

Romanian Society of Applied Geophysics

SGAR

Societatea de Geofizica Aplicata din Romania

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Simpozion stiintific

GEOSCIENCE 2017

organizat de

**Societatea de Geofizica Aplicata
din Romania**

in colaborare cu

Facultatea de Geologie si Geofizica

Societatea Geologica a Romaniei

Asociatia Romana de Geologie Inginereasca

Asociatia Hidrogeologilor din Romania

Program

Friday, November 24, 2017 - Room I / 4, first floor
6 Traian Vuia Street,
Bucharest

OPENING SESSION

10:00

Prof. Dumitru Ioane, President, Romanian Society of Applied Geophysics

Prof. Lucian Petrescu, Vice-Dean, Faculty of Geology and Geophysics

Dr. Antoneta Seghedi, President, Geological Society of Romania

Assoc.Prof. Mihaela Stanciucu, President, Romanian Association of
Engineering Geology

Prof. Daniel Scradeanu, President, Association of Romanian Hydrogeologists

11:00

INVITED SPEAKERS

Prof. Cristian Marunteanu: ANCIENT TEMPLE ENGINEERING
IN GOBEKLI TEPE

Eng. Radu Cosma: MISSING EUROPE, WHILE BEING IN THE HIMALAYAS
AND THE ANDES

12:00

Regional Geology & Tectonics

Conveners: Dr. Antoneta Seghedi, Dr. Ioan Seghedi

- 12:00 – 12:15 Antoneta Seghedi, Vasile Neaga
THE CONCEALED PERMIAN RIFT IN THE PRE-DOBROGEA DEPRESSION (SCYTHIAN PLATFORM)
- 12:15 – 12:30 Ioan Seghedi, Iuliu Boboş
GEOCHEMISTRY OF THE MUD VOLCANOES OF BUZĂU AREA – DISTINGUISHING SOURCE LITHOLOGY
- 12:30 – 12:45 Mircea Ticleanu, Radu Nicolescu, Octavian Colţoi, Flori Culescu, Victor Aioanei
CURVED FAULTS AND CIRCULAR OR ELLIPSOIDAL TECTONIC STRUCTURES IN THE CARPATHIANS AREA
- 12:45 – 13:00 Silviu Rădan, Sorin-Corneliu Rădan
DISTRIBUTION PATTERNS OF SURFICIAL SEDIMENTS IN THE NORTHWESTERN BLACK SEA AS REFLECTED BY LITHOLOGICAL CHARACTERISTICS, CLAY MINERALOGY AND MAGNETIC PROPERTIES
- 13:00 – 13:15 Lidia Nuţu-Dragomir, Florina Chitea, Rasvan Stochici, Constantin Diacopolos -
A NEW APPROACH CONCERNING ACTIVE FAULTS IN SUBCARPATHIAN NAPPE (EAST CARPATHIANS)
- 13:15 – 13:30 Valentin Paraschiv
MIOCENE PALAEOFLORES OF OLTENIA, SOUTH ROMANIA

13:30

Engineering Geology, Hydrogeology & Geophysics

Conveners: Prof. Cristian Marunteanu, Lect. Florina Chitea

- 13:30 – 13:45 Daniel Scradeanu, Marian Palcu, Giuliano Tevi, Virgil Iordache
STRESS-INDUCED OVER NATURA 2000 SITES IN ROMANIA, BASED ON THE LAND USE AND THE STATE OF GROUNDWATER AND TERRESTRIAL ECOSYSTEMS
- 13:45 – 14:00 Emilia Milutinovici
CHARACTERISTIC VALUES FOR EXPANSIVE SOILS
- 14:00 – 14:15 Tiganescu Alexandru, Mihai Andrei, Constantinescu Eduard-Gabriel, Diaconescu Mihail
SEISMICITY AND SLOPE STABILITY EVALUATION OF ALUNU AREA, VALCEA

14:15 – 14:30 Constantin Diacopolos, Rasvan Stochici, Madalina Visan, Raluca Dinescu, Violeta Berçar, Dumitru Ioane
GEOPHYSICAL DETECTION OF BURIED FOUNDATIONS IN URBAN AREAS

14:30 – 14:45 Dumitru Ioane, Florina Chitea, Constantin Diacopolos, Rasvan Stochici
ERT AND VES GEOPHYSICAL STUDY OF QUATERNARY FORMATIONS AND LOCAL TECTONICS IN LARGE CITIES. STUDY CASE: BUCHAREST, ROMANIA

14:45 – 15:00 Florina Chitea, Dumitru Ioane, Adrian Diaconu
ERT STUDIES FOR ROAD DESIGN AND ROAD INSPECTION

15:00

Environmental Geology & Geophysics

Conveners: Dr. Dumitru Stanica, Dr. Radu George Dimitriu

15:00 – 15:15 Dragos Armand Stanica, Dumitru Stanica
ANOMALOUS GEOMAGNETIC VARIATION RELATED TO THE M_w8.1 CHIAPAS EARTHQUAKE (MEXICO), ON SEPTEMBER 8-th 2017

15:15 – 15:30 Dumitru Ioane, Irina Stanciu, Raluca Dinescu
SEISMICITY VS. PRECIPITATION REGIME AND CLIMATE CHANGES

15:30 – 15:45 Radu Cosma
DECONTAMINATION OF HYDROCARBON POLLUTED SITES. CASE PROJECTS

15:45 – 16:00 Stefan Draguț, Dumitru Ioane
PROS AND CONS IN SHALE GAS EXPLOITATION TECHNIQUES

16:00 – 16:15 Dimitriu, R.G., Stanciu, I.M., Barbu, M.-B., Briceag, A., Secieru, D., Opreanu, G., Stănescu. I., Pojar, I., Nuțu, G.
PALEO-AMBIENTAL INSIGHTS ON THE LATE ROMAN SETTLEMENT HALMYRIS, AS RESULTED FROM INTERDISCIPLINARY RESEARCH

16:15 – 16:30 Antoneta Seghedi
GEOSITES OF NORTH DOBROGEA – PROPOSAL OF INTERPRETATIVE TRAILS FOR OUTREACH AND EDUCATIONAL ACTIVITIES

16:30 – 16:45 Dimitriu, R.G., Nutu, G., Păffgen, B.I., Popa, A., Barbu, M.-B., Pflederer, T., Fiederling, M.
SEARCH OF NEARSHORE NORTHERN ROMANIAN LITTORAL FOR “GURA PORTITA - A” ANCIENT SHIP WRECK AND SURROUNDINGS – A COMPLEX HIGH RESOLUTION MARINE GEOPHYSICAL SURVEY

16:45 – 17:00 Raluca Partheniu, Petruta Angela Constantin, Iren Adelina Moldovan,
Dumitru Ioane, Bogdan Grecu
**COMPARISON BETWEEN TSUNAMI MODELING AND MEASUREMENTS
FOR THE MEXICO M 8.1 EARTHQUAKE ON 8TH OF SEPTEMBER 2017**

17:00

Regional Geophysics, Seismology and Geodynamics

Conveners: Dr. Crisan Demetrescu, Assoc.Prof. Bogdan Enescu

17:00 – 17:15 Morosanu I., Dudu A.C., Diaconu A., Avram C.
**GEODYNAMICS OF THE INDEPENDENTA - IZVOARELE EARTHQUAKES
ZONE – GALATI COUNTY**

17:15 – 17:30 Lucica Niculae, Horia Mitrofan, Nicoleta Cadicheanu, Mădălina Vișan, Mirela-
Adriana Anghelache, Florina Chitea
**PROPAGATION RATE OF THE VRANCEA SLAB LATERAL
DETACHMENT: ESTIMATES DERIVED FROM THE POST-PLIOCENE
EVOLUTION OF THE SOUTH-EAST CARPATHIANS' TOPOGRAPHY**

17:30 – 17:45 Irina Stanciu, Dumitru Ioane
**EVALUATION OF THE MOESIAN PLATFORM SEISMICITY IN ROMANIA
AND BULGARIA – IMPLICATIONS ON THE NEOTECTONIC REGIME**

17:45 – 18:00 Valentin Constantin Furnica
**SOME PRECURSORY FEATURES OF GEOMAGNETIC STORM SUDDEN
COMMENCEMENT (SSC) FOR STRONG EARTHQUAKES**

18:00 – 18:15 Raluca Dinescu, Andreea Chircea, Mihaela Popa
EARTHQUAKES OR QUARRY BLASTS IN DOBROGEA?

18:15 – 18:30 Dragos TATARU, Bogdan GRECU, Natalia POIATA, Bogdan ZAHARIA
**ADVANCED SEISMIC MONITORING IN AREAS WITH COMPLEX
SEISMICITY**

18:30 – 18:45 Marius Bogdan Barbu, Irina Stanciu, Radu George Dimitriu
**GNSS STATIONS WORK IN PROGRESS: RESULTS FROM GEOPONTICA
PERMANENT GNSS STATIONS NETWORK DATA PROCESSING WITH
SUPPORTING ROMPOS PERMANENT GNSS STATIONS**

18:45 – 19:00 Bogdan Enescu
**SEISMICITY PATTERN BEFORE LARGE EARTHQUAKES, WITH
EXAMPLES FROM JAPAN – OCCURENCE CHARACTERISTICS AND
RELATION WITH SLOW-SLIP PHENOMENA**