

**IIW INTERNATIONAL CONGRESS**  
**“WELDING AND INSPECTION TECHNOLOGY**  
**FOR THE DEVELOPMENT OF SOUTHERN AFRICA”**  
**8 - 10 MARCH 2006**  
**STELLENBOSCH, SOUTH AFRICA**

This IIW International Congress is organised by the Southern African Institute of Welding (SAIW).

**Congress topics**

This Congress will focus on fields of activity which are especially relevant to the region:

- Off-shore oil and gas exploration, extraction and beneficiation,
- Transportation,
- Power generation,
- Construction,
- Petrochemical and Refinery,
- Automotive.

Papers will be presented by an outstanding mix of international and Southern African speakers giving a perspective of the prospects for advanced technology together with some of the issues surrounding its application in a developing region.

**Congress venue**

The congress will be held at Spier Estate, which is centrally located, just 10 minutes by road from the historic town of Stellenbosch, 15 minutes from Cape Town International Airport and 30 minutes from Cape Town.

There are opportunities for display tables at the congress and interested parties should contact the congress organisers for additional information.

**Social Programme**

Two half-day tours have been arranged for Accompanying Persons: Table Mountain and Cape Town orientation, Franschhoek wine tasting.

**Organising committee**

Southern African Institute of Welding (SAIW).

Tel: +27 11 374-0002,

Fax: +27 11 836-6014

E-Mail: [congress@saiw.co.za](mailto:congress@saiw.co.za)

Web site: <http://www.saiw.co.za>

# 8<sup>TH</sup> INTERNATIONAL SEMINAR

## “NUMERICAL ANALYSIS OF WELDABILITY”

### 25 - 27 SEPTEMBER 2006

### GRAZ - SEGGAU, AUSTRIA

The seminar is organized by the Institute for Materials Science, Welding and Forming of the Graz University of Technology under the sponsorship of IIW Commission IX, Working Group “Mathematical Modelling of Weld Phenomena”.

#### Objectives of the 8<sup>th</sup> International Seminar 2006

The following items (among others) of development and application of numerical analysis shall be discussed:

- Melt pool and arc phenomena,
- Solidification,
- Microstructural modelling in weld metal and heat-affected zone,
- Microstructure and mechanical properties,
- Influence of post weld heat treatment,
- Crack phenomena and testing methods,
- Residual stresses and distortion,
- Hydrogen effects,
- Special welding processes,
- Modelling tools and computer programs.

#### Invitation and Call for papers

- Deadline for the submission of abstracts: **April 1<sup>st</sup> 2006**,
- Authors will be informed about the acceptance of their paper until **May 1<sup>st</sup> 2006**,
- Deadline for the submission of final papers: **September 1<sup>st</sup> 2006**,
- Author guidelines are available on the web site.

#### Publications

After a peer review process, the contributions will be published in a book similar to the previous seminars.

#### IIW-Kenneth Easterling Best Paper Award

This award, which is sponsored by the Institute for Materials Science, Welding and Forming of Graz University of Technology, will be presented for the third time.

#### Venue

This Seminar will take place at Schloss Seggau, the former bishop residence in the Styrian wine area 40 km south of Graz, Austria.

#### Seminar Organisation

Chairman:	H. Cerjak Institute for Materials Science, Welding and Forming, Graz University of Technology Kopernikusgasse 24 A - 8010 GRAZ
Responsible person:	Ernst Kozeschnik
Tel.:	+43 (316) 873-4304
Fax:	+43 (316) 873-7187
Contact:	office@iws.tugraz.at ernst.kozeschnik@tugraz.at
Web site:	<a href="http://iws.tugraz.at/seggau.html">http://iws.tugraz.at/seggau.html</a>

# COMING EVENTS

## *IIW events*

<b>8 - 10 March 2006 Stellenbosch (South Africa)</b>	IIW International Congress	Southern African Institute of Welding (SAIW) Tel: +27 11 374-0002 Fax: +27 11 836-6014 E-Mail: congress@saiw.co.za Web site: <a href="http://www.saiw.co.za">http://www.saiw.co.za</a>
<b>24 - 26 May 2006 Timisoara (Romania)</b>	IIW International Congress	
<b>27 August - 2 September 2006 Québec City (Canada)</b>	59 <sup>th</sup> IIW Annual Assembly	Canadian Council of the IIW Web site: <a href="http://www.iiw2006.com">http://www.iiw2006.com</a>
<b>25 - 27 September 2006 Graz - Seggau (Austria)</b>	8 <sup>th</sup> International Seminar "Numerical Analysis of Weldability"	Institute for Materials Science, Welding and Forming of the Graz University of Technology Web site: <a href="http://iws.tugraz.at/seggau.html">http://iws.tugraz.at/seggau.html</a>
<b>March - April 2007? Sidney (Australia)</b>	IIW International Congress	
<b>2007 - Croatia</b>	60 <sup>th</sup> IIW Annual Assembly	Hrvatsko Društvo za Tehniku Zavarivanja
<b>2008 - Austria</b>	61 <sup>st</sup> IIW Annual Assembly	
<b>2009 - Singapore</b>	62 <sup>nd</sup> IIW Annual Assembly	
<b>2010 - Ukraine</b>	63 <sup>rd</sup> IIW Annual Assembly	
<b>2011 - India</b>	64 <sup>th</sup> IIW Annual Assembly	

**Other welding events**

<b>13 - 16 November 2005 Chicago (USA)</b>	AWS Welding Show and FABTECH International 2005	Web site: <a href="http://www.sme.org/events">www.sme.org/events</a> or <a href="http://www.aws.org/conferences">www.aws.org/conferences</a> Operations manager: Tom Davis E-mail: <a href="mailto:tdavis@aws.org">tdavis@aws.org</a> Tel.: + 1 800 443 9353, ext. 231
<b>15 - 18 May 2006 Seattle/Washington (USA)</b>	ITSC 2006 - International Thermal Spray Conference (with exposition)	DVS (German Welding Society) ASM
<b>20 - 22 September 2006 Aachen (Germany)</b>	Große Schweißtechnische Tagung (DVS annual meeting)	DVS (German Welding Society) Conference Department Tel.: + 49 (0) 211/1591-302/ -303 Fax: + 49 (0) 211/1591-300 E-mail: <a href="mailto:tagungen@dvs-hg.de">tagungen@dvs-hg.de</a> Web site: <a href="http://www.dvs-ev.de/termine/events.htm">www.dvs-ev.de/termine/events.htm</a>
<b>19 - 21 June 2007 Aachen (Germany)</b>	8 <sup>th</sup> International Conference on Brazing, High temperature Brazing and Diffusion Bonding	
<b>19 - 21 September 2007 Essen (Germany)</b>	Große Schweißtechnische Tagung (DVS annual meeting)	DVS (German Welding Society) Conference Department Tel.: + 49 (0) 211/1591-302/ -303 Fax: + 49 (0) 211/1591-300 E-mail: <a href="mailto:tagungen@dvs-hg.de">tagungen@dvs-hg.de</a> Web site: <a href="http://www.dvs-ev.de/termine/events.htm">www.dvs-ev.de/termine/events.htm</a>
<b>September 2008 Dresden, Leipzig or Schwerin? (Germany)</b>	Große Schweißtechnische Tagung (DVS annual meeting)	DVS (German Welding Society) Conference Department Tel.: + 49 (0) 211/1591-302/ -303 Fax: + 49 (0) 211/1591-300 E-mail: <a href="mailto:tagungen@dvs-hg.de">tagungen@dvs-hg.de</a> Web site: <a href="http://www.dvs-ev.de/termine/events.htm">www.dvs-ev.de/termine/events.htm</a>