

ENELA, the European Nuclear Energy Leadership Academy, is proud to announce, in collaboration with **enstti** the European Nuclear Safety Training and Tutoring Institute, the inaugural ENELA Conference Cycle (ECC) for nuclear and non-nuclear executives, opinion leaders and policy-makers dedicated to the topic:

## Putting severe accidents into perspective. Learning from the past, preparing for the future of nuclear energy

### Co-Chairmen:

Prof. Akira Omoto, Tokyo University, Commissioner JAEC (Japan Atomic Energy Commission)  
Prof. Frank-Peter Weiß, CEO, Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) Germany  
Philippe Garderet, Scientific Vice-President AREVA  
Peter Faross, DDG Energy, European Commission

### WHY ATTEND THIS CONFERENCE CYCLE?

One year on from Fukushima-Daiichi, analysis continues and public debate often looks back to severe accidents of the past at Chernobyl and Three Mile Island. Lots of arguments are thrown into the discussion and mixed up. Getting a clear understanding of these highly complex topics is not easy, especially for recipients without specialist nuclear knowledge. Meeting this demand for high-quality background information, presented in a comprehensible and condensed way, was the key driver to setting up an ENELA Conference Cycle based on the following key questions:

- How is the situation in **Fukushima-Daiichi** one year after the accident?
- Can we **compare** the Fukushima accident to **other severe accidents** of the past?
- What is actually the current status of **Chernobyl** and **TMI** in terms of **environmental, economic, social and legal consequences**?
- What have we learned from Chernobyl and TMI regarding **accident management** and **long-term recovery actions**?
- Are there some new "**lessons learned**" to be drawn from Fukushima-Daiichi?
- What are the global **prospects** for the nuclear industry in the coming decades?

The main objective of this seminar is to answer these questions by giving **reliable data and facts** in a **comprehensive way** to **executives involved in nuclear energy issues** as well as to **opinion formers** and **policy makers**.

The **ECC training format** will enable delegates both to **draw their own conclusions** and to **make authoritative contributions** to on-going discussions about nuclear power.

Nuclear knowledge or an **advanced technical background** is **not a prerequisite** for being able to follow the cycle as comprehensive **introductory lectures on nuclear base knowledge** will be given.

To guarantee **state-of-the-art expertise** and **exclusive insights**, we will involve international **business leaders** and **top-flight speakers** from the **industry, academia, international organisations** and **politics**. There will also be plenty of **networking opportunities** between lectures.

In cooperation with



 ENELA is an initiative of



... and the support of the European Commission.

*Take a quantum leap forward*

## Programme

This ECC consists of three 2-day-seminars (Thursdays and Fridays) in February, March and April 2012.

### 1st seminar: 9/10 February 2012 Fukushima, Chernobyl and TMI – three severe accidents and their aftermath on-site

This seminar will cover the **basics of safety philosophy** in **nuclear power plant design** and examine **on-site issues** focusing on the **processes of a severe accident**. The seminar will provide a comprehensive **update of the situation** in **Chernobyl, Three Mile Island (TMI) and Fukushima-Daiichi**.

We will discuss and compare not only **technical** aspects of these three accidents but also scrutinise **managerial** and **communication** aspects, examine the **“human factor”** as well as discuss the **economic, social and legal** consequences for the respective plants.

Thursday, 9 February 2012		Friday, 10 February 2012	
10:00 – 10:30	Registration and welcome	8:30 – 10:00	<b>Session IV: Chernobyl – the accident and the on-site recovery programme</b> Dr Michel Chouha, Riskaudit Kiev
10:30 – 12:00	<b>Session I: Safety philosophy for design</b> Victor Teschendorff, former Head of Reactor Safety Division, GRS	10:00 – 11:00	Coffee break
12:00 – 13:00	Lunch break	11:00 – 12:30	<b>Session V: The Fukushima accident – setting the scene</b> Prof Akira Omoto, Commissioner JAEC
13:00 – 14:30	<b>Session II: Understanding the processes of a severe accident</b> Dr Martin Sonnenkalb, Head of Department, Reactor Safety Research Division, GRS	12:30 – 13:30	Lunch break
14:30 – 15:30	Coffee break	13:30 – 15:00	<b>Session VI: Design of the Fukushima-Daiichi plant. The accident sequence and an update on the on-site recovery activities</b> Prof Akira Omoto, Commissioner JAEC
15:30 – 17:00	<b>Session III: TMI – the accident and the on-site recovery programme</b> Lake Barrett, former TMI site manager for the U.S. Nuclear Regulatory Commission		
18:30 – 20:30	Evening event: <b>Round table on the impact of the cultural behaviour patterns on safety culture</b> Introduced by Kerstin Dahlgren-Persson, formerly IAEA, now Chief Nuclear Safety Officer, Vattenfall		
	Buffet dinner		

## Programme

This ECC consists of three 2-day-seminars (Thursdays and Fridays) in February, March and April 2012.

### 2nd seminar: 22/23 March 2012 Severe accidents and their impact on public health and the environment

This seminar will cover **issues from an off-site perspective**, such as the **fundamentals of radiation** and standards for **radiation protection** past and present. In particular, the seminar will assess the evolution of the **radiological situation**

around the accident site in **Fukushima-Daiichi, TMI and Chernobyl**. Based on the feedback from Chernobyl, we will discuss the **long-term impact** of the Fukushima accident with regard to **public health** and the **environment**.

Thursday, 22 March 2012		Friday, 23 March 2012	
10:00 – 10:30	Registration and welcome	8:30 – 10:00	<b>Session IV: Assessing the long-term impact of major accidents (TMI and Chernobyl)</b> Prof Mikhail Balonov, Head of Protection Lab, St. Petersburg Institute of Radiation Hygiene
10:30 – 12:00	<b>Session I: Effects of ionising radiation on people and the environment</b> Prof François Paquet, Senior Expert in Radiological Protection and Coordinator of researches in IRSN, Member of the International Commission on Radiological Protection	10:00 – 11:00	Coffee break
12:00 – 13:00	Lunch break	11:00 – 12:30	<b>Session V: Fukushima. The impact on public health and the environment. The situation today</b> Prof Toshiso Kosako, Tokyo University
13:00 – 14:30	<b>Session II: Emergency preparedness from standard to practical measures</b> Dr Wolfgang Weiss, International Commission on Radiological Protection	12:30 – 13:30	Lunch break
14:30 – 15:30	Coffee break	13:30 – 15:00	<b>Session VI: Fukushima. Remediation programme – what is underway and what is envisaged</b> Dr Kimiaki Saito, Japan Atomic Energy Agency (JAEA)
15:30 – 17:00	<b>Session III: Risk and risk perception in human activities with special regard to different means of power generation</b> Prof Sven Ove Hansson, Department of Philosophy and History of Technology, Royal Institute of Technology Stockholm		
18:30 – 20:30	Evening event: <b>Round table on risk management of environmental impacts of human activity in the event of accidents</b> Hosted by Prof Sven Ove Hansson		
	Buffet dinner		

## Programme

This ECC consists of three 2-day-seminars (Thursdays and Fridays) in February, March and April 2012.

### 3rd seminar: 26/27 April 2012 One year after Fukushima-Daiichi. Perspectives and prognoses on the way ahead

This seminar will consider the **latest verified data** arising from the **NPP stress tests** around the world and examine the **prospects for nuclear** in the coming decades. We will discuss **socio-economic consequences** of past severe accidents and scrutinise **public acceptance** towards nuclear on a global scale. In conclusion, the seminar will assess **lessons learned** regarding

not only **design** and **operation** but also accident prevention and accident management in terms of **safety culture**, **management issues** and **communication aspects**. Last but not least we will discuss the important **role of national and international control mechanisms**.

Thursday, 26 April 2012		Friday, 27 April 2012	
10:00 – 10:30	Registration and welcome	8:30 – 10:00	<b>Session IV: Possible lessons learned from Fukushima on design and operation</b> François Bouteille, Senior Vice President Safety & Licensing, AREVA
10:30 – 12:00	<b>Session I: Impact on public acceptance in relation to nuclear power</b> Minoru Kubo, Senior Advisor of the Public Relations Department at the Japan Atomic Energy Agency (JAEA)	10:00 – 11:00	Coffee break
12:00 – 13:00	Lunch break	11:00 – 12:30	<b>Session V: Possible lessons learned from Fukushima on the role of national and international regulatory bodies as well as accident prevention and accident management</b> Denis Flory, IAEA Deputy Director General and Head of Department of Nuclear Safety and Security
13:00 – 14:30	<b>Session II: The socio-economic impact</b> Prof Akira Omoto, Commissioner JAEC	12:30 – 13:30	Lunch break
14:30 – 15:30	Coffee break	13:30 – 15:00	<b>Session VI: The way forward for the industry</b> George Felgate, Managing Director of WANO
15:30 – 17:00	<b>Session III: Feedback from international stress tests on NPPs</b> Dr Peter B. Lyons, Assistant Secretary for Nuclear Energy, United States Department of Nuclear Energy – t.b.c. Prof Akira Omoto, Commissioner JAEC		
18:30 – 20:30	Evening event: <b>Round table on the development of nuclear energy after the Fukushima accident</b>		
	Buffet dinner		

## Practical Information

### Registration fee

The ECC registration fee covers attendance at all sessions, refreshments, full seminar documentation, plus access to the seminars' proceedings after the event, attendance at the conference reception and the evening event.

Normal fee for the whole cycle (3 seminars): 2.500 € + 19% VAT

Normal fee per single seminar: 980 € + 19% VAT

Reduced fee for delegates from universities for the whole cycle (3 seminars): 1.250 € + 19% VAT

Reduced fee for delegates from universities per single seminar: 490 € + 19% VAT

### Registration process

Registration is possible at any time, but 30 days before the event at the latest. Please complete the [registration form](#) on the ECC section of ENELA's website and return it to the ECC secretariat. You will receive confirmation of your registration and the invoice for the conference fee by email. Registration is definitive only when acknowledgement of payment is received.

### Event venue

ECC seminars are held at ENELA's state-of-the-art training and leadership centre, near Munich city centre. Address: ENELA, 3rd floor ARONDO building, Dingolfinger Strasse 15, 81673 Munich

You can reach ENELA...

- ... from Munich International Airport by S-Bahn in 35 minutes (S8, stop "Leuchtenbergring").
- ... from Munich Central station by S-Bahn in 12 minutes (S2, S4, S6, S8, stop "Leuchtenbergring").
- ... by car via Mittlerer Ring, Exit "Laim".  
Free parking is available on reservation.

### Further Information

For any further information, please do not hesitate to contact ENELA via [ecc@enela.eu](mailto:ecc@enela.eu) or phone:

Dr Veronika Johnzén,  
ECC Programme Director: +49 89 244 110 427  
Mrs Juliane Walter,  
ECC Team Assistant: +49 89 244 110 411.

We look forward to hearing from you and answering any questions.

### Convenient Accommodation

For the ENELA Conference Cycle we are pleased to offer an exclusive rate for seminar delegates at the angelo Designhotel, a 4\* business hotel within 5 minutes walking distance of the seminar venue. Please contact the hotel directly giving the booking reference "ENELA Conference Cycle". It is advisable to book early to take advantage of these special rates, as availability is guaranteed only up to 4 weeks before each seminar.

**angelo Designhotel Munich**, [www.angelo-munich.com](http://www.angelo-munich.com)  
Leuchtenbergring 20, D-81677 Munich  
Tel.: +49 89 189 0 86 0, Fax: +49 89 189 0 86 174,  
E-Mail: [info@angelo-munich.com](mailto:info@angelo-munich.com)

Single room:

101,00 € incl. German VAT per night incl. breakfast

Double room:

126,00 € incl. German VAT per night incl. breakfast



### Alternative accommodation possibilities near the conference venue include:

Holiday Inn Munich City Center, [www.HolidayInn.com](http://www.HolidayInn.com)  
Hochstrasse 3, 81669 Munich, Tel. +49 89 48030  
Single room incl. breakfast: ca. 160 €

Hilton Munich City, [www.hilton.de/muenchencity](http://www.hilton.de/muenchencity)  
Rosenheimerstrasse 15, 81667 Munich, Tel.+49 8948040  
Single room incl. breakfast:ca. 95-250 €

Motel One München-City-Ost, [www.motel-one.com](http://www.motel-one.com)  
Orleansstrasse 87, 81667 Munich, Tel. +49 89 59 97 64 90  
Single room incl. breakfast: ca. 70 €