



2016 Rio norm VIII

Oitavo Simpósio Internacional Sobre
Material Radioativo de Ocorrência Natural
Rio de Janeiro, 18-21 de Outubro 2016



SPONSORSHIP PROSPECTUS

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Promotion:



Executive Producer



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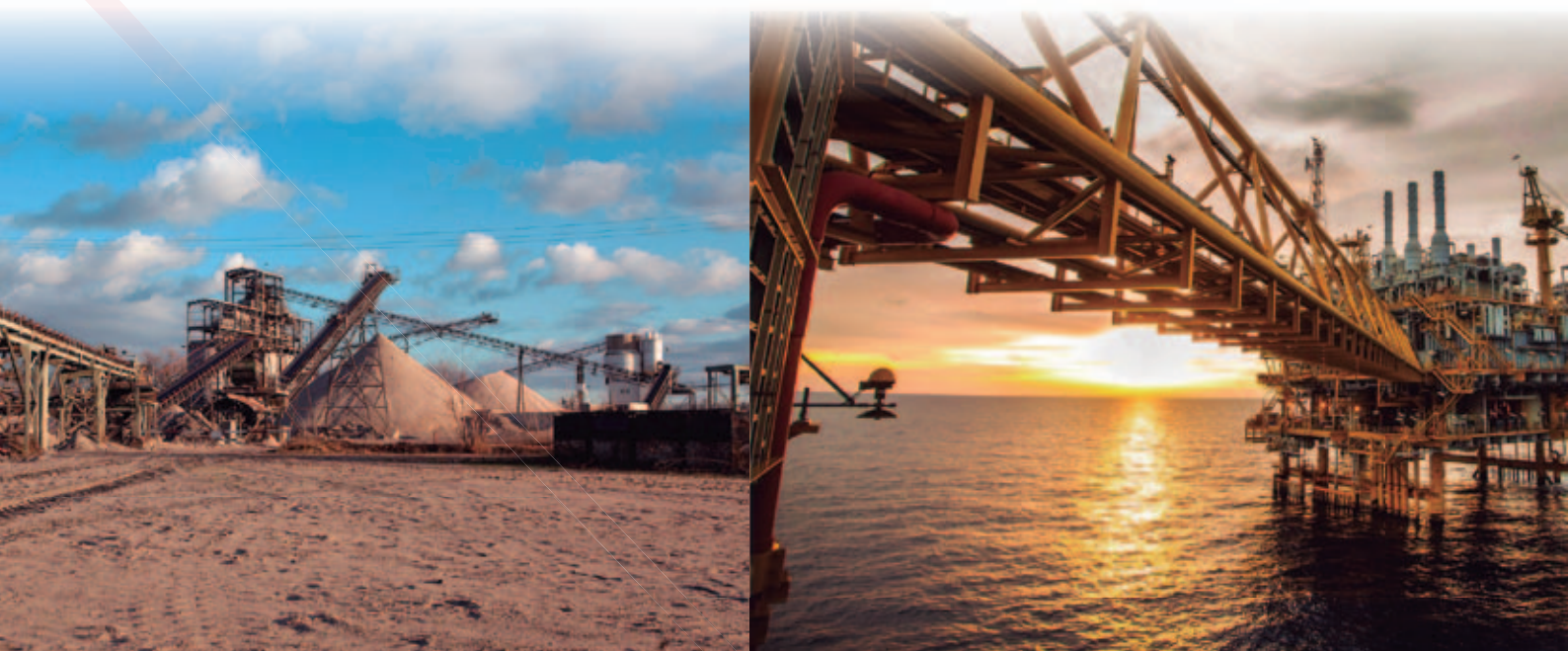
NORM



All minerals and raw materials contain radionuclides of natural origin, of which the most important for the purposes of radiation protection are the radionuclides in the ^{238}U and ^{232}Th decay series and ^{40}K . For most human activities involving minerals and raw materials, the levels of exposure to these radionuclides are not significantly greater than normal background levels. However, certain activities can give rise to significantly enhanced exposures that may need to be controlled by regulation. Material giving rise to these enhanced exposures has become known as naturally occurring radioactive material (NORM).

A list of industry sectors have been identified as the most likely to produce NORM: oil and gas production, the niobium and iron-niobium industry, manufacture of titanium dioxide pigments, the phosphate industry, the zircon and zirconia industry, and many other conventional mining and milling industries. The enhanced levels of radioactive isotopes of the uranium and thorium decay series in their products, sub products, residues and wastes may originate from physical and/or chemical processing where the material arising from a process may contain more radionuclides than the original raw and raw minerals.

The radiation exposition of the workers and public arising from NORM has to be assessed and at some cases radiation protection controls have to be implanted. The need to perform these assessments is a challenge for NORM industries, which must comply with standards from nuclear industries in addition to the usual environmental and worker safety requirements.



NORM IN BRAZIL



Brazil has the 7th largest economy in the world, one of the largest mineral deposits, and is an important producer and exporter of high quality ores. According to the National Department of Mineral Production (DNPM), there are about 8,000 mining companies operating in Brazil producing more than 60 minerals and metals.

Brazilian oil and gas, and mining industries are critical to Brazil sustaining economic growth. Thereby, their economic importance emphasizes the property of discuss practical solutions for the presence of NORM in these industries, enabling effective management from the point of view of radiological protection, for the workforce, the environment and the generated waste.

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PROFILE OF ATTENDANCE

Delegates will attend NORM 2016 from the following sectors:

- Industry (both nuclear and non-nuclear)
- Research, education and training
- Regulator bodies
- Consultancy
- Advisory Bodies

COMMITTEE



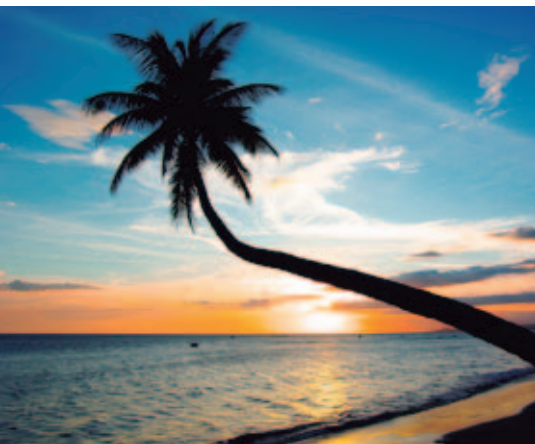
STEERING COMMITTEE

- Peter Waggit – Australia
- Dejanira C. Lauria – Brazil
- Vanusa M. D. Feliciano – Brazil
- Doug Chambers – Canada
- Burçin Okyar – IAEA – Austria
- Rafael García-Tenorio – Spain
- John G. Hunt – UNSCEAR Vice-chairman – Brazil
- Hua Liu – China
- Senliu Liu – China
- John G. Hunt – UNSCEAR Vice-chairman – Brazil
- Emilie Tahera Van Deventer – WHO

SCIENTIFIC COMMITTEE

- Analía Cecilia Canoba- Autoridad Regulatoria Nuclear – Argentina
- Peter Shaw – Centre for Radiation, Chemical and Environmental Hazards – UK
- Nick Tsurikov – Calytrix Consulting – Australia
- Fernando P. Carvalho – Campus Tecnológico Nuclear Universidade de Lisboa – Portugal
- Michalik Boguslaw – Central Mining Institute – Poland;
- Riaan van der Westhuizen – Palabora Mining Company – South Africa
- Barbara Mazzilli – Instituto de Pesquisas Energéticas Nucleares – IPEN – Brazil
- Luiz Ernesto Matta – Instituto de Radioproteção e Dosimetria – Brazil
- Juan Carlos Mora – Ciemat – Spain
- Philip Egidi – US Environmental Protection Agency – USA
- Dennis William Reisenweaver – Enercon Federal Services – USA
- P.P. Haridasan – Bhabha Atomic Research Centre – India
- Zhimen Fan – IAEA – Austria
- Horst Monken Fernandes – IAEA – Austria
- Roberto A. Suarez Alvarado- Comisión Nacional de Seguridad Nuclear Y Salvaguardias – Mexico
- Andy Woodruffe- Federal Authority for Nuclear Regulation-United Arab Emirates
- Jeroen Welbergen- Central Organization for Radioactive Waste- The Netherlands
- Mohammad Al-Hwaiti- Al-Hussein Bin Talal University- Jordan
- Qifan Wu- Tsinghua University – China

DESTINATION



BRAZIL

Brazil is the largest country in South America and the fifth largest in the world by geographical area (47% of the continent's territory) and by population (over 200 million people).

It is the only country in Latin America where Portuguese is primarily spoken and one of the most culturally and ethnically diverse nations in the world, due to extensive immigration from all corners of the world.

Limited by the Atlantic Ocean to the east, Brazil has a 7,000-kilometer coast. It borders Venezuela, Guiana, Suriname and French Guiana to the north; Colombia to the northwest; Bolivia and Peru to the west; Argentina and Paraguay to the southwest; and Uruguay to the south.

The Brazilian economy is the largest in South America and the southern hemisphere, as well as the seventh largest in the world. The country is a founding member of United Nations, G20, Community of Portuguese Language Countries (CPLP), Latin Union, Organization of American Countries (OAS), Organization of Ibero-American States (OEI), Common Market of the South (Mercosur), Union of South American Nations (Unasur) and BRICs.

Brazil is also the home for diverse wildlife, ecosystems and vast natural resources, spread over a great variety of protected habitats.

DESTINATION



RIO DE JANEIRO

The most well-known Brazilian city, Rio de Janeiro is the gate to international tourism in Brazil, as well as the main touristic destination both in Latin America and in the southern hemisphere.

The city has a long tradition of hosting large scale events. Rio de Janeiro promotes two of the largest festivals in the world: its famous Carnival and the New Year's Eve at Copacabana Beach, which gathers more than two million people every year.

The "Wonderful City" is hospitable and has large hotel infrastructure. There are 30,000 rooms prepared to lodge Brazilian and foreign tourists. Furthermore, by the end of 2015, 17,000 new hotel rooms will be added to the total number.

VILA GALE CONVENTION CENTER



Hotel Vila Galé Rio de Janeiro

The hotel Vila Galé Rio de Janeiro opened in December 2014 and is located in the historic centre of Rio de Janeiro, in the famous Lapa district, full of bars and restaurants, which is the centre point of the city's bohemian life.

This hotel in Rio de Janeiro, was built from the recovery of an old mansion and has a modern decor inspired by Samba and Bossa Nova.

The hotel in downtown Rio has spacious and modern rooms and suites, bar, library, spa with gym, massage room, Jacuzzi and Convention Centre with 8 rooms, including a Master hall with 277m².

The hotel offers free Wi-Fi in all public areas.

This hotel in the centre of Rio de Janeiro, still offers the Inevitável restaurant with gourmet cuisine, Mediterranean-style supported by first-rate products.

During your stay, be sure to visit the famous Arcos da Lapa, the Museum of Image and Sound, the Escadaria Selarón steps and the Church of Our Lady of Carmo da Lapa do Destino.

The privileged location of this hotel also has the advantage of ease of access to the airport.

SPONSORSHIP OPPORTUNITIES



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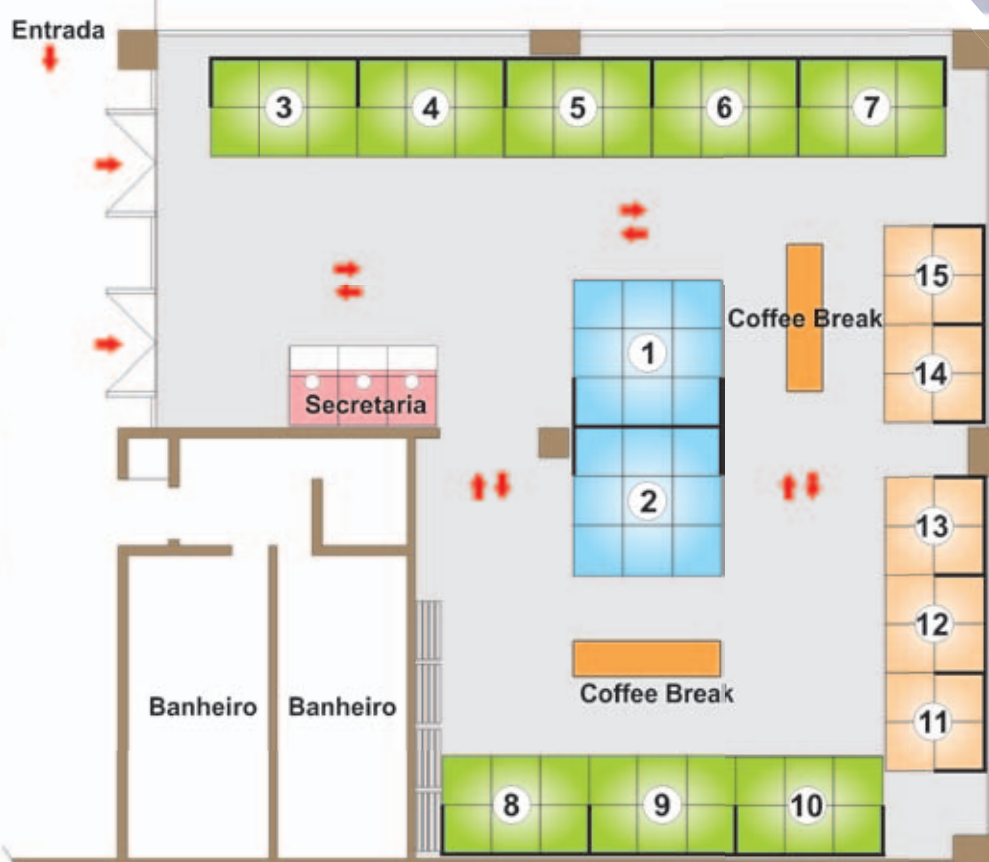
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EXHIBITION CENTRE



Legenda

	9m ² (3m x 3m)
	6m ² (3m x 2m)
	4m ² (2m x 2m)



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Eighth International Symposium on Naturally
Occurring Radioactive Material – NORM VIII
Rio de Janeiro, Brazil, October 18 -21, 2016