

## Symposium Program

### **6 June 2014**

17:00-19:00 Registration

19:00-19:15 Symposium opening/Welcoming Address

*Session: History-Folklore-Archaeology-Geology*

Chair: T. Druitt, E. Grapsa, P. Nomikou, E. Verikiou-Papaspyridakou

19:15-19:30 Grapsa E.

Title: "SANTORINI: THE ISLAND OF INSPIRATION".

19:30-20:00 Lygnos E.

Title: "MODERN HISTORY AND TRADITION OF SANTORINI".

20:00-20:15 Zorzos E.

Title: "STEPPING BACK FROM THE CALDERA: RECONSTRUCTING BRONZE AGE LANDSCAPE AND ENVIRONMENT ON PREHISTORIC THERA"

20:15-20:45 Papanikolaou D.

Title: "GEODYNAMIC SECTION OF THE AEGEAN VOLCANIC ARC AND PALINSPASTIC CONFIGURATIONS".

21:00-22:30 Ice Breaker

### **7 June 2014**

09:30-11:00 *Session: Geotourism- Volcanoes-Technological Hazards*

Chair: E. Grapsa, E., Verikiou-Papaspyridakou

09:30-09:45 Tobias S.

Title: "GEOLOGICAL TOURISM IN GREECE AND ITS OPPORTUNITIES FOR LOCAL DEVELOPMENT".

09:45-10:00 Nasiou PM., Kalli Th.

Title: "A RECENT APPROACH TOWARDS CULTURAL ROUTES AND GEOTOURISM: GEO-CULTURAL ROUTES IN LESVOS ISLAND, THE NEW TREND (NORTH EASTERN AEGEAN SEA, GREECE)".

10:00-10:15 Salomidi M., Giakoumi S., Gerakaris V., Issaris Y., Sini M., Tsiamis K.

Title: "BASELINE ECOLOGICAL ASSESSMENT OF TWO CANDIDATE MARINE PROTECTED AREAS IN SANTORINI ISLAND, GREECE".

10:15-10:30 Mamaloukas S.

Title: "SEISMIC ACTIVITY RELATED TO LEAKAGES FROM SUNKEN VESSELS. DOES THE SEA DIAMOND REPRESENT A POTENTIAL THREAT FOR THE CALDERA?".

10:30-10:45 Mavrakos S.

Title: "MAJOR ACCIDENTS AND THE NEW EU SAFETY DIRECTIVE FOR OFFSHORE OIL & GAS EXPLOITATION ACTIVITIES".

10: 45 - 11:00 Kalisperi D., Romano G., Smirnov M., Nomikou P., Kouli M., Perrone A., Makris JP., and Vallianatos F.

Title: "NISYROS CALDERA: TOWARDS A DETAILED GEOELECTROMAGNETIC STUDY".

11:00-11:30 Coffee Break

*11:00-14:00 Session: Geology-Seismology-Geodesy-Natural Hazards*

Chair: Papanikolaou D., Paradeisis D., Papadopoulos G.

11:30-12:00 Druitt T. (Invited Talk)

Title: "SANTORINI VOLCANO AND ITS MAGMA PLUMBING SYSTEM".

12:00-12:15 McCoy F.

Title "RECONSTRUCTING PRE-ERUPTION MINOAN THERA".

12:15-12:30 Tappin D.

Title: "WAS THERE A DEVASTATING TSUNAMI FROM THE LATE BRONZE AGE ERUPTION OF SANTORINI?".

12:30-12:45 Paraskevas M., Paradeisis D., Kolovos I., Nomikou P., Papanikolaou D., Raptakis C.

Title: "TECTONIC STRUCTURE OF SANTORINI VOLCANIC FIELD BASED ON TERRESTRIAL GRAVITY MEASUREMENTS (1976-2012)".

12:45-13:00 Papoutsis I., Solomos S., Kontoes C., Amiridis V., Ganas A., Karastathis V., Balasis G.

Title: "MONITORING SANTORINI VOLCANO FROM SPACE IN THE FRAMEWORK OF BEYOND CENTER OF EXCELLENCE".

13:00-13:15 Chatzipetros A., Makri K., Kostopoulos D., Pavlides S.

Title: "URBAN GEOLOGY AS A LINK BETWEEN GEOLOGY AND HISTORY".

13:15-13:30 Triantafyllou I., Papadopoulos GA

Title: "HISTORICAL EARTHQUAKES IN THE VOLCANO OF THERA".

13:30-13:45 Křížová D., Zahradník J., Kiratzi, A

Title: "SOURCE CHARACTERISTICS OF EARTHQUAKES IN VOLCANIC REGIONS".

13:45-14:00 Discussion

14:00-14:30 Coffee Break

*14:30-16:00 Session Oceanography*

Chair Watts AB.

14:30-14:45 Nomikou P.

Title: "CONTRIBUTION OF THE GEOMORPHOLOGICAL ANALYSIS OF THE SEAFLOOR TOPOGRAPHY SURROUNDING THE AEGEAN VOLCANIC ARC TO THE UNDERSTANDING OF TECTONIC AND GEOMORPHIC PROCESSES".

14:45-15:00 Huebscher C., Ruhnau M., Nomikou P.

Title: "POLYGENETIC EVOLUTION OF KOLUMBO SUBMARINE VOLCANO/AEGEAN SEA".

15:00-15:15 Kilias S.P., Nomikou P., Papanikolaou D., Polymenakou P.N., Godelitsas A., Argyraki A., Carey S., Gamaletsos P., Mertzimekis T.J., Stathopoulou E., Goettlicher J., Steininger R., Betzelou K., Livanos I., Christakis C., Croff Bell K., Scoullou M.

Title: "UNIQUE NEXUS BETWEEN GEODYNAMIC AND BIOCHEMICAL PROCESSES AT SHALLOW HYDROTHERMAL VENTS, KOLUMBO SUBMARINE ARC-VOLCANO (SANTORINI)".

15:15-15:30 Watts A.B., Nomikou P., Moore J., Parks M.M., Alexandri M.

Title: "HISTORICAL BATHYMETRIC CHARTS AND THE EVOLUTION OF SANTORINI SUBMARINE VOLCANO, GREECE".

15:30-15:45 Discussion

15:45-16:00 Poster Session:

- Stefanidou M., Papayianni I., Papadopoulou L., Palyvou C., Olga M., Mariana N.  
Title: "BUILDING MATERIALS IN RUPESTRIAN HABITATION AT THIRASIA, AN EXAMPLE OF ADJUSTMENT TO THE LOCAL ENVIRONMENT".
- Poulos S.E., Velegrakis A., Drakopoulos P., Petala D., Karydis A., Skianis G., Vasilakis E., Iordanis K., Andreadis O., Oikonomou E., Ghionis G., Pachoula M.  
Title: "SYNERGY FOR THE SUSTAINABLE DEVELOPMENT AND SAFETY OF THE HELLENIC TOURIST BEACHES:PROJECT'S SCOPE AND PRESENTATION".
- Alexandrakis A., Petrakis S., Vousdoukas M., Ghionis G., Kampanis N.  
Title: "ASSESSING COASTAL VULNERABILITY USING ENVIRONMENTAL AND SOCIO-ECONOMIC INDICATORS IN COASTAL AREAS WITH HIGH CULTURAL VALUE".
- Tsoutsia A., Karditsa A., Roussakis G., Kapsimalis V., Hasiotis Th., Panagiotopoulos I., Poulos S.E., Stamatakis M.  
Title: "SUBMARINE AREAS WITH POTENTIAL MARINE AGGREGATE DEPOSITS IN GREECE".
- Sanauallah M., Malik MA., Ahmad SR.  
Title: "IMPACT OF LAND USE INTENSITY ON WATER QUALITY: A CASE STUDY IN FIVE DISTRICTS OF KPK, PAKISTAN".
- Christopoulou M.E., Mertzimekis T.J., Nomikou P., Papanikolaou D., Carey S.  
Title: "INVESTIGATING THE ACTIVE HYDROTHERMAL FIELD OF KOLUMBO VOLCANO USING CTD PROFILING".
- Kolovos I., Paradeisis D., Paraskevas M., Nomikou P., Papanikolaou D., Raptakis C.  
Title: "TECTONIC STRUCTURE OF SANTORINI VOLCANIC FIELD DERIVED FROM TERRESTRIAL ANGLE MEASUREMENTS OF THE NATIONAL GEODETIC NETWORK (1955-2011)".
- Lekkas E.

Title: "LANDSLIDE RISK ANALYSIS OF AND DISASTER MANAGEMENT OF SANTORINI CALDERA".

- Athanassas C.D., Bourlès D.L., Braucher R., Druitt T.H., Nomikou P., Léanni L.

Title: "RESOLVING THE PALEOGEOGRAPHY OF THE PRE-MINOAN CALDERA OF SANTORINI ON THE BASIS OF COSMIC RAY EXPOSURE CHRONOLOGY".

- Nasiou P.M., Kalli Th.

Title: "MARKETING FOR CULTURAL ROUTES AND THE GEO-CULTURAL ROUTES IN LESVOS ISLAND, GREECE".

- Drymoni K., Magganas A., Pomonis P.

Title: "The 20th Century Eruptions of Santorini Volcano: First Implications on Petrological and Geochemical Evolution of Their Magmatic Products".

- Nomikou P., Parks M.M., Papanikolaou D., Pyle D.M., Mather T.A., Carey S., Watts A.B., Paulatto M., Kalnins M. L., Livanos I., Bejelou K., Simou E., Perros I.

The growth and emergence of a submarine volcano: the Kameni islands, Santorini (Greece).

16:00 - 19:30 Geological Boat Tour to Santorini Caldera

Guides: Prof. Tim Druitt, Prof. Dimitris Papanikolaou

21:30 – 00:00 Greek night (Boutary Winery)

## **8 June 2014**

09:30-11:00 *Session: Archaeology-History*

Chair: Tziligkaki E., Perros I.

09:30-09:45 Tziligkaki E.

Title: "A QUARRY MARK FROM ANCIENT THERA".

09:45-10:00 Panagiotakopulu E., Sarpaki A., Higham T., Buckland P., Doumas C.

Title: "SUDDENLY THAT SUMMER-PALAEOECOLOGICAL RESULTS FROM THE AKROTIRI EXCAVATIONS".

10:00-10:15 Perros I., Papaspiridakou P., Papaspiridakou-Verikiou E.

Title: "ASPECTS OF THE HISTORY OF SANTORINI-20th CENTURY".

10:15-10:30 Velitzelos D., Denk T., Velitzelos E.D.

Title: "THE FOSSIL FLORA OF SANTORINI ISLAND".

10:30-11:00 Discussion-Closing of the Symposium

11:00-12:00 Guided Tour of the Museum of Prehistoric Thira

12:30-14:30 Guided Tour of Akrotiri Excavations