

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 (ENFIR), 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 Nationals Projects

October 22-27, 2017
Dayrell Hotel & Centro de Convenções
Belo Horizonte - MG, Brasil

Information:

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XX ENFIR - Meeting on Nuclear Reactor
Physics and Thermal Hydraulics

- **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



XIII ENAN - Meeting on Nuclear Applications

- **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/BH



VENIN - Meeting on Nuclear Industry

- **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-CHAIR

Rogério Arcuri Filho – Eletronuclear
Marcelo Gomes da Silva – Eletronuclear

INAC 2017

CHAIR

Antonio Teixeira e Silva – Ipen-Cnen/SP

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Junior Poster Technical Sessions

CHAIR

Ricardo C. Barros - Uerj