

**The 7th International Seminar on
Advances in Resistance Welding
12-14 September 2012, Busan, Korea**

ANNOUNCEMENT

Organisers:

[SWANTEC Software and Engineering ApS](#), Denmark
[I • S Korea Co., Ltd.](#), Korea

Background:

New inventions and innovative developments in recent years have enabled new possibilities for joining challenging materials such as advanced high strength steels, aluminium alloys, and with adhesives. With extensive research and development by material suppliers, welding equipment manufacturers and industrial end users, it is obvious to see that resistance welding remains one of the most efficient and competitive joining technologies in automotive, aerospace, electrical, electronics, white goods and other metal processing industries.

In order to meet the demands of industry to follow the recent advances in the technology available in the field of resistance welding, a series of international seminars on Advances in Resistance Welding have been initiated by SWANTEC since 2000 and now organised as a biennial international event. The 1st seminar was held in October 2000 in Copenhagen, Denmark; the 2nd was held in November 2002 in Aachen, Germany; the 3rd was held in November 2004 in Berlin, Germany; the 4th seminar was held in November 2006 in Wels, Austria; the 5th was held in September 2008 in Toronto, Canada; while the 6th was held in September 2010 in Hamburg, Germany.

All lectures at the seminars were given by well-known experts specially invited from leading institutes and companies in the field of resistance welding with full coverage of all important topics on materials, welding equipment, innovations and the latest industrial applications. The seminars have been well attended with more than 80% participants coming from industry.

The 7th seminar will be organized by SWANTEC and I S Korea on 12-14 September 2012 in Busan Korea. Approximately 20 lectures will be given by invited experts in the field of resistance welding from leading institutes and companies to cover the latest inventions and developments in resistance welding with special emphasis on adaptive welding controls and applications for challenging materials which are difficult to weld *e.g.* aluminium alloys, adhesives and advanced high strength steels, etc.

Objectives:

- To bring up the latest innovations and developments on industrial applications of resistance welding.
- To provide an opportunity for industrialists and specialists in resistance welding to share their expertise and experiences at an international level.

Topics:

- Challenges to resistance welding for applications of new materials and complex joints.
- Innovations and advances in resistance welding machines/guns and control technologies.
- Applications and optimisations of resistance welding with the support of computer technology.

Proceedings:

Proceedings of all lectures will be written in English and distributed to participants at the seminar. Presentations will be presented in English.

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PRELIMINARY PROGRAMME

Wednesday, 12 September 2012:

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| 12:00 – 13:00 | Lunch, provided |
| 13:00 – 17:00 | Workshop on SORPAS[®] and User Group Meeting
Presentations and discussions from developers and users of the simulation software |
| 18:00 – 20:00 | Reception and buffet |

Thursday, 13 September 2012:

- | | |
|---------------|---|
| 09:00 – 09:15 | Welcome |
| 09:15 – 10:00 | Keynote speech |
| 10:00 – 12:00 | Session 1: Resistance welding of challenging materials
Latest developments on welding Aluminium alloys, adhesives, AHSS |
| 12:00 – 13:00 | Lunch, provided |
| 13:00 – 14:30 | Session 2: Advanced welding control technologies
Advanced welding control technologies |
| 14:30 – 15:00 | Coffee break |
| 15:00 – 17:00 | Session 3: Developments in welding machines and testing techniques
New welding equipment and testing techniques |
| 19:00 – 22:00 | Dinner, provided |

Friday, 14 September 2012:

- | | |
|---------------|--|
| 09:00 – 10:30 | Session 4: Process optimizations and applications
Practical applications and welding parameter optimizations |
| 10:30 – 11:00 | Coffee break |
| 11:00 – 12:00 | Session 5: Special processes and micro welding applications
Improving quality for special processes and micro welding applications |
| 12:00 – 13.30 | Closing remarks and Lunch, provided |

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REGISTRATION

Participant:

Name: _____ Ms. Mr. Dr. Prof.

Organization: _____

Address: _____

Postal or Zip: _____ City: _____

Country: _____

Phone: _____

Fax: _____

E-mail: _____

Participation:

Seminar

**Registration before
1st August 2012**

€395

**Registration after
1st August 2012**

€425

All prices are exclusive of any applicable taxes and/or fees.

Payment:

Bank transfer to **SWANTEC Software and Engineering ApS**:
Danske Bank, DTU-Branch, 2800 Lyngby, Denmark.
SWIFT: DABA DK KK. IBAN: DK3630004263877810
Notice: Your name in the transfer is necessary for identification.

Check/cheque enclosed
Please make check payable to **SWANTEC Software and Engineering ApS**

Send invoice to me
VAT registration number of your organisation (EU countries only): _____

Please return to:

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