



# IESCA - 2012

1 - 5 OCTOBER 2012

Izmir - TURKEY



## LAST CALL FOR PAPERS

It is a great honour for us to welcome you to the "International Earth Sciences Colloquium on the Aegean Region, IESCA-2012" which will be held at Dokuz Eylül University in İzmir, Turkey, 1–5 October 2012. The Aegean region plays an important role in our understanding of geological problems of the eastern Mediterranean region and preserves important records of geological processes which have operated in a zone of convergence. Many examples of metamorphic, magmatic and sedimentary processes and related economic mineral deposits and energy resources of the region have already been extensively studied by earth scientists from around the world. This geological wealth is a consequence of a regional tectonic setting in which several continental blocks were amalgamated via Tethyan subduction events, giving rise to the present configuration of the region. The colloquium will be organized broadly along the lines of several regional geological topics, including tectonics, metamorphism, magmatism, sedimentation, GIS and remote sensing, geophysical research, mining and mineral deposits, energy resources and engineering geology. We believe that new advances in our knowledge of the geology of the Aegean region will be discussed extensively and that the colloquium will encourage the collaboration of scientists from different countries in the international scientific endeavour.

*Prof. Dr. Cahit HELVACI*

*On behalf of the Organizing Committee of IESCA-2012*

## IMPORTANT DATES

**Abstract Submission Deadline : June 15, 2012**

**Early Registration Deadline : June 15, 2012**

### SCIENTIFIC

- Melt Evolution of Ophiolitic Magmas: Crustal and Upper Mantle Perspectives
- Role of Ophiolites and Related Units in Tethyan Orogenic Assembly
- Post-Collisional Cenozoic Extensional Tectonics in the Aegean Region
- Electromagnetic Tomography in Subsurface Investigations
- Tectonic Discrimination of the Aegean Region
- Tectonic assembly of the Tethyan orogen in the Eastern Mediterranean region
- Palaeomagnetism of the Aegean and Anatolian Regions
- Tertiary geodynamic development of the Aegean Region: magmatic perspective
- Active Tectonics & Paleoseismology & Archaeoseismology
- Seismotectonics of the Aegean Sea Region

### SESSIONS

- Non-metallic and metallic deposits of the Aegean and Eastern Mediterranean Region
- Water Resources and Environment
- Naturally occurring radioactivity in water resources
- Geothermal Systems & Energy Resources of the Aegean Regions,
- Energy production and the effect on the environment
- Marine Geology & Geophysics
- Recent Tectonics of the Aegean - Eastern Mediterranean Seas
- New Trends and Applications in Geo-Engineering
- Usage of Construction Materials, Present and Ancient Time
- Radar Interferometry and Land Subsidence Hazards
- Engineering Seismology

## OPENING LECTURE & KEYNOTE TALKS

### OUTLINES OF WESTERN ANATOLIAN GEOLOGY

*Yücel Yılmaz*

Istanbul Technical University Department of Geology - Kadir Has University

### ACTIVE TECTONICS OF THE AEGEAN:

Earthquake Source Parameters and Numerical Simulation of Historical Tsunamis in the Eastern Mediterranean

*Tuncay Taymaz*

Istanbul Technical University, the Faculty of Mines, Department of Geophysical Engineering, Maslak TR-34469, Turkey

### HEAVY MINERALS AND PLACER DEPOSITS – AN OVERVIEW

*Harald G. Dill*

Federal Institute for Geosciences and Natural Resources, Hannover, Germany

### LITHOSPHERIC MAPPING, METALLOGENESIS AND THE EVOLUTION OF CONTINENTS

*W.L. Griffin*

CCFS/GEMOC, Dept of Earth Sciences, Macquarie Univ., NSW 2109, Australia

### DEPARTURES FROM THE STANDARD MODEL OF PORPHYRY ORE DEPOSITS

*Eric S. Cheney*

Department of Earth and Space Science, University of Washington Seattle, United States

### IMPACT OF SUBAERIAL VOLCANISM ON THE CARBON CYCLE

*Martin Palmer*

National Oceanography Centre, Southampton University of Southampton and Natural Environment Research Council, United Kingdom

### THE CENTRAL-WESTERN MEDITERRANEAN: ANOMALOUS IGNEOUS ACTIVITY IN AN ANOMALOUS COLLISIONAL TECTONIC SETTING

*Michele Lustrino*

Dipartimento di Scienze della Terra Università degli Studi di Roma La Sapienza P.le A. Moro, 5 00185 Roma, Italy

### MANTLE PROCESSES TOLD BY OPHIOLITIC CHROMITITES

*Shoji Arai*

Department of Earth Sciences, Kanazawa University, Kanazawa, Japan

## ORGANIZED BY

DOKUZ EYLÜL UNIVERSITY, İZMİR - TURKEY

Faculty of Engineering - Department of Geological Engineering - Department of Geophysical Engineering - Institute of Marine Sciences and Technology

## CONFERENCE CONTACT

A. Bahadır YA VUZ

Phone : +90 232 301 73 65 / Fax : +90 232 453 11 29 / E-mail : [bahadir.ya.vuz@deu.edu.tr](mailto:bahadir.ya.vuz@deu.edu.tr)

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