

Wireless passive sensors for harsh environments

www.saw-symposium.com

Conference Location

The symposium takes place in the heart of the Carinthia region. The surroundings invite you to explore the natural beauty of the mountains and lakes, historic towns and castles and cultural and culinary traditions. The location is also a perfect starting point for excursions with Italy (Venice, Trieste) and Slovenia (Ljubljana) just around the corner.



Carinthia, Faakersee
Hotel Karnerhof
9580 Egg am Faaker See
Austria

A selection of hotel rooms have been reserved.

Registration Fee

The registration fee includes admission to the technical program, refreshments during the official breaks, lunch, the networking dinner and the cost of overnight stay.

- **€ 300,-** Early bird registration *on or before July 15th, 2010*
- **€ 340,-** Registration *on or before September 15th, 2010*
- **€ 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, travel directions, registration and cancellation please visit the symposium website.

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Call for Abstracts

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

The deadline for the submission of abstracts is **September 15th, 2010**.

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:

- Prof. Michiel Vellekoop, TU Vienna
- Prof. Leonhard M. Reindl, IMTEK Uni Freiburg
- Dr. René Fachberger, CTR Villach

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automotive

aircraft
industry

electrical drives

medical engineering

injection moulding

Information

Conference Chairman:

DI Alfred Binder
CTR Carinthian
Tech Research
www.ctr.at
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Conference Organisation:

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We look forward to welcoming you in Carinthia.

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

Wireless passive sensors for harsh environments

SAW Symposium 2010
Wireless Surface Acoustic Wave Sensor Symposium

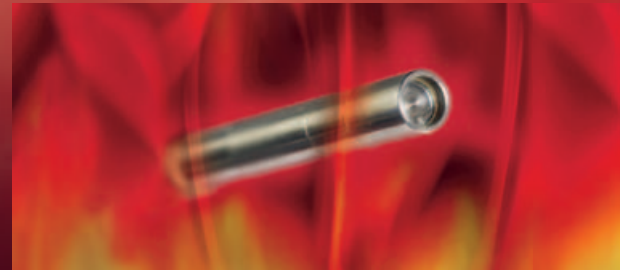
Scope

Wireless sensors have a wide range of applications such as environmental monitoring, tracking and tracing, engine metrology, safety and many more. In addition to these applications, passive sensors have a high future potential, because not only do they replace existing sensors, they actually make new sensing applications possible.

Surface acoustic wave (SAW) sensors, an offspring of precision filters used in mobile communication devices, have recently been developed for wireless sensing applications in the industry.

The wireless SAW sensor symposium will bring together the science and the industry. The program covers introductory talks on the technology, potential industrial applications and installed pilot applications. The goal of the event is to create a platform for cross-pollination of ideas between science and industry on wireless SAW sensor technology while acting as inspiration for innovative and as yet unknown applications.

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Thursday, November 11th, 2010

- 15:00 Registration
- 17:00 Welcome Speech
Roland Waldner, PHILIPS, Austria
"The long and winding road towards Innovation-Culture"
- 18:00 Acoustic Event
- 19:00 Networking Dinner

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Program

Friday, November 12th, 2010

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|---|---|
| <ul style="list-style-type: none"> 8:30 Introduction Alfred Binder 8:45 Keynote I:
Victor Kalinin
TRANSENSE, England
"Wireless Resonant SAW Sensors for Automotive Applications" 9:15 Keynote II:
Omar Elmazria
LPMIA, France
"Langasite and AlN/Sapphire as substrates for Wireless SAW sensor operating in harsh environments" 9:45 Coffee break 10:30 Keynote III:
René Fachberger
CTR, Austria
"Applications of wireless SAW sensing in the steel industry" 11:00 Keynote IV:
Victor Plessky
GVR Trade SA, Switzerland
"UWB SAW-tags?" 11:30 Keynote V:
Marc Loschonsky
SENSEOR, France
"Temperature and stress measurements on rotating machinery for industrial applications" | <ul style="list-style-type: none"> 12:00 Lunch 13:30 Keynote VI:
Sylvain Ballandras
FEMTO-ST, France
"Accurate wireless temperature measurements using passive SAW sensors and a frequency modulation interrogation approach" 14:00 Session I
(Call for abstracts) 15:00 Coffee break 15:30 Session II
(Call for abstracts) 16:30 Final discussion 16:45 Close of Symposium |
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