



INTERNATIONAL CONFERENCE ON OPPORTUNITIES AND CHALLENGES FOR WATER COOLED REACTORS IN THE 21st CENTURY

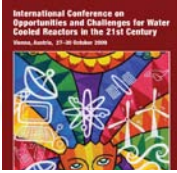
Sessions Summary

Topic 4

Safety and Performance Achievement in Current NPPs

Vienna
27-30 October 2009

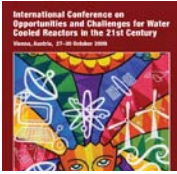
Rafael Gasca



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General:

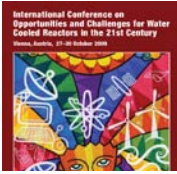
- 19 papers:
 - 13 in three oral sessions
 - 6 in a poster session
- 14 countries / organizations
- Lectures well prepared and informative
- Good level of attendance and questions
- Plant life management and life extension



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Outstanding aspects:

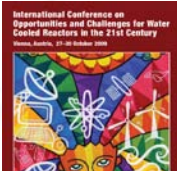
- Plant Life Management:
 - Examples, strategies and initiatives from different entities.
 - R&D activities to solve aging concerns.
 - Refurbishments to address plant aging.
- Stress corrosion cracking.
Innovative techniques, based on the use of laser (peening and welding).
- Use of risk-informed techniques (ISI, changes, etc).



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Outstanding aspects (cont.)

- Modern methodologies for:
 - accident analysis (BEPU).
 - control systems evaluation.
 - plant diagnosis (control and protection).
- Other:
Materials data base, technical support, containment integrity, gamma spectrometry, reactor dosimetry, etc...



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Conclusions

- Fruitful exchange on activities to support safe long term operation of current NPPs.
- Experiences and achievements in operating NPPs can be beneficial for design, licensing and construction of new plants.

Thanks for your attention