CEREMONY – OPENING LECTURE

Chair:

Alexopoulos A. President of the Geological Society of Greece

Markopoulos Th. President of the Geotechnical Chamber of Greece

Papavassiliou C. General Director of Institute of Mineralogy and Geological Exploration

Christanis K. Head of the Department of Geology, University of Patras

Papatheodorou G. Vice President Deputy Head of the Department of Geology, University of Patras

Koukis G. President of the Organising Committee of the 12th International Congress of the Geological Society of Greece

OPENING LECTURE Zerefos, C.S.: The “Anthropocene” in the Mediterranean.....

21:00- 22:00 Ice Breaking Party

FRIDAY 21 MAY
SPECIAL LECTURES HALL I-4

Chair: Zelilidis A., Christanis K., Peraki Th.

9:15- 9:55 Foscolos, A.E.: Climatic Changes: Anthropogenic Influence or Naturally Induced Phenomenon.....

HYDROGEOLOGY AND HYDROLOGY I (HALL I-4)

Chair: Kallergis G., Stourmaras G., Lambrakis N., Voudouris K., Nikolaou E.

10:30- 11:00 KEYNOTE LECTURE Soulios, G.: Springs (Classification, Function, Capturing).....

11:00- 11:10 Christaras, B.: Could water co-management contribute to Peace, in Middle East?.....

11:10- 11:20 Christoforidou, P., Panagopoulos A., Voudouris K.: Towards a new procedure to set up groundwater threshold values in accordance with the provisions of the EC Directive 2006/118: a case study from Achaia and Corinthia (Greece).....

11:20- 11:30 Dimitrakopoulos, D., Vassiliou, E., Tsangaratos, P., Iliu, I.: Environmental management of mine water, considering European Water Legislation. Case study of Megalopolis mines.....

11:30- 11:40 Katsanou, K., Stratikopoulos, K., Zagana, E. Lambrakis, N.: Radon changes along main faults in the broader Aigion region, NW Peloponnese.....

11:40- 11:50 Kelepertzis, E., Argyraki, A., Daftsis, E., Ballas, D.: Quality characteristics of surface waters at Asprolakkas River Basin, N.E. Chalkidiki, Greece.....

11:50- 12:00 Koukidou, I., Panagopoulos, A.: Application of feflow for the simulation of groundwater flow at the Tirnavos (Central Greece) alluvial basin aquifer system.....

12:00- 12:10 Kounis, G.D., Kounis, K.G.: Infiltration, Effective Porosity, Transmissibility and Critical Yield of water wells in the carbonate fissured aquifers of Attica – A contribution to the regional and managerial hydrogeology.....

12:10- 12:20 Kounis, G.D., Kounis, K.G.: Relationship between the transmissibility of the “Athens Schists” and the percentage of their competent rock component.....

12:20- 12:30 Maramathas, A., Gialamas, J., Pambuku, A., Beshku, H., Vako, E.: Brackish karst springs simulation with “modkarst” model under not enough data conditions (the case of the “Potami” spring at Himara Albania).....

12:30- 12:40 Rozos, D., Sideri, D., Loupasakis, C. Apostolidis, E.: Land subsidence due to excessive ground water withdrawal. A case study from Stavros - Farsala site, West Thessaly Greece.....

12:40- 12:50 Matiatos, I., Alexopoulos, A., Zouridakis, N.: Use of stable isotopes in the determination of the mean altitude of recharge and the investigation of function mechanism of spring waters in Argolis Peninsula (Greece).....

12:50- 13:00 Discussion

HYDROGEOLOGY AND HYDROLOGY II (HALL I-4)

Chair: Koumantakis I., Alexopoulos A., Stamatis G., Zagana E., Nikas K.

15:30- 16:00 KEYNOTE LECTURE Rausch, R., Schüth, C., Kallioras. A.: Groundwater Resources Management in Arid Countries.....

16:00- 16:10 Mertzanides, Y., Economou, N., Hamdan, H., Vafidis, A.: Imaging sea water intrusion in coastal zone of Kavala (N. Greece) with electrical resistivity tomography.....

- 16:10- 16:20 Mertzanides, Y., Ziannos, V., Tsobanoglou, C., Kosmidis, E.:** Telemetry network for monitoring quality of irrigation water in Kavala (N. Greece).....
- 16:20- 16:30 Papafotiou, A., Schütz, C., Lehmann, P., Vontobel, P., Or, D., Neuweiler, I.:** Measurement of Preferential Flow During Infiltration and Evaporation in Porous Media.....
- 16:30- 16:40 Mariolakos, I., Spyridonos, E.:** Remarks on the karstification in the wider area of the Upper Messinia closed hydrogeological basin (SW Peloponnesus, Greece).....
- 16:40- 16:50 Skordas, K., Tziritis, E., Kelepertsis, A.:** Groundwater quality of the hydrological basin of Amyros River, Agia area Thessaly, Greece.....
- 16:50- 17:00 Stamatis, G.:** Groundwater quality of the Ag. Paraskevi/Tempi valley karstic springs - application of a tracing test for research of the microbial pollution (Kato Olympos/NE Thessaly).....
- 17:00- 17:10 Zagana, E., Lemesios, I., Charalambopoulos, S., Katsanou, K., Stamatis, G., Lambrakis, N.:** Environmental – Hydrogeological investigations on the clay deposits in the broad area of Mesologgi – Aitoliko lagoons.....

17:10- 17:20 Discussion

MINERALOGY AND PETROLOGY I (HALL I-10)

Chair: Christofidis G., Mposkos E., Hatzipanagiotou K.

- 10:30- 11:00 KEYNOTE LECTURE Katagas, Ch.:** Wandering about Mineralogy and Petrology.....
- 11:00- 11:10 Christidis, G.E., Skarpelis, N.:** Clay mineralogy of the sedimentary iron-nickel ore of Agios Ioannis, NE Boeotia: new data and implication for diagenetic modifications.....
- 11:10- 11:20 Christidis, G.E., Katsiki, P., Pratikakis, A., Kacandes, G.:** Rheological properties of Palygorskite-Smectite suspensions from the Ventzia Basin, W. Macedonia, Greece.....
- 11:20- 11:30 Christidis, G.E., Perdikatsis, V., Apostolaki, Ch.:** Mineralogy of the Saharan Aeolian Dust in Crete: examples from the period 2004-2009.....
- 11:30- 11:40 Çina, A.:** Mineralogy of chromitite, Bulqiza ultramafic massif, Albanian ophiolitic complex.....
- 11:40- 11:50 Filippidis, A., Papastergios, G., Apostolidis, N., Filippidis, S., Paragios, I., Sikalidis, C.:** Purification of urban wastewaters by Hellenic natural Zeolite.....
- 11:50- 12:00 Georgiadis, I.K., Koronaios, A., Tsirambides, A., Stamatakis, M.:** Textural and petrological study of modern sands from the Vertiskos Unit of Serbomacedonian Massif (Macedonia, Greece).....
- 12:00- 12:10 Kitsopoulos, K.:** Magma generation and mixing in the earliest volcanic centre of Santorini (Akrotiri Peninsula). Mineral chemistry evidence from the Akrotiri Pyroclastics.....
- 12:10- 12:20 Koutsopoulou, E., Tsolis-Katagas, P., Papoulis, D.:** Heavy metals in stream sediments affected by a landfill and associated impact on groundwater quality.....
- 12:20- 12:30 Lykakis, N. Kilias, S. P.:** Epithermal Manganese Mineralization, Kimolos Island, South Aegean Volcanic Arc, Greece.....
- 12:30- 12:40 Mposkos, E., Baziotis, I.:** Study of the Metamorphic evolution of a carbonate – bearing metaperidotite from the Sidironero complex (Central Rhodope, Greece) using P-T and P(T)- X_{CO2} Pseudosections.....
- 12:40- 12:50 Papadopoulos, A., Christofides, G., Papastefanou, C., Koroneos, A., Stoulos, S.:** Radioactivity of granitic rocks from Northern Greece.....

12:50- 13:00 Discussion

MINERALOGY AND PETROLOGY II (HALL I-10)

Chair: Gartzos E., Magganas A., Oikonomou G., Kotopouli C.

- 15:30- 15:40 Persianis, D., Katsikis, J., Karageorgiou, D.E.:** The genetic hypothesis of the uraniferous mineralization, Eastern Chalkidiki (Northern Greece).....
- 15:40- 15:50 Ploumis, P., Chatzipanagis, I.:** Geological, Petrological and Tectonic features characterizing the commerciality of the marbles of Southern Vermion Mountain.....
- 15:50- 16:00 Rigopoulos, I., Tsikoura, B., Pomonis, P., Karipi, S., Hatzipanagiotou, K.:** Quantitative analysis of Asbestos fibres in ophiolitic rocks used as aggregates and hazard risk assessment for human health.....
- 16:00- 16:10 Solomonidou, A., Dominic Fortes, A., Kyriakopoulos, K.:** Modelling of Volcanic Eruptions on Titan.....
- 16:10- 16:20 Stamatakis, M., Stamatakis, G.:** The use of diatomaceous rocks of Greek origin as absorbents of olive-oil wastes.....
- 16:20- 16:30 Theodosoglou, E., Koroneos, A., Soldatos, T., Zorba, T., Paraskevopoulos, K.M.:** Comparative Fourier Transform infrared and X-Ray powder diffraction analysis of naturally occurred K-feldspars.....
- 16:30- 16:40 Tzamos, E., Filippidis, A., Kantiranis, N., Sikalidis, C., Tsirambides, A., Papastergios, G., Vogiatzis, D.:** Uptake ability of zeolitic rock from South Xerovouni, Avdella, Evros, Hellas.....
- 16:40- 16:50 Vasilatos, Ch., Vlachou-Tsipoura, M., Stamatakis, M.G.:** On the Occurrence of a Volcanic Ash Layer in the Xylokastro Area, North Peloponnesus, Greece: Mineralogy and Geochemistry.....
- 16:50- 17:00 Voudouris, P., Magganas, A., Kati, M., Gerogianni, N., Kastanioti, G., Sakelaris, G.:** Mineralogical constraints to the formation of vein-type zeolites from Kizari area, Thrace Northern Greece.....

17:00- 17:10 Discussion

INDUSTRIAL MINERALS AND ROCKS (HALL I-10)

Chair: Filippidis A., Stamatakis M., Tsolis – Katagas P., Christidis G.

- 18:00- 18:10 Anagnostou, Ch.:** Bauxite resource exploitation in Greece vs sustainability.....
- 18:10- 18:20 Arvanitidis, N.D.:** New metallogenetic concepts and sustainability perspectives for non-energy metallic minerals in central Macedonia, Greece.....
- 18:20- 18:30 Cundy A.:** Towards sustainable methods of land remediation and site regeneration.....
- 18:30- 18:40 Kitsopoulos, K.:** Immobile trace elements discrimination diagrams with zeolitized volcanoclastics from the Evros - Thrace - Rhodope volcanic terrain.....
- 18:40- 18:50 Lampropoulou, P., Tzevelekou, Th., Papamantellos, D., Stivanakis, V., Papaefthymiou, S.:** Human interferences to the environment, consequences and care.....
- 18:50- 19:00 Laskaridis, K., Patronis, M.:** "Karystia lithos": a timeless structural ornamental stone.....
- 19:00- 19:10 Leontakianakos, G., Baziotis, I., Ekonomou, G., Delagrammatikas, G., Galbenis, C.T., Tsimas, S.:** A Case study of different limestones during quick lime and slaked-lime production.....

19:10- 19:20 Mariolakos, K.: Single crystal synthesis of the compounds $Cu_4Bi_5S_{10}$ and $Cu_3Bi_2S_3I_3$ in the temperature gradient.....

19:20-19:30 Discussion

PALAEONTOLOGY, STRATIGRAPHY AND SEDIMENTOLOGY I (HALL I-11)

Chair: Theodorou G., Antonarakou A., Triantaphyllou M., Tselepidis V.

10:30- 11:00 KEYNOTE LECTURE Dermitzakis, M.D.: The Status of Stratigraphy in the 21st Century.....

11:00 -11:10 Antonarakou, A.: Plankton Biostratigraphy and Paleoclimatic implications of an Early Late Miocene sequence of Levkas Island, Ionian Sea, Greece.....

11:10 -11:20 Bellas, S., Keupp, H.: Contribution to the late Neogene stratigraphy of the Ancient Gortys area (Southern Central Crete, Greece).....

11:20 -11:30 Codrea, V., Barbu, O., Jipa-Murzea, C.: Upper Cretaceous (Maastrichtian) land vertebrate diversity in Alba district (Romania).....

11:30 -11:40 Drinia, H., Koskeridou, E., Antonarakou, A., Tzortzaki, E.: Benthic Foraminifera associated with the zooxanthellate coral *Cladocora* in the Pleistocene of the Kos Island (Aegean Sea, Greece): sea level changes and palaeoenvironmental conditions.....

11:40 -11:50 Drinia, H., Pomoni-Papaioannou, F., Tsaparas, N., Antonarakou, A.: Miocene Scleractinian corals of Gavdos Island, Southern Greece: Implications for tectonic control and sea level changes.....

11:50 -12:00 Triantaphyllou, M.V.: Calcareous nannofossil Biostratigraphy of Langhian deposits in Lefkas (Ionian Islands).....

12:00 -12:10 Triantaphyllou, M.V., Antonarakou, A., Drinia, H., Dimiza M.D., Kontakiotis, G., Tsolakis, E., Theodorou, G.: High resolution Biostratigraphy and Paleoecology of the Early Pliocene succession of Pissouri Basin (Cyprus Island).....

12:10 -12:20 Kafousia, N., Karakitsios, V., Jenkyns, H.C.: Preliminary data from the first record of the Early Toarcian oceanic anoxic event in the sediments of the Pindos Zone (Greece).....

12:20 -12:30 Zambetakis – Lekkas, A.: On the occurrence of primitive *Orbitoides* species in Gavrovo – Tripolitza platform (Mainalon Mountain, Peloponnesus, Greece).....

12:30 -12:40 Avramidis, P., Panagiotaras, D., Papoulis, D., Kontopoulos, N.: Sedimentological and Geochemical characterization of Holocene sediments, from Alikes Lagoon, Zakynthos Island, Western Greece.....

12:50 -13:00 Karakitsios, V., Triantaphyllou, M., Panoussi, P.: Preliminary study on the slump structures of the Early Oligocene sediments of the Pre-Apulian zone (Antipaxos Island, North-western Greece).....

13:00- 13:10 Discussion

PALAEONTOLOGY, STRATIGRAPHY AND SEDIMENTOLOGY II (HALL I-11)

Chair: Zambetakis – Lekkas A., Pomoni – Papaioannou F., Drinia H.

15:30 -15:40 Koutsios, A., Kontopoulos N., Kalisperi D., Soupios P., Avramidis P.: Sedimentological and Geophysical observations in the Delta Plain of Selinous River, Ancient Helike, Northern Peloponnesus Greece.....

15:40 -15:50 Kyriakopoulos, K., Karakitsios, V., Tsipoura-Vlachou, M., Barbera G., Mazzoleni, P., Puglisi, D.: Petrological characters of the Early Cretaceous Boeothian Flysch, (Central Greece).....

- 15:50 -16:00 Maneta, V., Voudouris, P.:** Quartz megacrysts in Greece: Mineralogy and Environment of Formation.....
- 16:00-16:10 Papanikolaou, M., Papanikolaou, D., Triantaphyllou, M.:** Post – Alpine Late Pliocene – Middle Pleistocene uplifted Marine sequences in Zakynthos Islands.....
- 16:10 -16:20 Pavlopoulos, A., Kamperis, E., Sotiropoulos, S., Triantaphyllou, M.:** Tectonosedimentary significance of the Messinia conglomerates (SW Peloponnese, Greece).....
- 16:20 -16:30 Sigalos, G., Loukaidi, V., Dasaklis, S., Alexouli-Livaditi, A.:** Assessment of the Quantity of the material transported downstream of Sperchios River, Central Greece.....
- 16:30 -16:40 Svana, K., Iliopoulos, G., Fassoulas, C.:** New Sirenian findings from Crete Island.....
- 16:40 -16:50 Zidianakis, G., Iliopoulos, G., Fassoulas, C.:** A new late Miocene plant assemblage from Messara Basin (Crete, Greece).....
- 16:50- 17:00 Discussion**

PALAEONTOLOGY, STRATIGRAPHY AND SEDIMENTOLOGY III (HALL I-11)

POSTER PRESENTATION

Chair: Pavlopoulos A., Karakitsios V., Kontopoulos N.

- 18:00- 18:05 Makrodimitras, G., Stoykova, K., Vakalas, I., Zelilidis, A.:** Age determination and Palaeogeographic reconstruction of Diapondia Islands in NW Greece, based on Calcareous Nannofossils...
- 18:05 -18:10 Anagnostoudi, Th., Papadopoulou, S., Ktenas, D., Gkadri, E., Pyliotis, I., Kokkidis, N., Panagiotopoulos, V.:** The Olvios, Rethis and Inachos Drainage System Evolution and Human activities influence of their future evolution.....
- 18:10 -18:15 Kourkounis, S., Panagiotakopoulou, O., Zelilidis, A., Kontopoulos, N.:** Texture versus distance of travel of gravels on a stream bed: a case study from four streams in NW Peloponnese, Greece.....
- 18:15 -18:20 Zoumpoulis, E., Pomoni-Papaioannou, F., Zelilidis, A.:** Studying in the Paxos zone the carbonate depositional environment changes during Upper Cretaceous, in Sami area of Kefallinia Island, Greece.....
- 18:20- 18:25 Manoutsoglou, E., Batsalas, A., Stamboliadis, E., Pantelaki, O., Vakalas, I., Zelilidis, A.:** The Auriferous submarine fans sandstones of the Ionian zone (Epirus, Greece).....
- 18:25- 18:30 Dimiza, M.D., Triantaphyllou, M.V.:** Comparing living and Holocene coccolithophore assemblages in the Aegean marine environments.....

18:30- 18:40 Discussion

ENERGY RESOURCES AND GEOTHERMICS (HALL I-12)

Chair: Georgakopoulos A., Karageorgiou D., Hatzigiannis G.

- 10:30- 11:00 KEYNOTE LECTURE Christanis, K.:** Energy Resources of Greece: Facts and Myths.....
- 11:00- 11:10 Fotopoulou, M., Siavalas, G., İnaner, H., Katsanou, K., Lambrakis, N., Christanis, K.:** Combustion and leaching behavior of trace elements in lignite and combustion by products from the Muğla basin, SW Turkey.....
- 11:10 – 11:20 Kalogeropoulos S.:** Greece is in the need of exploration and development of its indigenous hydrocarbon resources in the light of sustainable development and climate change.....

- 11:20- 11:30 Karageorgiou, D.E., Metaxas, A., Dimitriou, D., Arapogiannis, E., Varvarousis, G.:** Contribution of lignite in the Greek economy.....
- 11:30- 11:40 Karageorgiou, D.E., Metaxas, A., Karageorgiou, M.M.D., Papanikolaou, G., Georgakopoulos, A.N., Vrettos, K.:** Development of lignite in Crete. Comparison of basins, possibilities of exploitation.....
- 11:40- 11:50 Kolios, N., Arvanitis, A., Karydakis, G., Koutsinos, S.:** Geothermal drilling activity in the Akropotamos area (Macedonia, Northern Greece).....
- 11:50- 12:00 Metaxas, A., Varvarousis, G., Karydakis, Gr., Dotsika, E., Papanikolaou, G.:** Geothermic status of Thermopylae - Anthili area in Fthiotida Prefecture.....
- 12:00- 12:10 Metaxas, A., Georgakopoulos A.N., Karageorgiou D.M.M., Papanikolaou G., Karageorgiou E.D.:** CO₂ Content of Greek lignite: the case of Proastio lignite deposit in Ptolemais Basin, Northern Greece.....
- 12:10- 12:20 Oikonomopoulos, I., Perraki, Th., Tougiannidis, N.:** FTIR study of two different lignite lithotypes from Neocene Achlada lignite deposits in NW Greece.....
- 12:20- 12:30 Papanicolaou, C., Triantafyllou, G., Pasadakis, N., Foscolos, A, E.:** Adsorption of phenols from olive oil mill wastewater as well as n and p from a simulated city wastewater liquid on activated Greek lignites.....

12:30-12:40 Discussion

URBAN GEOLOGY I (HALL I-12)

Chair: Tsombos P., Sabatakakis P., Galanakis D., Photiades A.

- 15:30- 15:40 Tsombos, P.I., Zervakou, A.D.:** The “Urban Geology” project of IGME: the case study of Nafplio, Argolis Prefecture, Greece.....
- 15:40- 15:50 Photiades, A.:** Geological contribution to the Tectono- Stratigraphy of the Nafplion area (NW Argolis, Greece).....
- 15:50- 16:00 Georgiou Ch., Galanakis D.:** Neotectonic study of Urban and Suburban Nafplio area (Argolida-Greece).....
- 16:00- 16:10 Apostolidis, Em., Koutsouveli, An.:** Engineering geological mapping in the Urban and Suburban region of Nafplion city (Argolis, Greece).....
- 16:10- 16:20 Loupasakis, C., Galanakis, D., Rozos, D.:** Rock slope stability problems in natural sightseeing areas - an example from Arvanitia, Nafplio, Greece.....
- 16:20- 16:30 Sabatakakis, P., Koukis, G.:** Aqueous environment and effects on the civil areas: The case of Nafplio.....
- 16:30- 16:40 Tassiou, S., Vassiliades, E.:** Geochemical study of the urban and suburban area of Nafplion city, Argolidha Prefecture, Hellas.....
- 16:40- 16:50 Koukoulis, A., Karageorgiou, D.E.:** Radon: Geoinformation for the planning of urban – suburban regions. The case of Nafplion city, Greece.....
- 16:50- 17:00 Mitropoulos, D., Zananiri I.:** Upper Quaternary evolution of the Northern Argolis Gulf, Nafplio area.....

17:00-17:10 Discussion

URBAN GEOLOGY II (HALL I-12)

Chair: Tsombos P., Moraiti E., Karmis P., Karastathis V.

- 18:00- 18:10 Nikolakopoulos, K., Tsompos, P.:** Remote Sensing applications in the frame of "Urban Geology" project.....
- 18:10- 18:20 Karmis, P.D., Giannouloupoulos, P., Tsombos, P.:** Geophysical investigations at Nafplion city, Greece. Hydrogeological implications.....
- 18:20- 18:30 Karastathis, V.K., Karmis, P., Novikova, T., Roumelioti, Z., Gerolymatou, E., Papanastassiou, D., Liakopoulos, S., Giannouloupoulos, P., Tsombos, P., Papadopoulos, G. A.:** Liquefaction risk assessment by the use of Geophysical techniques: the test area of Nafplion city, Greece.....
- 18:30- 18:40 Zananiri, I., Chiotis, E., Tsombos, P., Hademenos, V., Zervakou, A.:** Geoarchaeological studies in urban and suburban areas of the Argolis Prefecture.....
- 18:40- 18:50 Zananiri, I., Zervakou, A., Tsombos, P., Chiotis, E.:** Visualization of datasets from urban geology studies using Google Earth: the case study of Nafplio, Argolis Prefecture.....
- 18:50- 19:00 Zervakou, A.D., Tsombos P.I.:** GIS in urban geology: the case study of Nafplio, Argolis Prefecture, Greece.....
- 19:00-19:10 Discussion**

GEOARCHAEOLOGY (HALL I-13)

Chair: Stiros S., Katsonopoulou D., Kokkalas S.

- 10:30 -11:00 KEYNOTE LECTURE Mariolakos, I.D.:** The forgotten geographical and physical – oceanographic knowledge of the Prehistoric Greeks.....
- 11:00 -11:20 Papamarinopoulos S.P.:** Atlantis in Spain.....
- 11:20-11:30 Economou, G., Kougemitrou, I., Perraki, M., Konstantinidi-Syvridi E., Smith D.C.:** A Mineralogical study of some Mycenaean Seals employing Mobile Raman Microscopy.....
- 11:30-11:40 Katsonopoulou, D.:** Earth Science Applications in the field of Archaeology: the Helike example.....
- 11:40-11:50 Mariolakos, I.,Theocharis, D.:** Geomythological approach of Asopos River (Aegina, Greece).....
- 11:50-12:00 Mariolakos, I. Nikolopoulos, V., Bantekas, I., Palyvos, N.:** Oracles on faults: a probable location of a “lost” oracle of Apollo near Oroviai (Northern Euboea Island, Greece) viewed in its Geological and Geomorphological context.....
- 12:00-12:10 Melfos, V., Voudouris, P., Papadopoulou, L., Sdrolia, S., Helly, B.:** Mineralogical, Petrographic and stable isotopic study of Ancient white marble quarries in Thessaly, Greece - II. Chasanbali, Tempi, Atrax, Tisaion Mountain.....
- 12:10-12:20 Rathossi, C., Pontikes, Y., Tsohis-Katagas, P.:** Mineralogical differences between ancient sherds and experimental ceramics: Indices for Firing conditions and Post - burial alteration.....
- 12:20-12:30 Stiros, S., Kontogianni, V.:** Selection of the path of the Eupalinos aqueduct at Ancient Samos on the basis of Geodetic and Geological / Geotechnical criteria.....
- 12:30-12:40 Discussion**

NATURAL HAZARDS (HALL I-13)

Chair: Ferentinos G., Lekkas E., Vougioukalakis G.

- 15:30- 15:40 Diakakis, M.:** Flood history analysis and its contribution to flood hazard assessment. The case of Marathonas, Greece.....
- 15:40- 15:50 Gournelos, T., Nastos P.T., Chalkias D., Tsagas D., Theodorou D.:** Landslide movements related to precipitation. Analysis of a statistical sample from the Greek area.....
- 15:50- 16:00 Kadetova, A.V., Kozireva E.A.:** The potential natural hazards to be considered in the design and exploitation of the aerial rope-way in the “Gora Sobolinaya” mountain-skiing resort (Southern Pribaikalia, Russia).....
- 16:00- 16:10 Lekkas, E.:** Macroseismicity and Geological effects of the Wenchuan earthquake (Ms 8.0r - 12 May 2008), Sichuan, China: Macro-distribution and comparison of EMS₁₉₉₈ and ESI₂₀₀₇ intensities.....
- 16:10- 16:20 Papathanassiou, G., Pavlides, S.:** Probabilistic evaluation of liquefaction-induced ground failures triggered by seismic loading in urban environment; case studies from Greece.....
- 16:20-16:30 Papathanassiou, G., Valkaniotis, S., Chatzipetros, Al., Pavlides S.:** Liquefaction susceptibility map of Greece.....
- 16:30- 16:40 Christaras, B., Syrides, G., Papathanassiou, G., Chatzipetros, A., Mavromatis, T. , Pavlides, Sp.:** Evaluating the triggering factors of the rock falls of 16th and 21st December 2009 in Nea Fokea, Chalkidiki, Northerh Greece.....
- 16:40- 16:50 Poyiadji, E., Nikolaou, N., Karmis, P.:** Ground failure due to Gypsum dissolution.....
- 16:50- 17:00 Rozos, D., Lykoudi, E. , Tsangaratos, P., Markantonis, K., Georgiadis, P. , Rondoyanni, Th., Leivaditi, A., Kyrousis, I.:** Evaluation of soil erosion and susceptibility to landslide manifestation as a consequence of wildfire events affected the Zacharo municipality, Peloponnesus, Greece.....

ROUND TABLE: NATURAL HAZARDS (HALL I-13)

Coordinators: Lekkas E., Koukouvelas I., Sigalos G.

- 17:30- 17:45 Lekkas, E.:** Society and Earthquakes.....
- 17:45- 18:00 Papatheodorou, G.:** Offshore Geological Hazards.....
- 18:00- 18:15 Koukouvelas, I.:** Landslides and Liquefaction during moderate to strong earthquakes
- 18:15- 18:30 Sigalos, G.:** Forest Fires
- 18:30- 18:45 Caputo, R.:** Data Bases of Active Faults.....
- 18:45- 19:00 Zelilidis, A.:** Flooding Events.....

CLOSING CEREMONY

19:30- 20:00

THURSDAY 20 MAY

18:00-19:00 POSTER SESSION

FRIDAY 21 MAY

09:00-19:30 POSTER SESSION

SEISMOLOGY

1. **Chousianitis, K., Agalos, A., Papadimitriou, P., Lagios, E., Makropoulos, K.:** Source parameters of moderate and strong earthquakes in the broader area of Zakynthos Island (W. Greece) from regional and teleseismic digital recordings.
2. **Karamanos, Ch.K., Karakostas, V.G., Seeber, L., Papadimitriou, E.E. Kiliias, A.A.:** Recent seismic activity in Central Greece revealing local seismotectonic properties.
3. **Paradisopoulou, P.M., Papadimitriou, E.E., Karakostas, V.G., Lasocki, S., Mirek, J., Kiliias, A.:** Influence of stress transfer in probability estimates of $M \geq 6.5$ earthquakes in Greece and surrounding areas.
4. **Tsapanos, T.M., Koravos, G.Ch., Plessa, A., Vythoulkas, N.K. Pitsonis, I.S.:** Decay parameters of aftershock sequences globally distributed.

GEOPHYSICS

5. **Alexopoulos, J.D., Dilalos, S.:** Geophysical research for geological structure determination in the region of South Mesogheia (Attica).

ENGINEERING GEOLOGY

6. **Chatziangelou, M., Thomopoulos Ach., Christaras B.:** Excavation data and failure investigation along tunnel of Symbol Mountain.
7. **Christaras, B., Papathanassiou, G., Vouvalidis, K., Pavlides, S.:** Preliminary results regarding the rock falls of December 17, 2009 at Tempi, Greece.
8. **Kouki, A.:** Mineralogical composition and fabric as related to the mechanical behavior of the fine – grained Plio – Pleistocene sediments of Achaia, Greece.
9. **Moraiti, E., Christaras, B., Brauer, R.:** Landslide in Nachterstedt of Germany.

STRUCTURAL GEOLOGY

10. **Marsellos, A.E., Kidd, W.S.F., Garver, J.I., Kyriakopoulos, K.G.:** Exhumation of the Hellenic Accretionary Prism – Evidence from the Fission Track Thermochronology.
11. **Papageorgiou, E.:** Crustal Movements along the Hellenic Volcanic Arc from DGPS measurements.
12. **Papageorgiou, E., Tzanis, A., Sotiropoulos, P., Lagios, E.:** DGPS and Magnetotelluric constraints on the Contemporary Tectonics of the Santorini Volcanic Complex, Greece.
13. **Spanos, D., Koukouvelas, I., Kokkalas, S., Xypolias, P.:** Patterns of Ductile Deformation in Attico – Cycladic Massif.

NEOTECTONICS AND GEOMORPHOLOGY

14. **Gaki – Papanastassiou, K., Karymbalis, E., Maroukian, H.:** Recent Geomorphic changes and Anthropogenic Activities in the Deltaic Plain of Pinios River in Central Greece.

15. **Gaki – Papanastassiou, K., Karymbalis, E., Maroukian, H., Tsanakas, K.:** Geomorphic evolution of Western (Paliki) Kephallonia Island (Greece) during the Quaternary.
16. **Nomikou, P., Papanikolaou, D.:** A comparative morphological study of the Kos – Nisyros – Tilos volcanosedimentary basins.
17. **Tsanakas, K., Gaki-Papanastassiou, K., Poulos, S.E., Maroukian, H.:** Geomorphology and Sedimentological processes along the coastal zone between Livanates and Agios konstantinos (N. Evoikos Gulf, Central Greece).
18. **Vassilopoulou, S.:** Morphotectonic analysis of Southern Argolis Peninsula (Greece) based on Ground and Satellite Data by GIS Development.
19. **Zygouri, V.:** Probabilistic Hazard Assessment, using Arias Intensity equation, in the eastern part of the Gulf of Corinth (Greece).

MARINE GEOLOGY AND OCEANOGRAPHY

20. **Thomopoulos, K., Geraga, M., Fakiris, E., Papatheodorou, G., Ferentinos, G.:** Palaeoclimatic and Palaeoceanographic evolution of the Mediterranean Sea over the last 18ka.

GEOCHEMISTRY AND ORE DEPOSIT GEOLOGY

21. **D' Alessandro, W., Brusca, L., Martelli, M., Rizzo, A., Kyriakopoulos, K.:** Geochemical characterization of natural gas manifestations in Greece.
22. **Kyriakopoulos, G.K.:** Natural degassing of carbon dioxide and hydrogen sulphide and its environmental impact at Milos Island, Greece.
23. **Triantafyllidis, S., Skarpelis, N.:** Geochemical investigation and modelling of an acid pit lake from a high sulfidation ore deposit: Kirki, NE Greece.

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24. **Dotsika, E., Psomiadis, D., Zanchetta, G., Spyropoulos, N., Leone, G., Tzavidopoulos, I., Poutoukis, D.:** Pleistocene Palaeoclimatic evolution from Agios Georgios Cave speleothem (Kilkis, N. Greece).
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27. **Makri, K., Pavlides, S.B., Kastanis, N.:** An analysis of Geological Textbooks, at 1830-1930.

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28. **Gkiougkis, I., Mwila, G., Pliakas, F., Kallioras, A., Diamantis, I.:** Hydrogeological assessment of groundwater degradation at the Eastern Nestos River Delta, N.E. Greece.
29. **Karalemas, N., Lekkas, S.:** Operational mechanism of karst spring “Logaras”, near the village “Skortsinou”, Arcadia, (Peloponnesus).
30. **Karapanos, E., Burgess, W., Lambrakis, N.:** Groundwater flow modelling of the alluvial aquifer in the Mouria area, SW Greece.

31. **Nikas, K., Antonakos, A., Kallergis, G., Kounis, G.:** International Hydrogeological map of Europe: sheet D6 “Athina”.
32. **Raco, B., Dotsika, E., Psomiadis, D., Doveri, M., Lelli, M., Zisi, N., Papakonstantinou, K., Lazaridis, A.:** Geochemical investigation of Aquifer pollution from waste management. The case of Komotini landfill (Greece).

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33. **Baziotis, I., Mposkos E.:** Geochemistry and tectonic setting of eclogite protoliths from Kechros complex in East Rhodope (N.E. Greece).
34. **Bourliva, A., Michailidis, K., Sikalidis, C., Filippidis, A., Apostolidis, N.:** Municipal Wastewater Treatment with Bentonite from Milos Island, Greece.
35. **Bourouni, P., Tsikouras, B., Hatzipanagiotou, K.:** Petrological investigation of carbonate rocks from the Ionian zone (Etoloakarnania, Western Greece).
36. **Fadda, S., Fiori M., Pretti S., Valera P.:** Manganese mineralisations at the base of Miocene sediments in Northern Sardinia (Italy).
37. **Karipi, S., Tsikouras, B., Rigopoulos, I., Hatzipanagiotou, K., Pomonis, P.:** Insights into hydrothermal activity in the Iti Ophiolite (Central Greece).
38. **Michailidis, K., Trontzios, G., Sofianska, E.:** Chemical and mineralogical assessment of clays from Peloponnese (S. Greece) and their evaluation for utilization in ceramics industry.

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39. **Fadda, S., Fiori, M., Pretti, S., Valera, P.:** Volcanic – sedimentary metal deposition in Paleomargin environment: A “Protore” occurrence in Central Sardinia (Italy).
40. **Manoutsoglou, E., Panagopoulos, G., Spyridonos, E., Georgiou, A.:** Methodology for optimal determination of new drilling program in an active open pit: example from an active sulfate open pit in Altsi, Lasithi Prefecture, Eastern Crete.
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42. **Papastamatiou, D., Skarpelis, N., Argyraki, A.:** Air quality in mining areas: the case of Stratoni, Chalkidiki, Greece.

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43. **Anagnostoudi, Th., Papadopoulou, S., Ktenas, D., Gkadri, E., Pylitis, I., Kokkidis, N., Panagiotopoulos, V.:** The Olvios, Rethis and Inachos Drainage System Evolution and Human activities influence of their future evolution.
44. **Dimiza, M.D., Triantaphyllou, M.V.:** Comparing living and Holocene coccolithophore assemblages in the Aegean marine environments.
45. **Kourkounis, S., Panagiotakopoulou, O., Zelilidis, A., Kontopoulos, N.:** Texture versus distance of travel of gravels on a stream bed: a case study from four streams in NW Peloponnese, Greece.
46. **Makrodimitras, G., Stoykova, K., Vakalas, I., Zelilidis, A.:** Age determination and Palaeogeographic reconstruction of Diapondia Islands in NW Greece, based on Calcareous Nannofossils.

47. **Manoutsoglou, E., Batsalas, A., Stamboliadis, E., Pantelaki, O., Vakalas, I., Zelilidis, A.:** The Auriferous submarine fans sandstones of the Ionian zone (Epirus, Greece).
48. **Photiades, A., Pomoni-Papaioannou, F.A., Kostopoulou, V.:** Correlation of Late Triassic and Early Jurassic Lofer – type carbonates from the Peloponnesus peninsula, Greece.
49. **Stathopoulou, E., Filippidi, A., Theodorou, G.:** Comparative study of “Black” Pygmy Hippo bones from fossiliferous sites in Cyprus.
50. **Zoumpoulis, E., Pomoni-Papaioannou, F., Zelilidis, A.:** Studying in the Paxos zone the carbonate depositional environment changes during Upper Cretaceous, in Sami area of Kefallinia Island, Greece.

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51. **Mertzanides, Y., Kargiotis, E., Mitropoulos, A.:** Geological and Geophysical data of “Epsilon” field in Prinos oil basin.

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52. **Bizoura, A., Lykoudi, E., Spyridonos, E., Manoutsoglou, E.:** Assessment of the vulnerability degree of different lithological formations in the catchment area of Agia Eirini Gorge, Western Crete.
53. **Kalantzi, F., Doutsou, I., Koukouvelas, I.:** Historical landslides in the Prefecture of Ioannina – collection and analysis of data.