Welcome to the
EUROSENSORS XXIV
September 5 – 8, 2010
Linz, Austria

http://www.eurosensors2010.com

Hosting Organisations
Johannes Kepler University Linz (JKU), Austria
Austrian Center of Competence in Mechatronics (ACCM), Austria

General Conference Chair
Bernhard Jakoby, Johannes Kepler University Linz, Austria

Technical Program Committee Chair
Michiel J. Vellekoop, Vienna University of Technology, Austria

Local Chair
Christian G. Diskus, Johannes Kepler University Linz, Austria

Contents
Program at a Glance..........................2
Technical Session Schedule ...............2
Keynote Speakers............................2
Invited Speakers............................3
Coffee Breaks and Lunch..................3
Proceedings..................................3
Journal Special Issue.......................3
Euroensors School..........................4
Conference Venue...........................5
Campus......................................5
Exhibition....................................6
Floor Plan....................................7
Registration Desk...........................8
Lecture Presentation Information.........8
Poster Presentation Information.........8
WLAN Web Connectivity....................9
Lunch........................................9
Restaurants.................................10
Social Program (included in every registration)..........................11
Downtown Linz..............................11
Farewell Reception.........................12
Travel to and in Linz........................13
Train..........................................13
City Traffic: Linz AG.......................13
Arrival by Air...............................13
Arrival by Car...............................13
Public Transport: Linz AG................14
Further Information.........................15
Tourist Information.........................15
Credit Cards / Cash Machines..........15
Mains Supply...............................15
Local currency.............................15
Tips..........................................15
Conference Sponsors.......................15
Technical Program Overview............17
Program at a Glance

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunday, September 5, 2010</td>
<td>09:00 – 18:00</td>
<td>Eurosensors School (separate registration required)</td>
</tr>
<tr>
<td></td>
<td>17:00 – 20:00</td>
<td>Registration &amp; Infopoint</td>
</tr>
<tr>
<td></td>
<td>18:00</td>
<td>Informal Welcome Reception</td>
</tr>
<tr>
<td>Monday, September 6, 2010</td>
<td>08:00 – 18:00</td>
<td>Registration &amp; Infopoint</td>
</tr>
<tr>
<td></td>
<td>09:00 – 11:00</td>
<td>Opening and Keynote Sessions I &amp; II</td>
</tr>
<tr>
<td></td>
<td>11:30 – 13:00</td>
<td>Lecture Sessions</td>
</tr>
<tr>
<td></td>
<td>14:30 – 16:00</td>
<td>Poster Sessions</td>
</tr>
<tr>
<td></td>
<td>16:00 – 17:30</td>
<td>Lecture Sessions</td>
</tr>
<tr>
<td></td>
<td>19:30 – 22:00</td>
<td>Official Reception in Downtown Linz</td>
</tr>
<tr>
<td>Tuesday, September 7, 2010</td>
<td>08:00 – 16:00</td>
<td>Registration &amp; Infopoint</td>
</tr>
<tr>
<td></td>
<td>09:00 – 10:00</td>
<td>Keynote Session III</td>
</tr>
<tr>
<td></td>
<td>10:00 – 13:00</td>
<td>Lecture Sessions</td>
</tr>
<tr>
<td></td>
<td>14:30 – 16:00</td>
<td>Poster Sessions</td>
</tr>
<tr>
<td></td>
<td>16:00 – 17:30</td>
<td>Lecture Sessions</td>
</tr>
<tr>
<td></td>
<td>19:00 – 19:30</td>
<td>Boarding Ship</td>
</tr>
<tr>
<td></td>
<td>19:30 – 22:30</td>
<td>Conference Banquet on Danube River Cruise</td>
</tr>
<tr>
<td>Wednesday, September 8, 2010</td>
<td>08:00 – 16:00</td>
<td>Registration &amp; Infopoint</td>
</tr>
<tr>
<td></td>
<td>09:00 – 12:30</td>
<td>Lecture Sessions</td>
</tr>
<tr>
<td></td>
<td>14:00 – 15:30</td>
<td>Poster Sessions</td>
</tr>
<tr>
<td></td>
<td>15:30</td>
<td>Closing Session &amp; Informal Farewell Reception</td>
</tr>
</tbody>
</table>

Technical Session Schedule
The detailed technical program is available on the website and will be part of the conference booklet. You will find a session overview on the last page of this document.

Keynote Speakers
This year, the Eurosensors conference presents three keynote speakers from industry.

The medium sized company Sensirion AG located near Zurich in Switzerland has grown from a start-up to 170 employees today in 12 years, amongst others developing sensors for flow, humidity, and pressure. The managing director, Dr. Felix Mayer will discuss innovation for commercial sensors. A1L-A, Monday, 09:30, Room 1.

From BMW in Munich, the head of the Development Mechatronics/Driving Functions department, Dr. Thomas Tille, will present “Automotive Requirements for Sensors using Air-Quality Gas Sensors as an example”. A2L-A, Monday, 10:15, Room 1.

In Delfgauw, The Netherlands, the small sensor company Xensor Integration BV develops and produces client-specific integrated sensors, but also offers a series of standard silicon sensors. The managing director Dr. Sander van Herwaarden will talk about in-company sensor research and development, also illustrated with one or two examples. B1L-A, Tuesday, 09:10, Room 1.
Together, these three keynote presentations will give insight in the requirements and needs for sensors to become commercially successful. The talks will be of interest not only for junior and senior sensor researchers, but also for R&D- and market officers from many branches of industry.

**Invited Speakers**

Eight scientists have been invited to present a paper on their topic of research. They have been selected from a list that was made up of nominations from TPC members. Invited talks receive a slot of 30 min. for the presentation.

Winnie Svendsen, Technical University of Denmark (DTU), Nanotech, Lyngby, DK: "Micro and nano-platforms for biological cell analysis", A3L-B, Monday, 11:30, Room 2

Isabelle Dufour, University of Bordeaux, IMS, FR: "Unconventional uses of cantilevers for chemical sensing in gas and liquid environments", C1L-B, Wednesday, 09:00, Room 2

Thorsten Kern, Continental Automotive GmbH, DE: "Requirements and design considerations for the measurement of haptic object properties", B3L-D, Tuesday, 11:45, Room 7

Hubert Zangl, Graz University of Technology, AT: "Capacitive sensors uncovered: measurement, detection and classification in open environments", A5L-B, Monday, 16:00, Room 2

Francisco Arregui, University of Navarra, Pamplona, ES: "Optical fiber sensors based on layer-by-layer nanostructured films", C2L-A, Wednesday, 11:00, Room 1

Kofi Makinwa, Delft University of Technology, NL: "Smart temperature sensors in standard CMOS", B5L-B, Tuesday, 16:00, Room 2

Giovanni Boero, Ecole Polytechnique Fédérale de Lausanne (EPFL), SUI: "Electron spin resonance sensors", B5L-D, Tuesday, 16:00, Room 7

Srinivas Tadigadapa, Penn State University, PA, USA: "Piezoelectric MEMS - Challenges and Opportunities", B2L-A, Tuesday, 10:00, Room 1

**Coffee Breaks and Lunch**

Coffee and soft drinks will be available during coffee breaks in designated areas (close to registration desk). Lunch will be available in the “Mensa” on the ground floor of the Uni-Center (see also p.9). Coupons will be provided in your registration package.

**Proceedings**

Program booklet and conference CD have been created in cooperation with ePapers ([http://www.epapers.org](http://www.epapers.org)) and Elsevier and will be available in the delegate package. The official final proceedings will be published online by Elsevier (Procedia Engineering).

**Journal Special Issue**

Selected papers based on the conference contributions will be published in Special Volumes of *Sensors and Actuators A: Physical* and *B: Chemical* after the standard journal reviewing process. The Guide for Authors can be found on [http://ees.elsevier.com/sna](http://ees.elsevier.com/sna) and [http://ees.elsevier.com/snb](http://ees.elsevier.com/snb), the submission deadline for this will be September 30, 2010.
**Eurosensors School**

These lectures on Sunday will be given at the graduate level and will span from the scientific basic principles to the implementation in actual devices. They are intended for PhD students and young researchers in the field, researchers who have recently entered the interdisciplinary field of sensors and actuators, and for colleagues who want to brush up their fundamental knowledge in certain fields.

**Instructors and Topics**

**Prof. Dr. Ulrich Schmid, Vienna University of Technology:**
"Introduction to Microsystems Technology"
- Introduction to MEMS-based markets and applications
- Materials for MEMS devices and their properties
- Most relevant technologies for MEMS fabrication
- Selected examples for bulk- or surface micromachined MEMS devices

**Assoc. Prof. Dr. Hubert Zangl, Graz University of Technology:**
"Analog Signal Processing and Conditioning for Sensor Signals"
- The lecture investigates different measurement methods, the measurement chain, measurement amplifiers, analog signal transmission and analog to digital converters regarding their impact on the signal to noise ratio, the system dynamics and the suppression of undesired influences.

**Prof. Dr. Siegfried Bauer, Johannes Kepler University Linz:**
"Organic Materials for Sensors and Actuators"
- Mechanical properties of polymers and elastomers
- Flexible sensors (large area interactive screens, pressure and temperature sensors)
- Flexible circuits (transistors, memories)
- Conformable electronics (displays, hemispherical photo sensors)
- Elastomer actuators and energy harvesters

**Dr. Martin Brandl, Danube University Krems:**
"Optical Sensors for Biomedical Applications"
- Physical principles of optical sensors
- Applications of optical sensors in biomedicine

If you want to attend these lectures make sure to include them in your registration.
Reception and lunch will take place at the Uni-Center (Mensa) of the Johannes Kepler University Linz. The technical sessions as well as the poster sessions will take place in the lecture halls and lounges (situated in Hörsaaltrakt and Keplergebäude). No smoking indoors.

Exhibition

During the conference the exhibition will be open:
Monday: 8:00 – 16:00
Tuesday: 8:00 – 16:00
Wednesday: 8:00 – 15:30

The following sponsors will display material in booths located in the lounges:

- ACCM
- Agilent Technologies
- COMSOL Multiphysics GmbH
- E+E Elektronik GmbH
- Elsevier Publishing
- Heidelberg Instruments Mikrotechnik GmbH
- IEEE Sensors Council
- IMA Integrated Microsystems Austria GmbH
- Infineon Technologies Austria AG
- IoP Institute of Physics Publishing
- John Wiley & Sons Ltd.
Registration Desk
On Sunday evening the registration desk will be set up at the Uni-Center (green coloured building on the campus map, see p. 6) and will be open 17:00–20:00. You are invited to join colleagues in an informal Welcome Reception in the mensa on the ground floor of the same building.

During the conference from Monday to Wednesday, the registration and information desk will be situated in the Keplergebäude (red coloured building on the campus map p. 6) in front of the main auditorium (Raiffeisensaal) and will be open 8:00–16:00, see also p.7.

Lecture Presentation Information

The duration of a presentation slot is 15 minutes. You will have 12 minutes for the presentation itself and 3 minutes for questions from the audience.

An LCD projector and a computer (Windows XP, MS Powerpoint, Adobe Acrobat Reader) will be available in every session room for regular presentations. Note that neither Overhead projector, 35mm slides projectors nor VHS videotape player will be available.

Preparation of visuals: please note that all presenters of oral contributions must either bring their own laptop computer (with the appropriate presentation software loaded) or bring a USB memory stick containing their presentation (preferred). Files can be uploaded to the local PCs in the lecture rooms during the breaks between the sessions. To avoid software compatibility problems (MS Powerpoint), speakers are advised to save their Powerpoint presentation with the Package for CD feature AND bring a backup PDF-version of their presentation. For preparing your talk and for final checking the compatibility of your laptop computer and the beamer please visit the speaker’s preparation room (see floor plan on p. 6).

Speakers should arrive in their session room at least 15 minutes BEFORE the start of their session to report to the chair person.

Poster Presentation Information

It is essential that your poster is put up before the session and removed after it has ended. The placement of your poster will be marked on the panel, where it will be presented with the number of your poster contribution: e.g. A4P-E (A = first day, 4 = the time slot, P = poster session, E = room E) plus an individual number. Check your number in the conference program booklet and display your poster on the scheduled day on the board labelled with your number. You can look up the code of your poster via the author index on pages 59–71 of the booklet.

Poster Areas 1 and 2 (corresponding to room codes E and F) are situated in the lounge next to room 1 (“Raiffeisensaal”) on one side, Poster Areas 3 and 4 (codes G and H) on the other side.

Please attach your poster to the panel with pins, which are available in the poster area. If you need more pins, please contact the information. After you have removed your poster, please leave the pins on the board.
**WLAN Web Connectivity**

The Johannes Kepler University is member of EDUROAM. In case you have an account of your university and your university is also member of EDUROAM, you can use the WLAN the usual way.

**Settings:**
SSID: eduroam  
Authentification: 802.1X - PEAP - MSCHAPv2  
No certificate

Alternatively, guest accounts are available at the registration desk, where (conforming to current legislation) you are asked for a signature in order to receive a personal account and a password.

**Settings:**
SSID: JKU  
No WEP (no Wireless Encryption Protocol)  
TCP/IP configuration using DHCP (retrieve IP-address and DNS server automatically)  
Turn off proxy-server  
Protocols: DNS, DHCP, HTTPS und HTTP  
IP-address of WLAN-gateway (140.78.164.1) must be accessible

If you have no computer at hand you can use equipment made available in the computer room (see floor plan on page 7).

**Lunch**

Lunch is included with your registration, vouchers will be provided in the delegate package. The canteen (“Mensa”) can in principle easily host all participants, however, queues can be expected right after the beginning of our lunch break. To avoid queuing you may want to take a walk around the pond and go to the canteen later.

The lunch vouchers are valid for complete menus (“CLASSIC #1” or “CLASSIC #2”) or for meals up to € 7 in the buffet area (“CHOICE”, see also below). If you choose the menus CLASSIC #1 or #2, the vouchers will be exchanged for tokens directly at the turnstiles in front of the associated food counter.

Instead of choosing menu CLASSIC #1 or #2 you can help yourself in the buffet area “CHOICE”. If you get your meal in the buffet area, please turn in your voucher at the cashier and € 7 will be deducted from your bill (if it exceeds € 7; any costs >7€ have to be carried by yourself).
<table>
<thead>
<tr>
<th>Date</th>
<th>Lunch</th>
<th>Dinner</th>
</tr>
</thead>
<tbody>
<tr>
<td>06.09.2010</td>
<td>Bouillon with sliced pancakes</td>
<td>Roasted chicken breast mushroom sauce, vegetables, croquettes and salad</td>
</tr>
<tr>
<td>Monday</td>
<td><strong>Spaghetti pomodoro</strong> with basil, grated parmesan and salad</td>
<td></td>
</tr>
<tr>
<td>07.09.2010</td>
<td>Cream of carrot-celery soup</td>
<td>Chopped veal scallops glazed baby-carrots, mashed potatoes and salad</td>
</tr>
<tr>
<td>Tuesday</td>
<td><strong>Vegetarian potato-goulash</strong> with roll and salad</td>
<td></td>
</tr>
<tr>
<td>08.09.2010</td>
<td>Vegetable bouillon with semolina dumplings</td>
<td>Vegetable bouillon with semolina dumplings Baked coalfish with sauce tartar and potato salad a la chef</td>
</tr>
<tr>
<td>Wednesday</td>
<td><strong>Fresh vegetable-wok “Shanghai”</strong> with basmati rice and salad</td>
<td></td>
</tr>
</tbody>
</table>

Every menu includes one non-alcoholic drink of your choice.

**Restaurants**

The culinary selection in Linz-Danube contains everything from typical Upper Austrian regional cuisine to a 2-star restaurant. Linz has plenty of pleasant garden restaurants and traditional coffee houses for a well-earned break.

There are a few restaurants in close vicinity to the campus, namely

- Einstein Trattoria, Altenberger Straße 70
- Pizzeria Bella-Casa, Aubrunner Weg 1/A
- China-Restaurant Jade Garten, Aubrunner Weg 11

A wider choice of restaurants offering various kinds of specialities can be found in downtown Linz. A culinary guide in German can be found on the web at [http://www.linz.at/images/LinzGeniessen.pdf](http://www.linz.at/images/LinzGeniessen.pdf)
Social Program

(included in every registration, please travel on your own, e.g., by tram)

September 5, 2010, 18:00:
Informal welcome reception at JKU Campus, Uni Center

September 6, 2010, 19:30
Official reception by the state of Upper Austria and the City of Linz in downtown Linz
Location: Steinerner Saal, Landhaus Linz, Klosterstraße 11 / Promenade 24
Closest tram stops (lines 1 and 2): Taubenmarkt, Hauptplatz

September 7, 2010: 19:30
Conference banquet on Danube river cruise
Boarding 19:00: Lentos Museum, Ernst Koref Promenade 1
Closest tram stop (lines 1 and 2): Hauptplatz

September 8, 2010, 15:30
Informal farewell reception at JKU Campus, Uni Center

Downtown Linz
Farewell Reception
Right after the closing session on Wednesday afternoon in the main auditorium “Raiffeisonsaal” we kindly invite you to a farewell reception taking place in the Uni Center. As a farewell present you will receive a bottle of genuine Austrian Most.

“Most” is a general term for pressed fruit juice, which is often fermented and, e.g., represents the first step in winemaking in case of grapes. In Upper Austria and the western part of Lower Austria, the term is commonly used exclusively for fermented apple and/or pear juice with alcohol content in the order of 5%. As with wine, there’s a wide variety of tastes. The “most” in this bottle by one of the most prestigious “most” producers (farmers) has been carefully selected by the Local Eurosensors 2010 Committee and we hope that you enjoy the taste and think about the Linz conference when you are back home!

Blossoming of apple trees

Equipment for the production of most, Most-Museum St. Marienkirchen/Polsenz
Travel to and in Linz

Train:
Participants arriving at the Central Station (Hauptbahnhof) by train can use tram lines 1 or 2 towards Universität and get off at the final stop Universität to get to the conference site directly. The tram stop and the ticket machine at the central station are located downstairs, a one way ticket (“Midi”) takes you to the university (Note that you will get a 4-day ticket upon registration thus once you have picked up your delegate package you don’t need any more tickets! See also below.) Train schedule ÖBB: http://www.oebb.at/en/index.jsp

City Traffic: Linz AG
Tickets can be bought at a ticket machine at the stop or at news stands (Trafiken), no tickets are sold in the cars (neither tram nor bus). IMPORTANT: Upon registration participants (including accompanying persons) of the conference will receive a badge that includes all public transport, i.e. bus and tram lines (except for Pöstlingbergbahn) during the conference!

Most important are tram lines 1 and 2 connecting the conference site (tram stop “Universität”) with downtown Linz (tram stop “Hauptplatz”) and the main railway station (tram stop “Hauptbahnhof”).

Timetable: http://www.linzag.at/linz/index_en.htm
Departure Town/District: Linz, Stop: Hauptbahnhof
Arrival Town/District: Linz, Stop: Universität

Arrival by Air

Participants arriving by plane can take the Blue Danube Airport Lines bus (airport bus No. 601 departing in front of the arrival hall) until its final stop at the railway station, and proceed by taking the tram. The bus to the city only operates on working days and runs every hour, last departure is 7 pm. On Sunday there is no bus to the city. Journey time: approximately 20 minutes.

Alternatively, taxis are waiting for you directly in front of the Arrivals Terminal. The taxi fares to the railway station of Linz are approx. Euro 30.00 and to the center EUR 35.00.

Arrival by Car
Follow motorway A1 to exit Linz, follow A7 in the direction of Praha, Freistadt; take the second exit after the bridge crossing the Danube, Dornach/Auhof, at the first set of traffic lights go straight ahead (Altenberger Straße), shortly after the loop of the tram you will find the entrance of the car park of the university at the left, take a ticket at the gate. Upon leaving, please pay parking fee (€ 0,50 per ½ h, no day passes!) at a ticket machine.

IMPORTANT: No free parking is available in the vicinity of the campus (limited parking zone)! It is highly recommended to use public transport.
Verkehrslinienplan

Public Transport: Linz AG
Further Information

Tourist Information
Old City Hall (Altes Rathaus), Hauptplatz 1, tourist.info@linz.at,
Tel. +43 732 7070 2009
Opening hours: Monday to Saturday: 9:00 – 19:00, Sunday/Holiday: 10:00 – 19:00.
http://www.linz.at/english/

Credit Cards / Cash Machines
Major credit cards are accepted by hotels, upmarket shops and restaurants. Cash machines are located throughout the city.

Mains Supply
The power supply voltage in Austria is 230 volts / 50 Hz. Foreign appliances could require an adapter.

Local currency
The Euro ( € ) is the valid Austrian currency.

Tips
Service is usually included in the bill in bars and restaurants, but tips up to 10% are welcome.

Conference Sponsors

City of Linz
State of Upper Austria
Austrian Electrotechnical Association (OVE)
Elsevier publishing
IEEE Sensors Council
Carinthian Tech Research AG (CTR)
### Technical Program Overview

#### Lecture Session Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Room 1 &quot;Raffelsensaal&quot;</th>
<th>Room 2 &quot;Sparkassensaal&quot;</th>
<th>Room 6 &quot;Hörsaal 6&quot;</th>
<th>Room 7 &quot;Hörsaal 7&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sunday, September 5th, 2010</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:00 – 18:00</td>
<td>Eurosensors School</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Monday, September 6th, 2010</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:00 – 09:30</td>
<td>Opening Session</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:30 – 10:15</td>
<td>A1L-A KEYNOTE I</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:15 – 11:00</td>
<td>A2L-A KEYNOTE II</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:30 – 13:00</td>
<td>A3L-A Gas sensors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:05 – 13:35</td>
<td>A3L-B Cell manipulation and analysis</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:45 – 16:30</td>
<td>A3L-C Sensor electronics</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:30 – 16:00</td>
<td>A3L-D Modelling &amp; simulation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:00 – 17:30</td>
<td>A5L-A Selective surface modifications</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18:30 – 22:00</td>
<td>Official reception by the state of Upper Austria and the City of Linz in downtown Linz: Steinerner Saal, Landhaus Linz, Klosterstraße 11 / Promenade 24</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Tuesday, September 7th, 2010</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:10 – 10:00</td>
<td>B1L-A KEYNOTE III</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00 – 11:15</td>
<td>B2L-A Resonant devices I</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:45 – 13:00</td>
<td>B3L-A Electrochemical sensors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:45 – 14:15</td>
<td>COMSOL Presentation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:30 – 16:00</td>
<td>Poster Sessions ↓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:00 – 17:30</td>
<td>B5L-B Thermal devices</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19:00 – 19:30</td>
<td>Boarding Ship: Lentos Museum, Ernst Keref Promenade 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19:30 – 22:30</td>
<td>Conference banquet on Danube river cruise</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Wednesday, September 8th, 2010</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:00 – 10:30</td>
<td>C1L-B Cantilever based sensors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00 – 12:30</td>
<td>C2L-A Optical fiber sensors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:00 – 15:30</td>
<td>Poster Sessions ↓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:30</td>
<td>Closing Session &amp; Farewell Reception</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Poster Session Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Poster Area 1</th>
<th>Poster Area 2</th>
<th>Poster Area 3</th>
<th>Poster Area 4</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Monday</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:30 – 18:00</td>
<td>A4P-E Solid-state gas sensors</td>
<td>A4P-F Interfaces &amp; sensor networks</td>
<td>A4P-G Applications</td>
<td>A4P-H Materials, technology &amp; packaging</td>
</tr>
<tr>
<td><strong>Tuesday</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:30 – 16:00</td>
<td>B4P-E Physical and optical sensors &amp; MEMS</td>
<td>B4P-F Micropower generation II</td>
<td>B4P-G Biosensors</td>
<td>B4P-H Materials and technology</td>
</tr>
<tr>
<td><strong>Wednesday</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:00 – 15:30</td>
<td>C3P-E Chemical Sensors</td>
<td>C3P-F Modeling &amp; theory</td>
<td>C3P-G Microfluidics &amp; labs-on-a-chip</td>
<td>C3P-H Physical sensors, actuators &amp; MEMS</td>
</tr>
</tbody>
</table>