

## BEST SEMINARS EVER!

**W**E ARE VERY proud that the Seminars in the US and in Spain this year were the best ever, based upon our customers' feedback. The overall opinion on the 10 different Seminars ranked from 4 to 5 on a scale from 1 (bad) to 5 (excellent). Over 100 attendees from 30 organisations in North and South America, Asia and Europe participated. As the number of participating organisations and attendees continuously increases in our Seminars, we conclude that there is an increasing need for training/education in the nuclear field. And, particularly inspiring, the number of younger engineers has increased dramatically over the last 5 years.

Many of the attendees mention that the ANT International Seminars are unique – no other seminars or other educations exist that, 1) focus on technology transfer from

ANT International experts to young engineers and 2) creates an independent meeting point for experts and participants where free and critical discussions and experience exchange is both facilitated and promoted.

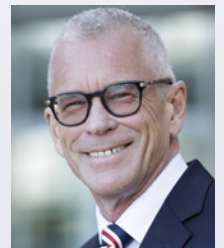
Transfer of expertise is crucial to maintain and improve nuclear safety and profitability. However, today there is a lack of senior engineers in the nuclear industry that transfer their knowledge to the young engineers, entering the nuclear field. Here we see an important role to play for ANT International.

The next step in our efforts to help in educating and training the new generation of engineers is the development of an on-line post-graduate education. This education will consist of several components such as background information from ANT International Reports, webinars on various topics and on-line tests that

need to be passed before the engineer will have access to the next section in the on-line education. After all sections have been passed, the engineer will receive a Diploma. Participating in this education/training can be done in parallel to the engineer's daily work. We plan to launch this on-line post-graduate education during 2016.

I would like to express our gratitude to all our customers that make it possible for ANT International to continuously develop new products that will help the nuclear industry to maintain and improve nuclear safety and profitability.

Yours sincerely  
Peter Rudling



## FOLLOW UP – ZIRAT & LCC SEMINARS

**T**HE ANNUAL ZIRAT and LCC Seminars were given during February and March 2015.

The ZIRAT Seminar was held in Clearwater Beach, FL and in Palma de Mallorca, Spain. A total of 45 participants' representing 25 organisations took part in the Annual ZIRAT19 Seminars. The participants overall opinion of the ZIRAT Programme was 4.6 (of a total 5).

[Read full evaluation](#)

A total of 14 participants representing 9 organizations, participated in the LCC10 Seminar in Palma de Mallorca, Spain in March 2015. The participants overall opinion of the LCC10 Programme was 4.3 (of a total 5). [Read full evaluation](#)



## Feedback from the ZIRAT/LCC Seminars:

*"I enjoyed the meeting and the interactions. The annual report always provides not only a concise summary of work worldwide in the Industry over the past year, but also knowledgeable opinions as to its meaning and significance."*

BRUCE KAMMENZIND

Bechtel Marine Propulsion Corporation

*"The ZIRAT meeting exceeded my expectations. The most valuable component of the meeting was the ability to speak directly with the ANT International experts. The depth of knowledge and understanding of all speakers in the ANT network is terrific. The size of the meeting was perfect."*

MARKUS PIRO

Canadian Nuclear Laboratories

*"Overall a very good meeting"*

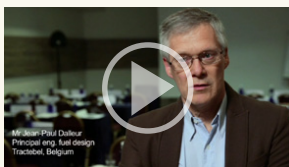
RAM BAJAJ

Bechtel Marine Propulsion Corporation

*"Excellent conference"*

MIKE KECK

Tennessee Valley Authority



Listen to Jean-Paul Dalleur, Tractebel



Listen to Frank Holzgrewe, BKW



Listen to Jorge Benavides, CNAT

*"Excellent conference, very well organized. Plenty of time for discussions outside of the presentations."*

HEATHER COX

Rolls-Royce





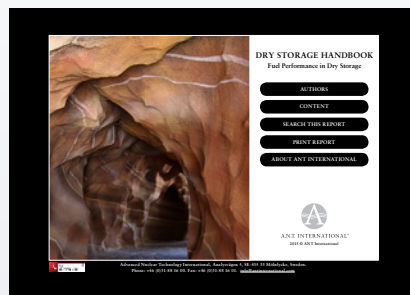
# Fuel Performance in Dry Storage

ANT International is publishing a new handbook on Dry Storage authored by Dr. Charles Patterson and Mr. Friedrich Garzarolli. The book will be delivered as a searchable CD rom with high resolution pdf files, and an optional hardcover report printed in four-colour.

The handbook will contain:

- General conditions and cross-cutting issues
- Thermal profiles and conditions
- SNF characteristics at end of reactor service life
- Cladding and fuel assembly performance
- Conclusions regarding fuel performance during dry storage

An optional one-day seminar on site will be available in 2016.



## Product Information

## Sample



For further questions and inquiries, please contact Angela Olpretean; [angela.olpretean@antinternational.com](mailto:angela.olpretean@antinternational.com) or phone; +46 (0)70-263 13 77.



## FOLLOW UP – ANTIA SEMINARS

THE ANTIA SEMINARS took place in Palma de Mallorca from March 3<sup>rd</sup>–13<sup>th</sup> 2015. In total 7 Seminars were given, all highly appreciated by 40 participants from 20 organizations.

The ANTIA Seminars covered topics on Zr Alloy Manufacturing, Zr Alloy Corrosion and Hydrogen Pickup, PWR/VVER Plant Chemistry and Corrosion, Material Degradation in LWRs, Fuel Reliability, Fuel Design Review, Thermal/Hydraulic in PWR Fuel.



ANT International  
Academy







## Feedback from the ANTIA Seminars:

### *Zr Alloy Manufacturing*

*"Excellent presentation material given in a thoroughly professional manner. Excellent interaction with regard to answering the questions raised by the audience"*

CHRISTOPHER SMITH  
Rolls-Royce

### *Zr Alloy Corrosion and HPU*

*"Excellent and informative. Gave me a lot of useful information to think about and in some cases answered questions I've been thinking about for a while"*

PETER HONNIBALL  
Rolls-Royce

### *Fuel Design Review*

*"Everything was very good. Interesting presentations with a lot of material. It is a big area to cover"*

BIRGITTA GUSTAFSSON  
OKG



Listen to Frank Holzgrewe, BKW

### *Fuel Reliability*



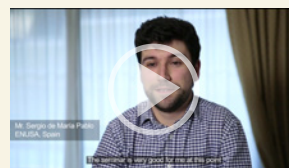
Listen to Ville Peri, Fortum

### *Material Degradation in LWRs*



Listen to Kari Mäkelä, STUK

### *PWR/VVER Plant Coolant Chem.*



Listen to Sergio de María Pablo, Enusa



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