



WNU short course **Overview and Key Topics in the World Nuclear Industry Today**



Short Course **OVERVIEW AND KEY TOPICS IN THE WORLD NUCLEAR INDUSTRY TODAY**

in collaboration with Korea Atomic Energy Research Institute

Seoul, South Korea
13-15 July 2015

The short course “*Overview and Key Topics in the World Nuclear Industry Today*” is designed to enhance the knowledge of attendees about how nuclear science and technology are applied in the world today, while encouraging an expansive view of where it is likely to go in the future. A related objective is to encourage different groups involved in nuclear to communicate more closely with each other, to the benefit of all.

The course covers a wide range of topics with the aim of offering practical knowledge, a global perspective and an exciting vision of the future, which should stimulate interest amongst attendees in pursuing further developments in this area. **In 2014, this course was shortlisted as the best training course with less than 2 weeks duration by the Nuclear Engineering International magazine.**

Participants will be professionals from nuclear research centres, local nuclear industry and potential nuclear supply chain companies, regulators and decision makers concerned with nuclear, environmental and energy matters, graduate University students and professors from science and engineering departments.

The lecturers are leading world experts and will present overviews of a full range of nuclear-related topics, with opportunities for full class participation. Local experts will present national capabilities in the nuclear area. All teaching will be in English.



WNU short course Overview and Key Topics in the World Nuclear Industry Today



Short Course **OVERVIEW AND KEY TOPICS IN THE WORLD NUCLEAR INDUSTRY TODAY** **Seoul, South Korea, 13-15 July 2015**

PROGRAMME

| Time | Topic | Presenter | Organization |
|------------------------------|--|---|--|
| 13/7/2015 - Monday | | | |
| 09:00-09:15 | Opening Ceremony | <i>Local Distinguished Representative</i> | |
| 09:15-09:30 | Introduction to WNU and the course | Serge Gorlin | WNA |
| 09:30-10:30 | Nuclear Power in the World Energy Context | Serge Gorlin | WNA |
| 10:30-11:00 | Refreshment Break | | |
| 11:00-12:00 | Nuclear Economics | Milton Caplan | MZ Consulting |
| 12:00-13:30 | Lunch | | |
| 13:30-15:00 | Nuclear Project Structuring and Financing | Milton Caplan | MZ Consulting |
| 15:00-15:15 | Refreshment Break | | |
| 15:15-16:15 | Nuclear Fuel Market | Milton Caplan | MZ Consulting |
| 16:15-17:00 | Wrap up and Discussion | | |
| 14/7/2015 - Tuesday | | | |
| 09:00-10:00 | Nuclear Industry Development | Serge Gorlin | WNA |
| 10:00-10:30 | Refreshment Break | | |
| 10:30-12:00 | Nuclear Safety, Security and Safeguards: The International Regime | Abel J. Gonzalez | Autoridad Regulatoria Nuclear (ARN), Argentina |
| 12:00-13:30 | Lunch | | |
| 13:30-15:00 | Lessons from the Major Nuclear Events: Feedback into the International Safety Regime | Abel J. Gonzalez | Autoridad Regulatoria Nuclear (ARN), Argentina |
| 15:00-15:15 | Refreshment Break | | |
| 15:15-15:45 | Fukushima Accident Report | Abel J. Gonzalez | Autoridad Regulatoria Nuclear (ARN), Argentina |
| 15:45-16:45 | Korean experience in NPP development and supply chain challenges | JaeKyu Lee | KEPCO E&C |
| 16:45-17:00 | Wrap up and Discussion | | |
| 15/7/2015 - Wednesday | | | |
| 09:00-10:00 | Nuclear Power Plant Technology Selection Criteria | Milton Caplan | MZ Consulting |
| 10:00-10:30 | Refreshment Break | | |
| 10:30-11:30 | Country Case Studies | Milton Caplan | MZ Consulting |
| 11:30-12:30 | Small and Medium Size Reactors | Keung Koo Kim | KAERI |
| 12:30-14:00 | Lunch | | |
| 14:00-15:00 | Nuclear Transport | Serge Gorlin | WNA |
| 15:00-16:00 | Wrap up and Discussion | | |
| 16:00-16:30 | Closing Ceremony | | |