

Joint ICTP/IAEA Workshop on Fundamentals of Vitrification and Vitreous Materials for Nuclear Waste Immobilization

6 – 10 November 2017
Trieste, Italy



Further information:

Activity URL: <http://indico.ictp.it/event/8002/>

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The Workshop is devoted to advances in understanding fundamentals of vitrification and utilization of vitreous materials in nuclear applications focusing on topics related to immobilization of nuclear wastes.

Description:

The Workshop will bring together researchers from the area of materials science with a focus on vitreous materials for nuclear energy and will promote scientific exchange among material science experts. It will assist experts from nuclear energy research, materials science and vitrification to better understand and appreciate the wide range and full potential of glass science and technology tools and methods devoted to vitrification and properties of vitreous materials.

Topics:

- Fundamentals of vitrification and structural changes at glass transition;
- Stability of glassy state and durability of vitreous materials;
- Viscous flow in vitreous materials and the viscosity of glasses and melts;
- Nuclear waste vitrification and properties of vitreous wasteforms;
- Self-heating and self-irradiation effects in glasses containing radioactive waste;
- Theoretical methods to investigate and simulate glasses and melts at glass transition;
- Uses of computer codes for study of microstructure, ageing and corrosion of glasses.

Directors:

M.I. OJOVAN, IAEA, Vienna

R.J. HAND, University of Sheffield, UK

Local Organizer:

S. SCANDOLO, ICTP, Trieste

How to apply:

Online application:
<http://indico.ictp.it/event/8002/>

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.

Deadline:

31 July 2017

