



EUROPEAN SOCIETY FOR ISOTOPE RESEARCH

The XIVth Workshop of the European Society for Isotope Research - ESIR 2017 -



25-29 June

2017

Palace Hotel, **Băile Govora, ROMANIA**



WELCOME!

The members of the European Society for Isotope Research (ESIR) are honored to announce the XIVth Workshop of the European Society for Isotope Research that will be hosted by the National Research and Development Institute for Cryogenics and Isotopic Technologies – ICSI Rm. Valcea, at Băile Govora (Romania) on 25-29 June, 2017.

ESIR - European Society for Isotope Research - is the association of scientists engaged in isotope research, focused primarily on Central and Eastern Europe, but is open to all interested parties from around the world. Isotopic studies of interest to ESIR include various aspects and applications of natural distribution of stable and radioactive isotopes, such as isotopes in geochemical processes, geosciences, oceanography and meteorology, applications of isotopes in industry, mining, forensics, and various other areas, as well as the development of methods and measurement techniques.

The XIVth Edition of Isotope Workshop – ESIR 2017 will be a chance to highlight your results, to meet, talk, explore and learn more about different aspects of isotope research and application.

We look forward to welcoming you to Băile Govora, Romania!

**More information will be soon available at
<http://www.icsi.ro/esir2017>**

SCIENTIFIC TOPICS

The workshop welcomes contributions on a wide range of topics related with the study of isotopes (radioisotopes, stable isotopes and non-traditional stable isotopes), including in:

- Hydrology and Geochemistry,
- Geology, Earth Science and Paleoclimatology,
- Environmental Science, Ecology and Speleology,
- Biochemistry,
- Hydrocarbons, Petroleum Systems, Energy Industry,
- General Interest Applications: Food Science, Forensic, Material Science, Medicine, Archeology
- Methodological and Instrumental Developments.

Talks of invited speakers, presenting state-of-the-art in selected areas of isotope research, are envisaged. Also, isotope equipments manufacturers will have the opportunity to present their latest developments.

A special session will be dedicated to "Isotopes in precipitation across Europe"

SCIENTIFIC INFORMATION

We encourage the submission of oral and poster contributions in the specified scientific areas. The organizing committee, in consultation with the ESIR Advisory Board, will invite plenary talks and select contributions for the scientific sessions.

The abstract submission will be open through the Workshop website from **October 01, 2016** till **March 25, 2017**.

Important deadlines:

- Registration and Abstract submission: Open since October 01, 2016
- Abstract submission deadline: March 25, 2017
- Notification of accepted abstracts: March 31, 2017
- Early bird registration deadline: April 10, 2017
- ESIR Workshop: June 25-29, 2017

CERTIFICATE OF ATTENDANCE

Regularly registered participants will receive a certificate of attendance.

COMMITTEES

Local Organising Committee:

Chair: Roxana Elena Ionete - ICSI Rm. Vâlcea

Co-chairs: Vasile Stanciu - ICSI Rm. Vâlcea

Aurel Perşoiu - Ştefan cel Mare University, Suceava

Forray Ferenc Lázár - Babeş-Bolyai University, Cluj-Napoca

Members: Ioan Ştefănescu - ICSI Rm. Vâlcea

Gheorghe Ioniţă - ICSI Rm. Vâlcea

Carmen Varlam - ICSI Rm. Vâlcea

Diana Costinel - ICSI Rm. Vâlcea

Oana Romina Botoran - ICSI Rm. Vâlcea

Raluca Popescu - ICSI Rm. Vâlcea

Nicolae Şofilcă - ICSI Rm. Vâlcea

ESIR Advisory Board

Roxana Elena Ionete – ESIR President (Romania)

Albrecht Leis – ESIR Vice President (Austria)

Stanisław Hałas - ESIR Vice President (Poland)

Diana Costinel – ESIR Secretary (Romania)

Nada Horvatinčić (Croatia)

Marion Tichomirowa (Germany)

Istvan Fórizs (Hungary)

Adriana Trojanowska-Olichwer (Poland)

Bogdan Onac (USA)

Ana-Voica Bojar (Austria)

Mariusz-Orion Jędrysek (Poland)

Sonja Lojen (Slovenia)



CONFERENCE PUBLICATIONS

The authors have the possibility to publish the full paper of their presentations (oral and poster), following the regular reviewing procedure, in one of the journals:

- **Isotopes in Environmental and Health Studies** (ISSN: 1025-6016 (Print), 1477-2639 (Online)), a journal that provides a unique platform for stable isotope studies in geological and life sciences, with emphasis on ecology.
- **Progress of Cryogenics and Isotope Separation** (ISSN: 1582-2575), journal that publish significant research results in topics covering the areas of *Stable Isotopes and Cryogenic Technologies; Nuclear Energy – Fission and Fusion; Energetic Technologies of Hydrogen; Science and Materials Engineering; Environmental, Life Quality and Food Safety.*

COMPETITIONS

Participation of young scientists is highly encouraged. **Best Presentation Award** and **Best Poster Award** will be granted to young researchs (e.g. students, MSc., PhD), age under 35, that are first authors and personally present an oral presentation or poster at the workshop. Authors may express their interest in participating in the Best Presentation & Poster Award contest when submitting their abstract. The award will be given at the end of the workshop to the students with the most outstanding presentation and poster.



WORKSHOP VENUE

Băile Govora is a spa resort in the South-Central area of Romania (Vâlcea County), situated 20 km South-West of the Râmnicu Vâlcea city. It is located at west of the Olt River, in the Sub-Carpathian zone, at an altitude of 360–380 meters, in a region of hills covered by forests of beech, oak, spruce, pine and acacia. The resort is known for its springs rich in chloride, sodium, iodine, bromine, sulfur (for external treatments) and in magnesium, calcium, a small quantity of sulfur (for internal treatments) used since 1866 for different diseases.

The meeting will be held at the **Palace Hotel**, a jewel of the early 20th century architecture, located within the Central Park of Băile Govora spa.



REGISTRATION AND ACCOMMODATION

Registration fees:

Conference items	Fee (Euro)	Services covered by the fee
Early Registration		<ul style="list-style-type: none"> • Access to sessions • Conference materials (conference program, book of abstracts, presentation materials of the location and main tourist attractions, etc.) • Welcome Cocktail; • Gala Dinner; • Coffee breaks and lunches during the workshop • Organized trip; • Technical visit to the tritium and stable isotopes laboratories of ICSI Rm. Valcea.
Regular	230 €	
ESIR-member	200 €	
Student	170 €	
After April 10, 2017		
Regular	275 €	<ul style="list-style-type: none"> • Welcome Cocktail; • Gala Dinner; • Coffee breaks and lunch during the workshop • Organized trip; • Technical visit to the tritium and stable isotopes laboratories of ICSI Rm. Valcea.
ESIR-member	240 €	
Student	200 €	
Accompanying Person	85 €	<ul style="list-style-type: none"> • Welcome Cocktail; • Gala Dinner; • Coffee breaks and lunch during the workshop • Organized trip; • Technical visit to the tritium and stable isotopes laboratories of ICSI Rm. Valcea.



Accommodation

Palace Hotel****, Str. Parcului No. 1, code 245200
<http://bailegovora.ro/hotelPalace>

The organizing committee will be responsible for booking the rooms according with the participants' preferences specified in the registration form.

TOURISTIC ATTRACTIONS

The participants on ESIR 2017 will have the opportunity, after the scientific meetings, to relax in a unique microclimate, an oasis of serenity and health, and to explore the beauty of nature. Enthusiasts of history and authentic folk tradition will be in the right environment. In the immediate vicinity of Băile Govora there are several historical sights included into the UNESCO patrimony, which invites you to explore the past.

Ocele Mari Salt Mine

Ocele Mari mine, located in Vâlcea County, represents one of the largest salt reserves in Romania, having estimated reserves of 9 billion tonnes of sodium chloride. The mine is arranged at 225 meters above sea level and lies on an area of 20,000 square meters. Salina has an annual temperature of 15°C.

Extraction of salt from Ocele Mari has started from ancient times, edifying being the discovery in this area of a significant number of mining axe-hammers belonging to the cultures of Neolithic, Bronze and Early Iron Age.



Trovants Museum

Natural reserve - located in Costești village, Vâlcea county, the Trovants Museum was created to protect the unusual geological creations named *Trovants*, popularly known as „*the living stones*”.

Trovants or the grease rocks are local cements grown inside the sand deposits that contain them and the ununiform secretion of the cement make the creation of these trovants with different shapes, sometimes very strange.

<http://bestofromania.eu/trovanti-museum-natural-reserve/>





Built in the late 17th century, **Hurezi Monastery**, part of the UNESCO World Heritage since 1993, is considered to be a masterpiece and the most representative construction in the "Brâncovenesc style", known for its architectural purity and balance, the richness of its sculpted detail, its treatment of religious compositions, its votive portraits, and its painted decorative works.

<http://bestofromania.eu/hurezi-monastery/>



Horezu ceramics is a unique type of pottery that is traditionally produced by hand around the town of Horezu in northern Wallachia (Vâlcea County), close to the famous Hurezi Monastery. It reflects many generations of knowledge and skills development of pottery, which is why the craftsmanship of Horezu pottery was inscribed on UNESCO Intangible Cultural Heritage Lists in December 2012.

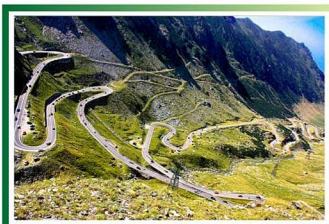
<http://bestofromania.eu/horezu-en/>



Transalpina highway



The **Transalpina Highway** (DN67C), located in the Southern Carpathians - Parang Mountains, is the highest mountain pass in Romania; an elevated passage filled with twists, turns, stunning cliffsides, and glorious mountainous views. It is considered the most beautiful highway in Europe. One theory states that the road was created by the Romans as a way of moving to and from Sarmizegetusa, the main city of the Roman empire in Romania, which is still home to many ruins and is an important archaeological site. The alternative idea about the construction of the Transalpina is that it came about during the reign of Carol II, hence the nickname of *The King's Road*.



The Women's Cave



The **Women's Cave** is a splendid natural monument situated in the Getic Depression of Oltenia, Baia de Fier village, Gorj County. Crossing the limestone, Râul Galbenul (the Yellow River) has dugged on the right side of the Galbenul Gorges the most visited speleological objective from Romania. The galleries, resulted after the Karstification of the limestone due to the infiltration of the water of the river, are about 3600 m and are disposed in 4 levels. The lower level is divided in two sectors: from North (1500 m) and the South (880 m) with a scientific importance, being a speleological reservation and inaccessible for tourists.



Travel information

Băile Govora (45°4.8 'North, 24°10.8' East) is located in central-south Romania, close to Râmnicu Vâlcea (less than 30 minutes) but is also not so far away from Sibiu (2 hours) and Bucharest (less than 3 hours). The Workshop will be held in Băile Govora spa, Vâlcea County, at Palace Hotel, located on a derivation of the road from Rm. Valcea to Horezu and Targu-Jiu.



Traveling by air:

The nearest international airports are in Sibiu (100 km) and Bucharest (200 km). For those arriving to *Sibiu International Airport* or *Bucharest Henri Coanda International Airport* shuttle transfer from the airport to the Palace Hotel in Băile Govora will be arranged at request.

Traveling by car:

Distance to major cities: Râmnicu Vâlcea – 20 km, Piteşti - 80 km, Sibiu - 120 km, Craiova - 150 km Bucharest - 200 km, Brasov – 210 km, Tg. Jiu - 100 km.

Different routes on the road to Băile Govora:

Bucharest - Piteşti (A1) - Râmnicu Vâlcea (DN7) - Băile Govora (DN67)

Sibiu - Râmnicu Vâlcea (DN7) - Băile Govora (DN67)

Traveling by train:

Govora railway station or Râmnicu Valcea railway station and then by bus till in the Băile Govora resort. There are frequent buses from Râmnicu Vâlcea (less than 30 minutes away) and three direct ones from Bucharest (3 ½ hours away).



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