



The Abdus Salam  
International Centre  
for Theoretical Physics



# Joint ICTP-IAEA-MAMBA School on Materials Irradiation: from Basics to Applications

## Description:

This School is aimed at developing experimental and theoretical understanding of materials response to irradiation, of experimental and computational tools, and their application to control the properties of materials exposed to intense radiation environments. Areas of interest include: space electronics and photovoltaics, radiation-resistant materials and nanostructures, radiation detectors, hadron radiotherapy and space radiobiology, nuclear decommissioning, nuclear fusion, accelerator technologies, stopping power, computational methods, and safe analysis strategies of heritage objects.



**10 - 21 February 2025**



**Trieste, Italy**



**Deadline:  
24 November 2024**

## SPEAKERS:

- A. ALET, Universidad de Rosario, Argentina
- M. ALURRALDE, Comisión Nacional de Energía Atómica, Argentina
- E. ARTACHO, CIC nanoGUNE, Spain
- A. BERTOLO, Comisión Nacional de Energía Atómica, Argentina
- F. DJURABEKOVA, University of Helsinki, Finland
- M. GALASSI, Universidad de Rosario, Argentina
- A. HEMERYCK, LAAS-CNRS-Toulouse, France
- N. MEDVEDEV, Czech Academy of Sciences, Czech Republic
- D. NGUYEN-MANH, UKAEA, UK
- A. RIVERA, Universidad Politécnica de Madrid, Spain
- E. SCIFONI, TIFPA-INFN, Italy
- L. STELLA, Queen's University Belfast, UK
- A. TAMM, Tartu Ulikool, Estonia

## DIRECTORS:

- K. HEINOLA, IAEA, Austria
- J. KOHANOFF, Universidad Politecnica de Madrid, Spain
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- L. MARTIN-SAMOS, IOM-CNR, Italy
- T. RUBIO, Universidad Politecnica de Madrid, Spain
- A. SIMON, IAEA, Austria

## LOCAL ORGANISER:

- N. SERIANI, ICTP, Italy

## FURTHER INFORMATION:

E-mail: [smr4055@ictp.it](mailto:smr4055@ictp.it)

Web: <http://indico.ictp.it/event/10820/>

Female scientists are encouraged to apply.



## GRANTS:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.



**IAEA**  
International Atomic Energy Agency  
Atoms for Peace and Development

