

Romanian Society of Applied Geophysics

**SGAR**

Societatea de Geofizica Aplicata din Romania

25 noiembrie 2016

Simpozion stiintific

**GEOSCIENCE 2016**

organizat de

**Societatea de Geofizica Aplicata  
din Romania**

in colaborare cu

**Departamentul de Geofizica**

**Departamentul de Inginerie Geologica**

**Asociatia Romana de Geologie Inginereasca**

# Program

Friday, November 25, 2016 - Room II / 4, second floor  
6 Traian Vuia Street, Bucharest

## OPENING SESSION

11:00

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

**Assoc.Prof. Bogdan Mihai Niculescu**, Director, Department of Geophysics

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

## INVITED SPEAKERS

### Applied Geophysics

11:30 – 11:45 G. Andrei, B.M. Niculescu - *PRINCIPAL COMPONENT ANALYSIS  
AS A TOOL FOR ENHANCED WELL LOG INTERPRETATION*

### Regional Geophysics

11:45 – 12:00 I. Panea, V. Mocanu - *VELOCITY DISTRIBUTIONS IN THE UPPER  
CRUST OF THE EASTERN PANNONIAN BASIN*

### Engineering Geology

12:00 – 12:15 E. Milutinovici – *BASIC CORRELATIONS BETWEEN  
GEOTECHNICAL PARAMETERS*

### Near Surface Geophysics

12:15 – 12:30 D. Ioane, F. Chitea, C. Diacopolos, R. Stochici - *ACTIVE FAULTS  
DETECTED IN URBAN AREAS USING VES AND ERT GEOPHYSICAL  
TECHNIQUES. STUDY CASE: BUCHAREST, ROMANIA*

## **Regional Geophysics & Geodynamics**

**Conveners:** Prof. Dumitru Ioane, Dr. Radu George Dimitriu

12:30 – 12:45 V. Furnica – *ELECTRODE EFFECT OF THE GLOBAL TECTONIC ACTIVITY IN THE CONDITIONS GENERATED BY THE SOLAR AND LUNAR ECLIPSES, IN A SUNSPOT CYCLE*

12:45 – 13:00 M. Diaconescu, E. Oros, A. Craiu – *SEISMICITY OF SOUTHERN APUSENI MOUNTAINS*

13:00 – 13:15 I. Stanciu, D. Ioane - *ACTIVE FAULT SYSTEMS IN THE SHABLA REGION (BULGARIA) AS INTERPRETED ON GRAVITY, MAGNETOMETRIC AND SEISMICITY DATA*

13:15 – 13:30 A. Isac, V. Dobrica, R. Greculeasa, L. Iancu – *GEOMAGNETIC MEASUREMENTS AND MAPS FOR NATIONAL AERONAUTICAL SAFETY*

13:30 – 13:45 E.F. Manea, C. Michel, V. Poggi, D. Fah, C.O. Cioflan – *BUCHAREST GEOPHYSICAL MODEL DERIVED FROM COMPLEX INTERPRETATION OF S-WAVES PROPAGATION*

13:45 – 14:00 R. Partheniu, A. Craiu, M. Diaconescu - *COMPLEX GEOPHYSICAL STUDIES CONCERNING THE PROBABILITY OF TSUNAMI GENERATION TRIGGERED BY THE ISTANBUL SEISMIC SOURCE*

14:00 – 14:30

**COFFEE BREAK**

Posters on display

## **Near Surface Geophysics, Geotechnics & Hydrogeology**

**Conveners:** Assoc.Prof. Mihaela Stanciucu, Lect. Florina (Chitea) Tuluca

14:30 – 14:45 R.G. Dimitriu, I. Shtirkov, M.B. Barbu - ***HIGH RESOLUTION MARINE MAGNETIC SURVEY OFF BURGAS HARBOR, AIMING TO IDENTIFY UXO TARGETS ON THE SEABED***

14:45 – 15:00 F. Chitea, D. Ioane - ***GEOPHYSICAL ERT AND EM INVESTIGATIONS OF OVERLAPPING SALINE AND OIL POLLUTION IN SOIL AND GROUNDWATER***

15:00 – 15:15 M. Stanciucu - ***WATER MANAGEMENT DEFICIENCY, TRIGGER OF LANDSLIDES. CASE STUDY BREAZA, ROMANIA***

15:15 – 15:30 M. Marinescu, P. Cristea, C. Marunteanu, M. Mezincescu, M. Maftciu - ***MASW SEISMIC METHOD APPLIED IN BREBU LANDSLIDE AREA***

15:30 – 15:45 C. Ungureanu, C.M. Ilescu, S.D. Gaitanaru, A. Chirica - ***INTEGRATED HYDROGEOLOGICAL - GEOPHYSICAL INVESTIGATIONS TO DETERMINE THE CHARACTERISTICS OF A SHALLOW AQUIFER IN TRANSYLVANIA DEPRESSION***

15:45 – 16:00 S. Anghel, M. Paraschivoiu - ***ARCHAEO - GEOPHYSICAL INVESTIGATIONS IN THE TROESMIS SITE***

16:00 – 16:15 F. Timofte, P. Urdea, A. Onaca, A. Hegyi – ***APPLYING GEOPHYSICAL METHODS FOR MAPPING THE INTERNAL STRUCTURE OF PALEOMEANDERS AND EVALUATING THE SAFETY OF EARTH EMBANKMENT ALONG THE LOWLAND SECTION OF MURES RIVER***

16:15 – 16:30 C. Diacopolos, R. Stochici - ***VERTICAL ELECTRICAL SOUNDING (VES) IN AREAS WITH MUD VOLCANOES. CASE STUDY: MUDDY VOLCANOES OF PACLELE MARI, ROMANIA***

## **Applied Geophysics & Data Processing**

**Conveners:** Assoc.Prof. Bogdan Mihai Niculescu, Assoc.Prof. Ionelia Panea

16:30 – 16:45 G.F. Garbacea, I. Maris - ***FACTORS THAT INFLUENCE SPATIAL VARIABILITY OF SOIL MAGNETIC SUSCEPTIBILITY ACROSS ROMANIA***

16:45 – 17:00 I. Militaru, I. Panea, V. Mocanu - ***ANALYSIS OF SEISMIC REFLECTION DATA WITH LOW SIGNAL-TO-NOISE RATIO***

17:00 – 17:15 I. Zgorcea, I. Panea - ***EFFECT OF LINEAR AND NON-LINEAR GEOPHONE ARRAYS ON SIGNAL-TO-NOISE RATIO OF SEISMIC REFLECTION DATA***

17:15 – 17:30 E. Alecu, D. Ioane - ***GRAVITY AND MAGNETIC DATA PROCESSING IN THE MOESIAN PLATFORM***

17:30 – 17:45 R. Stochici, C. Diacopolos, M. Popescu - ***MAGNETOTELLURIC SOUNDINGS IN THE MUDDY VOLCANOES AREA, EAST CARPATHIANS, ROMANIA***

17:45 – 18:00 **Symposium closure**

### **POSTERS**

R. Dinescu - ***ACTIVE FAULTS SYSTEMS RELATED TO EARTHQUAKES IN THE CARPATHO-BALKAN AREA***

A, Anghel, E. Manea, A.P. Constantin, L. Manea, R. Partheniu, I-A. Moldovan - ***NEAR REAL TIME ESTIMATION OF THE MACROSEISMIC INTENSITY IN CASE OF 5.3 MW VRANCEA INTERMEDIATE DEPTH EARTHQUAKE***