

A.N.T. International Academy – Seminar Schedule



Radiation Effects on Material Properties at Palma de Mallorca, Spain — March 7th–8th, 2019

Thursday, March 7th:

LECTURES BY: DR. MALCOLM GRIFFITHS

- | | |
|---------------|---|
| (09:00–09:30) | Introduction |
| (09:30–10:30) | Physical Metallurgy of Metal Alloys used in Nuclear Reactor Cores |
| (10:30–11:30) | Evolution of Microstructure and Effect on Mechanical Properties Part I |
| (11:30–12:00) | <i>Coffee Break</i> |
| (12:00–13:00) | Evolution of Microstructure and Effect on Mechanical Properties Part II |
| (13:00–14:30) | <i>Lunch</i> |
| (14:30–15:30) | Tensors and Material Properties |
| (15:30–16:00) | <i>Coffee Break</i> |
| (16:00–17:00) | Radiation Damage - spectral effects |
| (17:00–18:00) | Irradiation Creep and Growth of Zr-alloys |

Friday, March 8th:

LECTURES BY: DR. MALCOLM GRIFFITHS

- | | |
|---------------|--|
| (09:00–09:30) | Recap of Day 1 |
| (09:30–10:30) | Applied Rate Theory |
| (10:30–11:30) | <i>Coffee Break</i> |
| (11:30–12:00) | Microstructure Analysis Using Diffraction |
| (12:00–13:00) | Everything a Reactor Engineer Needs to Know - Zr-Alloys |
| (13:00–14:30) | <i>Lunch</i> |
| (14:30–15:30) | Everything a Reactor Engineer Needs to Know - Ni-Alloys |
| (15:30–16:00) | <i>Coffee Break</i> |
| (16:00–17:00) | Everything a Reactor Engineer Needs to Know - Steels |
| (17:00–18:00) | R&D in Support of Candu Reactor Refurbishment (Supplemental) |

Please note that the Radiation Effects on Material Properties Seminar starts at **9:00 on March 7th** and ends at **18:00 on March 8th**.



A.N.T. INTERNATIONAL®

www.antinternational.com

Advanced Nuclear Technology International
Spinnerivägen 1, Fack 5035, SE-448 50 Tollerød, Sweden. Phone: +46 (0)31-88 16 00.
info@antinternational.com www.antinternational.com