

Dear BNS & BNS-YG members,
Dear BNS & BNS-YG friends,

The Belgian Nuclear Society has the honor to invite you to its **General Assembly** on Thursday 24.11.2011 at 18:00 at Tractebel Engineering, Av. Arianelaan 7, 1200 Brussels. The General Assembly will be followed at 18:30 by the **Evening Lecture**.

The subject of the lecture is:

"Benefits from Integrating SMRs with Renewable Energy Resources in Electricity Generation"

By D. Shropshire, European Commission - Joint Research Centre, Institute for Energy and Transport.

The evening will be concluded by a cocktail. We sincerely hope to welcome you on this occasion.

Best regards.

Grégory Delécaut
BNS Secretary

Didier Haas
BNS Chairman

Upcoming activities:

26/01/2012	18:30	Clubhouse, SCK-CEN
24/02/2012	18:30	Tractebel FORUM

*NB: Feel free to forward this invitation to your colleagues!
The participants are kindly invited to subscribe as BNS member.*



Belgian Nuclear Society

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A.S.B.L.-V.Z.W.

Non Profit Organisation

www.bnsorg.eu

siège social - sociale hoofdzetel c/o SCK-CEN

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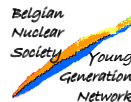
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"BENEFITS FROM INTEGRATING SMRs WITH RENEWABLE ENERGY RESOURCES IN ELECTRICITY GENERATION"

D. Shropshire (European Commission)

- Thursday 24/11/2011
 - 18:00 General Assembly
 - 18:30 Evening Lecture
 - Tractebel Engineering - Forum
 - Av. Arianelaan 7- 1200 Brussels
-

*BNS General Assembly
and
Evening Lecture*



Belgian Nuclear Society

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“Benefits from Integrating SMRs with Renewable Energy Resources in Electricity Generation”

Nuclear power supports the goals of the European Union low-carbon society by being a dependable source of energy, while emitting no CO₂.

SMRs could supply balancing electricity to even out the supply from renewable resources. Current nuclear technology has the capability for a degree of load-following, and future reactors could extend this capability through increased flexibility over a wide power range.

Strategies for integrating SMRs with wind energy to reduce the daily and seasonal power variation are presented. SMRs of various types, sizes, and operational conditions could lead to the largest reductions in power variability and highest utilization of transmission resources. Technology-SMRs coupled with off-shore wind could cut the power variability of the combined system in half.

David Shropshire



Mr. Shropshire is currently on a two year assignment at the European Commission's Joint Research Centre (JRC) in Petten Netherlands.

At the JRC, he is supporting several techno-economic studies on Small and Medium-sized reactors (SMRs), nuclear cogeneration, nuclear-hybrid systems, fast neutron reactors, and advanced nuclear fuel cycles.

Previously he worked for 20 years at the Idaho National Laboratory where he supported economic and systems analysis studies on the Advanced Fuel Cycle Initiative and the GenIV Program.

He has published numerous reports and papers on the economics of nuclear energy and nuclear waste management. He is a registered Professional Engineer and was the 2009/2010 Chair of the Idaho Section of ANS.

Practical Information

WHEN : Thursday 24/11/2011 at 18:00

AGENDA :

18:00 BNS General Assembly
18:30 Lecture
19:15 Questions time
19:30 Cocktail

LANGUAGE : English

RESERVATION : No reservation

PRICE : Free Entrance

WHERE : Tractebel Engineering
Av. Arianelaan, 7
1200 Brussels

ACCESS

