

T.A.G.S.I./FESI Symposium
Structural Integrity Issues: Current Worldwide Trends for Nuclear Power

TWI, Granta Park, Cambridge, UK, Tuesday, 20 April 2010

To enrol, please log on to www.eventsforce.net/TAG2010
If you have any problems, contact:
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Symposium 2010



The UK Technical Advisory
Group on the Structural Integrity
of High Integrity Plant



T.A.G.S.I./FESI

**Structural Integrity
Issues:
Current Worldwide
Trends for Nuclear
Power**

Tuesday 20th April 2010

TWI Conference Centre
Granta Park
Cambridge
UK

FESI
UK Forum for Engineering Structural
Integrity is sponsored by: Rolls-Royce,
Magnox North Sites, University of
Sheffield, Frazer-Nash Consultancy, ESR
Technology, Serco TAS, TWI, NPL,
University of Manchester, University of
Bristol, MCS (Canada), and supported by
the HSE and HSL

T.A.G.S.I.
The UK Technical Advisory Group on
the Structural Integrity of High Integrity Plant
is sponsored by:
British Energy Generation Ltd,
HSE (Nuclear Installations Inspectorate),
and MoD (Ministry of Defence)

This is the eleventh one-day meeting sponsored by the UK Technical Advisory Group on the Structural Integrity of high integrity plant (T.A.G.S.I.). This year's symposium is co-organised with the UK Forum for Engineering Structural Integrity (FESI). The theme is **Structural Integrity Issues: Current Worldwide Trends for Nuclear Power**. The symposium provides an overview of structural integrity issues for existing and future plant, including:

- 8 Activities related to UK nuclear new build
- 8 Lifetime issues for existing nuclear plant
- 8 Issues for generation IV and fusion reactors

The speakers are all leading practitioners in the nuclear industry.

Delegates will receive a booklet containing summaries of the speakers' presentations. It is planned to publish the Symposium proceedings towards the end of 2010.

Objectives

To provide an overview of structural integrity issues for existing and future nuclear plant, covering:

- ? ageing and lifetime management issues for light water reactor and advanced gas cooled reactor plant
- ? structural integrity considerations for new nuclear build in the UK and worldwide
- ? potential structural integrity issues for future Generation IV and fusion plant

Who should attend

Designers, structural assessment engineers, safety assessors, R&D specialists, university researchers, consultants.

Organising Bodies

T.A.G.S.I. (Chairman 2002-2010: Professor F M Burdekin, OBE, FEng, FRS) is an advisory body of both industrial and academic experts, which provides independent advice and peer review to the UK nuclear industry on structural integrity issues.

FESI - UK Forum for Engineering Structural Integrity (Chairman: Dr B Tomkins, FEng) provides a forum for the development and enhancement of best practice for structural integrity practitioners, for academics and across the industry sector in the UK and overseas.

Terms and Conditions

How to enrol

The delegate fee is £165.00 + VAT (£193.88), or £55.00 + VAT (£64.63) if reduced rate applies (retired persons or full-time students). Individual members and corporate sponsors of FESI receive a 10% discount. The fee includes, lunch, light refreshments and documentation.

Payment methods

Please book on-line by logging on to www.eventsforce.net/TAG2010. Delegate fees must be paid in advance of the meeting. A VAT invoice/receipt will be issued.

Cancellations

In the event of cancellation, the fees paid will be returned, less a cancellation charge of 20%. If less than 14 days' notice is given, TWI reserves the right to retain the whole fee. Cancellations must be confirmed in writing.

Who to contact

Enrolments and general enquiries:

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Structural Integrity Issues: Current Worldwide Trends for Nuclear Power

Programme	Time	Topic	Speaker
	13:30	Lifetime Material Damage Issues in AGR Plant and Related Work of TAGSI	Bob Ainsworth, British-Energy - part of EDF Energy
10:15		Introduction	John Knott, T.A.G.S.I.
Session 1		Plans for New Nuclear Plant - Chairman:	
	14:00	Rolls-Royce Use of TAGSI Output and International Collaboration in Structural Integrity Developments	John Knott
10:20		UK Nuclear New Build, Generic Design Assessment, Progress with HSE Nuclear Division's Assessment for Structural Integrity	Steve Garwood and Keith Wright, Rolls-Royce
	14:30	Tea Break	
		Session 3	
		The Longer Term Issues Chairman:	
10:50		Structural Integrity Considerations Related to EPR in Europe and Worldwide	Brian Tomkins, FESI
	14:45	The Role of Risk-Informed Methodologies in Plant Life Management	Phillipe Gilles, AREVA NP SAS
11:20		The Role of AP1000 in the USA and Worldwide	Patrick O'Regan, EPRI
	15:15	Structural Integrity Issues with Gen IV Reactor Proposals Including PBMR	Albert Vaia, Westinghouse
11:50		Discussion Session	John Knott, University of Birmingham
12:00		Lunch	
Session 2		Getting the Most Out of Existing and New UK Nuclear Plant Chairman:	
	15:45	Structural Integrity Issues Foreseen with Fusion Plant	Christoph Wiesner, TWI
	16:15	Discussion Session	Steve Cowley, UKAEA Culham
13:00		Ageing and Structural Integrity Issues in Nuclear Power Plants	
	16:30	Closing remarks	Jean-Pierre Hutin, EDF R&D
	16:45	Departure	Michael Burdekin, T.A.G.S.I.