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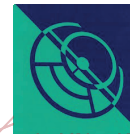
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CONFERENCE TOPICS

- Deterministic and Monte Carlo Transport Theory Methods
- Reactor Core and lattice physics Methods
- Physics and Computational Methods for Advanced reactors
- Reactor Theory and Reactor Concepts
- Neutron Kinetics and Dynamics
- Criticality and Safety Analysis
- Nuclear Safety and Nuclear Security
- Fuel Loading Optimization and Fuel Design
- Nuclear Data Analysis and Methods
- Computer Codes and Benchmarks
- Computational Methods for Research Reactors
- High Temperature Reactors Physics and Methods
- Reactor Thermal-hydraulics
- Radioactive Waste Management
- Research Reactor Utilization
- Reactor Dosimetry and Reactor Shielding
- Nuclear Desalination
- Education and training in Nuclear Sciences
- Nuclear Power Operations

OTHER EXPECTED SPONSORS



INSEN
International
Nuclear Security
Education Network



The Moroccan Association for Nuclear
Engineering and Reactor Technology (GMTR)

in collaboration with



The National Centre for Nuclear
Energy, Nuclear Sciences and
Techniques (CNESTEN)



The Moroccan Agency for
Nuclear and Radiological Safety
and Security (AMSSNuR)

organizes

The Fourth International Conference on
Physics and Technology of Reactors and
Applications [PHYTRA4]

www.phytra4.gmtr.ma

Preliminary Announcement



Marrakech, Morocco
19 - 17 September 2018

with the sponsorship of

Ministry of Energy, Mines and Sustainable Development



ANS



CNS



CEA



RSIC

PRESENTATION

The 4th edition of the conference PHYTRA will be organized by the Moroccan Association for Nuclear Engineering and Reactor Technology (GMTR) with the collaboration of the National Centre for Energy, Sciences and Nuclear Techniques (CNESTEN) and The Moroccan Agency for Nuclear and Radiological Safety and Security (AMSSNuR) after the resounding success which the previous editions had met. As for the previous editions, PHYTRA4 is expected to be an outstanding international event in the MENA region which provides an opportunity for researchers, academicians and practitioners in the field of physics and technology of reactors to gather, exchange ideas, and present original research contributions and best practices. As for PHYTRA3 edition, a selection of the most interesting papers to be presented at PHYTRA4 conference will be published in a special issue of the international journal : Annals of Nuclear Energy .

Since the last edition and after the hesitations caused by the Fukushima accident in Japan, the interest for nuclear energy does not cease increasing and a great number of developing countries including Morocco expressed their intention to include the nuclear option in their national energy plans. In addition to the usual topics of reactor physics, the PHYTRA4 program will include new topics on education and training in reactor physics and Nuclear safety and security, which are of great importance for the countries who decide to embark on a nuclear power program.

MARRAKECH CITY

Marrakech was founded in 1070 by the Almoravids, Marrakesh remained a political, economic and cultural centre for a long period. Its influence was felt throughout the western Muslim world, from North Africa to Andalusia. It has several impressive monuments dating from that period: the Koutoubiya Mosque, the Kasbah, the battlements, monumental doors, gardens, etc. Later architectural jewels include the Badia Palace, the Ben Youssef Madrasa, the Saadian Tombs, several great residences and Place Jamaâ El Fna, a veritable open-air theatre. Marrakech has topped the list of Top Destination in the World in TripAdvisor's annual Travelers' Choice Awards for year 2015.

HONORARY CHAIRS

K. EL MADIOURI

CNESTEN General Director, Rabat, Morocco
and

K. MRABIT

Moroccan Regulatory Agency (AMSSNuR)
General Director, Rabat Morocco

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ORGANIZING COMMITTEE

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ABSTRACTS

The extended abstract of 2 to 3 pages in Word format should include: title (capital letters), authors, affiliations, text and references. The format page must be A4 with 2.5 cm margin all Bides using 12 point Times New Roman single space. Selected papers will be published in an international specialized journal. The abstracts should be uploaded through the conference web site or sent by E-mail to the following addresses:

erradi@hotmail.com ; phytra4@gmtr.ma

REGISTRATION FEES

	Before	After
	July 20, 2018	
Participants (GMTR members)	400€	450€
(non GMTR members)	500€	550€
Students	250€	300€
Industrials	600€	650€

The registration fee includes : welcome drink, coffee breaks, lunch during the three conference days, conference dinner, the conference program and the abstracts book. The mode of payment will be indicated later and the registration form will be provided through the conference web site.

EXHIBITION

Some space, immediately adjacent to the lecture and poster rooms, will be available for the exhibition of leaflets, books and small equipment. The interested organizations and companies are invited to consult the conference web site.

DEADLINES

May 15, 2018 : Abstracts submission
July 16, 2018 : Acceptance notification
August 15, 2018 : Communications submission