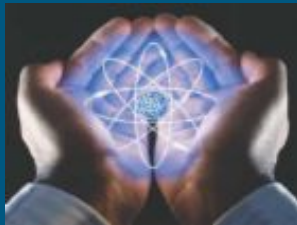




# ASME NUCLEAR CODES AND STANDARDS

Supporting New Build and  
Nuclear Manufacturing in South Africa



## Workshop Program

October 7-8, 2008

Technical Tour – October 9

Industrial Development Corporation  
Training & Conference Center  
Sandton, South Africa

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Welcome to this ASME Nuclear Codes and Standards Workshop. Originating in 1914, the ASME Boiler and Pressure Vessel Code has been serving and protecting the public for 94 years. ASME stands ready to support new build and nuclear manufacturing in South Africa. ASME codes and standards can be applied to many of the current plant designs being marketed, including the AP1000, EPR and PBMR. ASME's codes & standards for component design and fabrication, as well as our quality assurance, certification and inspection programs are widely recognized and used by manufacturers around the globe.

**8:30**

### Welcome Remarks

#### Speakers

- Geoffrey Qhena - CEO, Industrial Development Corporation
- Jaco Kriek - CEO, PBMR
- Bernie Hrubala - Senior Vice President, ASME Codes and Standards
- Bryan Erler - Vice President, ASME Nuclear Codes and Standards

**9:00**

### Keynote Address – South African and US Nuclear Industry Overview

- Long Term Nuclear Strategy
- Regulatory Framework
- Financing

#### Speakers

- Van Zyl de Villiers - General Manager: Research and Development, Nuclear Energy Corporation of South Africa
- Michael Mayfield - Director of Engineering, Office of New Reactors, US Nuclear Regulatory Commission

**10:00**

### Break

**10:30**

### Session 1: ASME Nuclear Conformity Assessment Program

#### Speakers

- Bernie Hrubala - TUV Rheinland of North America; Senior Vice President, ASME Codes and Standards

**11:30**

### Session 2: Nuclear Quality Assurance

#### Speakers

- Wil LaRoche - HSB Global Standards; Vice President Elect, ASME Conformity Assessment

**12:15**

### Lunch

**13:45**

### Session 3: ASME Section III – Nuclear Facility Component Design and Construction

#### Speakers

- Ralph Hill - Westinghouse Electric Company; Member, ASME Board on Nuclear Codes and Standards
- Bryan Erler - Erler Engineering; Vice President, ASME Nuclear Codes and Standards
- Rick Swayne - Reedy Engineering; Member, ASME Board on Nuclear Codes and Standards
- John Fletcher - PBMR; Chair, ASME Special Working Group on High Temperature Gas Cooled Reactors

**17:45**

### Delegate Reception

**19:15**

### Adjourn



The ASME Continuing Education Institute (CEI) is a leading provider of training for engineers and technical professionals. From scheduled short courses, online classes, "webinars", and onsite corporate programs, we offer courses that are tailored to meet the needs of the nuclear industry.

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<http://www.asme.org/Education/Courses/>

To bring an expert instructor to teach at your company call Olga Lisica at +1 212 591 7843 or email [LisicaO@asme.org](mailto:LisicaO@asme.org)

# Program Agenda:

## Day Two – Wednesday, October 8

## Day Three – Thursday, October 9

### Day 2 Workshop Sessions Continue

### Day 2 Workshop Sessions Continue

### Day 3 Optional Plant Tour

**8:30** **Session 4: ASME Section XI - Inservice Inspection and Testing of Nuclear Power Plant Components**  
Speaker  
➤Rick Swayne – Reedy Engineering; Member, ASME Board on Nuclear Codes and Standards

**9:30** **Session 5: Procurement Strategy for the South African Nuclear Program**  
•Equipment and manpower needs  
•Supply Chain  
•Import strategy  
Speakers  
➤Edwin Ritchken - Department of Public Enterprises and Program Manager: TSAPRO

**10:15** Break

**10:45** **Session 6: Doing Business with the US: Part I – Importing from the US to South Africa**  
•US Export rules  
•Technology transfer  
•Meeting South African regulations  
•Codes and standards  
Speakers  
➤Edward McDonough – Manager Export, Import & Technology Compliance, Westinghouse Electric Company  
➤Mpho Phaloane - Senior Manager: Mechanical and Physical, South African National Accreditation System  
➤Malcolm Europa – National Nuclear Regulator

**12:00** **Lunch**

**13:30** **Session 7: Doing Business with the US: Part II - Exporting Nuclear Components to the US Market**  
•Potential size of the market  
•Procurement and supply chain issues  
•Codes, standards and regulatory issues  
Speakers  
➤Michael Mayfield - Director of Engineering, Office of New Reactors, US Nuclear Regulatory Commission  
➤Mahendra Patel – Manager, Demand Planning, Westinghouse Electric Company

**15:15** **Break**

**15:45** **Session 8: Codes and Standards Needs for South Africa**  
Speakers  
Neil Broom – PBMR; Member, ASME Special Working Group on High Temperature Gas Cooled Reactors

•How South Africa can participate in the consensus standards process

Speaker  
➤Mark Sheehan – Managing Director, Codes and Standards Development, ASME

**16:45** **Workshop Summary and Potential Actions**  
Gert Claassen – Secretariat, NIASA  
Bryan Erler - Vice President, ASME Nuclear Codes and Standards

**17:30** **Adjourn Meeting**

### Day 3 - Thursday, October 9

**7:30** **Plant Tour to Columbus Stainless (Pty) Ltd.**  
Columbus Stainless is a producer of stainless steel flat products located in Middelburg. The company will host a visit to their factory on Thursday 9 October 2008. Buses will depart from the IDC Training and Conference Center at 07:30 and return at approximately 16:00. The visit will include a lunch at the factory.

Due to limited space, delegates that did not pre-register for the tour will be accommodated on a "first come, first served" basis.

**For information on ASME codes, standards, conformity assessment and other programs visit:  
[www.asme.org](http://www.asme.org)**

# ASME NUCLEAR CODES AND STANDARDS

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July 12 - 16, 2009

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