



## SUBJECT AREAS

We seek original contributions in the following areas:



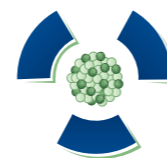
### XVI ENFIR

Meeting on Nuclear Reactor  
Physics and Thermal Hydraulics

- R01 Nuclear Reactor Physics
- R02 Nuclear Reactor Thermal Hydraulics
- R03 Deterministic Reactor Safety Analysis
- R04 Probabilistic Reactor Safety Analysis
- R05 Radiation Shielding
- R06 Fuel Cycle Management and Services
- R07 Nuclear Reactor Materials
- R08 Nuclear Reactor Fuel Fabrication and Design
- R09 Nuclear Reactor Instrumentation and Control
- R10 Nuclear Reactor Licensing and Regulation
- R11 Nuclear Power Plant Viability, Design, Construction and Operation
- R12 Advanced Nuclear Reactors
- R13 Structural Mechanics
- R14 System and Equipment Design
- R15 Computational Fluid Dynamics
- R16 Applied Mathematics and Computation
- R17 Artificial Intelligence
- R18 Man Machine Interface
- R19 Long-lived Radioactive Waste Management
- R20 Optimization Methods

#### Chair

Ricardo C. Barros - UERJ



### IX 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 Nuclear Techniques Applications in Agricultural Processes
- E10 Food Science
- E11 Biology
- E12 Nuclear Physics
- E13 Materials Science and Technology
- E14 Irradiators, Licensing and Regulations of Radioactive Installations
- E15 Drilling, Processing and Transportation of Petroleum and Natural Gas
- E16 Cultural Heritage

#### Chair

Margarida Mizue Hamada - IPEN-CNEN/SP



### I ENIN

Meeting on Nuclear  
Industry

- I01 Integrated Management Systems
- I02 Energy Sources Sustainability Assessment
- I03 Knowledge Management and Personnel Qualification
- I04 Social Responsibility
- I05 Environment, Health and Safety
- I06 Uranium Market
- I07 Advanced Nuclear Power Generation Systems
- I08 Communications and Public Acceptance of Nuclear Energy
- I09 Nuclear industry sectors which do not adhere to any of the above

#### Chair

Rogério Arcuri Filho - Eletronuclear

### JUNIOR POSTER TECHNICAL SESSIONS

#### Chair

Fausto Maretti Júnior - CDTN

We encourage all to also submit their research work co-authored with their undergraduate student collaborators for presentation in the INAC 2009 junior poster technical sessions.

### ExpoINAC

#### Chairs

Edson Kuramoto - Eletronuclear  
Wilson A. P. Calvo - IPEN-CNEN/SP