

The Brazilian Nuclear Energy Association - ABEN will promote the eighth International Nuclear Atlantic Conference - INAC 2017, to be held at the Dayrell Hotel & Centro de Convenções in Belo Horizonte, the capital of the state of Minas Gerais, in southeastern Brazil| October 22 to 27, 2017. The theme of the event is Nuclear Energy for National Projects, which intends to discuss the nuclear energy as a source that generates industrial demand, employment, social and economic development and contributes to the environmental goals in the countries and regions where it operates.

The Conference will comprise three independent, but complementary, Technical Meetings: The XX Meeting on Nuclear Reactor Physics and Thermal hydraulics (ENFR), the XIII Meeting on Nuclear Applications (ENAN) and the V Meeting on Nuclear Industry (ENIN). Jointly, the seventh edition of the Junior Poster Technical Sessions will be organized for undergraduate students from a number of colleges and universities in order to share with the participants the relevant results achieved in their research work under the supervision of nuclear researchers from Brazilian institutions.

Complementary to the program, Expolnac, the traditional technical and commercial exhibition, will run alongside the INAC 2017, offering the opportunity to network with the delegates, enhance relationships with existing customers and meet new ones, demonstrate products or services, launch new products, and seek international partners forming new alliances.

Olga Cortes Rabelo Leão Simbalista

President of the Brazilian Nuclear Energy Association - ABEN

KEY DATES, CALL FOR PAPERS AND INFORMATION

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Nuclear Energy for National Projects

October 22-27, 2017
Dayrell Hotel & Convention Center
Belo Horizonte, MG, Brazil



Meeting on Nuclear Reactor Physics
and Thermal Hydraulics

SUBJECT AREAS

- R01 Nuclear Reactor Physics
- R02 Nuclear Reactor Thermal Hydraulics
- R03 Applied Mathematics and Computation
- R04 Artificial Intelligence and Virtual Reality
- R05 Nuclear Reactor Fuel Fabrication and Design
- R06 Advanced Nuclear Reactors
- R07 Structural Mechanics
- R08 Reactor Safety Analysis
- R09 Computational Fluid Dynamics
- R10 Man Machine Interface
- R11 Nuclear Reactor Licensing and Regulation
- R12 Nuclear Reactor Instrumentation and Control
- R13 Nuclear Power Plant Viability, Design, Construction and Operation
- R14 Environmental Impact applied to Nuclear Reactors and Fuel Cycle

CHAIR

Maria de Lourdes Moreira – IEN-Cnen/RJ

CO-CHAIR

Claudia Pereira Bezerra Lima – Escola de Engenharia da UFMG



Meeting on Nuclear Applications

SUBJECT AREAS

- E01 Radiation Protection
- E02 Dosimetry
- E03 Nuclear Analytical Techniques
- E04 Environmental Sciences
- E05 Nuclear Instrumentation
- E06 Waste Management
- E07 Isotopic Techniques in Environmental and Industrial Processes
- E08 Medicine and Health
- E09 Food Science
- E10 Biology
- E11 Nuclear Physics
- E12 Materials Science and Technology
- E13 Irradiators, Licensing and Regulations of Radioactive Installations
- E14 Cultural Heritage

CHAIR

Margarida Mizue Hamada – Ipen-Cnen/SP

CO-CHAIR

Fausto Maretti Junior – CDTN-Cnen/MG



Meeting on Nuclear Industry

SUBJECT AREAS

- I01 Integrated Management Systems
- I02 Energy Sources Sustainability Assessment
- I03 Knowledge Management and Personnel Qualification
- I04 Social Responsibility
- I05 Uranium Market
- I06 Nuclear Power Generation Systems
- I07 Fuel Cycle Management and Services
- I08 Communications and Public Acceptance of Nuclear Energy
- I09 Operational aspects, costs and capacity factors in the Nuclear Generation of large utilities
- I10 The world structure in the construction, assembly and supply of equipments and services of Nuclear Power
- I11 Nuclear Security, Non Proliferation, Safeguards and Nuclear Forensics
- I12 Nuclear Industry sectors which do not adhere to any of the above

CHAIR

João da Silva Gonçalves – INB

CO-CHAIRS

Rogério Arcuri Filho – Eletronuclear
Marcelo Gomes da Silva – Eletronuclear

INAC 2017

CHAIR

Antonio Teixeira e Silva – Ipen-Cnen/SP

CO-CHAIR

Hugo Cesar Rezende – CDTN-Cnen/MG

Junior Poster Technical Sessions

CHAIR

Ricardo C. Barros - Uerj