

Wireless Surface Acoustic Wave Sensor Symposium

Passive sensors for harsh and critical environment

www.saw-symposium.com

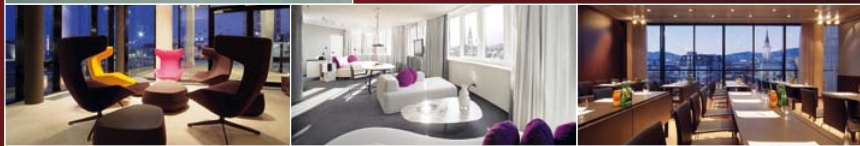
Symposium Location

The symposium takes place in the heart of Carinthia. The surrounding invites you to explore the natural beauty of the mountains and lakes, historic towns and castles as well as cultural and culinary traditions. The location is also a perfect starting point for excursions to Italy (Venice, Trieste) and Slovenia (Ljubljana).



Holiday Inn/Villach
Europaplatz 1-2
9500 Villach
Austria

Participants can book their accommodation directly at the hotel; alternative proposals for accommodation are available at the symposium website www.saw-symposium.com



Call for Abstracts

The organisers invite prospective authors to submit abstracts for lectures (10 min oral presentation / 5 min discussion) relating to the symposium topics. Authors will find all the relevant information on the symposium website www.saw-symposium.com. All submitted abstracts will be evaluated and accepted authors will be notified.

The deadline for the submission of abstracts is **August 9th, 2012**.

Abstracts should relate to one of the following **subject areas**:

- Potential industrial applications of wireless sensing, challenges, needs
- Wireless tracking in harsh environments
- Wireless sensors for process control quality improvement
- Recent developments for SAW sensors

Program committee:

- Leonhard M. Reindl, IMTEK, Freiburg
- Alfred Binder, CTR AG, Villach

Registration Fee

The registration fee includes admission to the technical program, refreshments during coffee breaks, lunch and networking dinner.

- **€ 300,-** Early bird registration *on or before June 15th, 2012*
- **€ 370,-** Registration *on or before August 9th, 2012*
- **€ 400,-** Late / On-site registration

→ Please use the **online registration form** on www.saw-symposium.com/registration. Thank you!

For further information about the symposium venue, traveling directions and registration please visit the symposium website.

Information

Symposium Chairman:

Alfred Binder
CTR Carinthian
Tech Research
www.ctr.at
Austria



Symposium Organisation:

CTR Carinthian Tech Research AG
Evelyne Ritsch
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We are looking forward to welcome you in Carinthia.

Online registration:
www.saw-symposium.com/registration

Wireless Surface Acoustic Wave Sensor Symposium

Passive sensors for harsh and critical environment

SAW
Symposium
2012

Wireless
Surface
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Wave
Sensor
Symposium

Scope

The SAW Sensor Symposium is the exchange platform for research and industry to discuss the latest trends in the surface acoustic wave sensor technology. The symposium is held biennially and will take place for the second time in 2012.

Wireless SAW sensors have a wide field of application, for example RFID transponders for harsh environment, temperature sensors, pressure and force sensors and many more. The wireless SAW sensor symposium wants to build bridges between ideas and applications, between what may be possible and what has been done already. Therefore, the program covers the latest research from the academia and application-related talks from industrial end users.

With the momentum of our successful first symposium, I am looking forward to the next event with old and new attendees, novelty presentations and fruitful discussions.

Alfred Binder

mining

medical
engineering



steel production

injection
moulding

electrical drives

automotive

oil & gas

Program

Thursday, September 20th, 2012

- 11:00** Registration
- 13:00** Introduction
Alfred Binder, CTR AG, Austria
- 13:10** Genes, Talents, Chances and Innovation
Markus Hengstschläger, Medical University of Vienna, Austria
- 14:00** Sc doped AlN: A New Piezoelectric Thin Film for SAW Sensor Applications
Ken-ya Hashimoto, Chiba University, Japan
- 14:30** AlN/Sapphire, a promising piezoelectric structure for high-temperature SAW applications
Thierry Aubert, Université de Savoie, France
- 15:00** Coffee break
- 15:45** Recent advances in resonator based high temperature SAW-sensing
Bert Wall, Vectron International GmbH, Germany
- 16:15** Temperature tracking in Continuous Cast Moulds using SAW sensors
Guido Michelin, SMS Concast, Italy
- 17:15** Acoustic Event & Dinner

Friday, September 21st, 2012

- 9:00** IC-based or SAW based wireless sensor nodes?
Leonhard M. Reindl, Albert-Ludwigs-University of Freiburg, Germany
- 9:30** Combined Pressure, Temperature and ID Sensor
Alfred Binder, CTR AG, Austria
- 10:00** SAW sensors for medical applications
Peter Schlumpf, Unisensor AG, Switzerland
- 10:30** Coffee break
- 11:00** Session I
(Call for abstracts)
- 12:30** Lunch
- 14:00** Session II
(Call for abstracts)
- 15:30** Coffee break
- 16:00** Session III
(Call for abstracts)
- 17:00** Closing of Symposium



oil & gas

mining

electrical drives

steel production

aircraft industry