International Nano-Optoelectronics Workshop 2009  
*i-NOW 2009*  
Stockholm, Sweden and Berlin, Germany  
August 2-15, 2009

**CO-CHAIRS**

Connie Chang-Hasnain       Dieter Bimberg       Lars Thyle
University of California Berkeley  Technical University of Berlin  Royal Institute of Technology
USA                          Germany                     Sweden

**OBJECTIVES**

The physics of nanoscale materials and the devices based on them has now become an important area for research and development in both academic and industry laboratories. The *i*-NOW 2009 workshop will engage participants in considerations of state-of-the-art nanoscale semiconductor processing and synthesis, the new physics of tailoring material’s optical and electrical properties, new advances in characterization techniques, and new devices with novel functionalities.

As in the past, *i*-NOW 2009 features tutorial-style talks, poster sessions presented by students and young scientists, rump sessions by leaders from industry, and several excursion trips to famous sites, including an excursion to the unique Stockholm outer archipelago, an open air concert night at the castles of Potsdam, a visit to the Pergamon and Brandenburg Gate in Berlin.

The workshop promises ample opportunities for interaction, inspiring presentations, exciting discussions, and invigorating debates. We hope your experiences here will stimulate future collaborations and spark future breakthroughs.

**DURATION**

18:00, Sunday, August 2nd to ~23:30 Friday, August 14th, 2009

**DEADLINES**

4/28/09  Registration on line
4/28/09  Registration fee wired to TU Berlin
5/17/09  Abstract Submission

**VENUE**

8/2-8/5/09  Grand Hotel, Saltsjöbaden, Stockholm, Sweden
8/5-8/8/09  KTH-Electrum, Kista, Stockholm, Sweden
8/8/09  Flight to Berlin
8/8-8/15/09  TU Berlin, Eugen Wigner Physics building, Hardenbergstr. 36, Germany;  
Accommodation: Hotel Excelsior, Hardenbergstr. 14, 4 min walking to Venue
TECHNICAL TOPICS
Photonic Crystal and Devices
Quantum Dots, Nanowires and Nanostructures
Physics of Nanostructures
Plasmonics and Left-handed Materials
Solar Cells
GaN LEDs
Integrated Photonic Circuits
High-speed Lasers and Detectors

EXCURSION TRIPS
Barbeque dinner at Saltsjöbaden
Dinner and boat tour
Visit to Royal Institute of Technology (KTH)
Dinner at the Nobel Museum in the Old Town
Boat tour to Lakes and Castles in Brandenburg
Visit of Reichstag, Museum Island, Pergamon, Brandenburg Gate
Visit of and Banquet at the Museum of Modern Art – Hamburger Bahnhof –
Night of the Castles at Potsdam and symphony concert

SPONSORS
National Science Foundations of USA and Germany
DARPA-funded Center for Optoelectronic Nanostructured Semiconductor Technologies
Berkeley Nanosciences and Nanoeengineering Institute (BNNI)
SFB 787 of DFG, “Semiconductor Nanophotonics”
EU FP7 “VISIT”
AGeNT
NanOp
Technical University of Berlin
ECOC 2004 Foundation, Sweden
Swedish Foundation for Strategic Research (SSF)
Royal Institute of Technology (KTH)
Swedish Governmental Agency for Innovation Systems (VINNOVA)
Swedish Research Council (VR)
Acreo AB, Sweden
Laytec GmbH
Osram Opto Semiconductors GmbH
PBC Lasers GmbH
SENTECH GmbH
u2t AG

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STEERING COMMITTEE
Markus Amann, Technical University of München
Yasuhiko Arakawa, University Tokyo
Dieter Bimberg, Technical University of Berlin (ex-officio)
Connie Chang-Hasnain, UC Berkeley (ex-officio)
Zhangyuan Chen, Peking University
Alfred Forchel, University Wuerzburg
Tingye Li, AT&T Labs (Retired)
Tien P. Lee, Telcordia (Retired)
Yi Luo, Tsinghua University
Fumio Koyama, Tokyo Institute of Technology
Ivan Kaminow, UC Berkeley
Lars Thylén, Royal Institute of Technology (ex-officio)

LOCAL ORGANIZING COMMITTEE

Berlin:
Dieter Bimberg
Jürgen Christen
Axel Hoffmann
Michael Kneissl
Doreen Nitzsche
Ines Rudolph
Ronny Kirste

Stockholm:
Eva Andersson
Bo Willén
Min Qiu
Lars Thylén

SPECIAL NOBEL SESSION ON MONDAY, AUGUST 10 (BERLIN)
Klaus von Klitzing, Max-Planck-Institut für Festkörperforschung, Stuttgart
Nobel Laureate in Physics, 1985

SPECIAL HISTORY SESSION ON WEDNESDAY, AUGUST 12 (BERLIN)
Hermann Parzinger, President of the Prussian Cultural Heritage Foundation, Berlin

CONFIRMED INVITED SPEAKERS
Markus Amann, TU Munich
Oliver Ambacher, Fraunhofer IAF Freiburg
Yasuhiro Arakawa, University of Tokyo
Toshihiko Baba, Yokohama National University
Uwe Bandelow, Weierstrass Institute Berlin
Günther Bauer, University of Linz
Oliver Benson, Humboldt University Berlin
Pallab Bhattacharya, University of Michigan
Dieter Bimberg, TU Berlin
Gunnar Björk, KTH Stockholm
Alex Bratkovski, Hewlett-Packard Laboratories
Jens Buus, Gayton Photonics Ltd
Connie Chang-Hasnain, UC Berkeley
Zhangyuan Chen, Beijing University
Shun-Lien Chuang, University of Illinois
Peter Delfyett, University of Central Florida
Dennis Deppe, University of Central Florida
Vladimir Dubrovskii, Ioffe Institut St. Petersburg
Thomas Ebbesen, Universite de Strasbourg
Gadi Eisenstein, Technion Haifa
Alfred Forchel, Universiyt of Würzburg
Christian Fricke, OsramOS Regensburg
Nicolas Grandjean, EPF Lausanne
James Harris, Stanford University
Yi-Dong Huang, Tsinghua University
Yongzhen Huang, Institute of Semiconductors CAS Beijing
Ivan Kaminow, UC Berkeley
Klaus von Klitzing, MPIF Stuttgart
Michael Kneissl, TU Berlin
Yasuo Kokubun, Yokohama National University
Fumio Koyama, Tokyo Institute of Technology
Carsten Schmidt-Langhorst, Heinrich-Hertz-Institut, Berlin
Mike Krames, Philips Lumileds San Jose
Alois Krost, University of Magdeburg
Pei-Cheng Ku, University of Michigan
Anders Larsson, Chalmers University Göteborg
Nikolai Ledentsov, VIS GmbH Berlin
Tien Pei Lee, Bellcore (Retired)
Yong-Hee Lee, KAIST Seoul
Tingye Li, ATT Labs (Retired)
Norbert Lichtenstein, Bookham Zürich
Yi Luo, Tsinghua University
Antonio Luque, Universidad Politécnica de Madrid
Dave Miller, Stanford University
Bo Monemar, Linköping University
Jesper Mork, Technical University of Denmark
Yoshiaki Nakano, University of Tokyo
Cun-Zheng Ning, Arizona State University
David Payne, University of Southampton
Lars Podlowski, Solon AG Berlin
Min Qiu, KTH Stockholm
Hans Queisser, MPIF Stuttgart
Harald Rohde, Nokia Siemens Networks Munich
Lars Samuelson, University of Lund
Eckehard Schöll, TU Berlin
Vitali Shchukin, PBC GmbH Berlin
Sune Svanberg, University of Lund
Lars Thylen, KTH Stockholm
Urban Westgren, KTH Stockholm
Alan Willner, U Southern California
Ming Wu, UC Berkeley
Eli Yablonovich, UC Berkeley
Chih-Chung Yang, National Taiwan University
### Fees (in EURO)

<table>
<thead>
<tr>
<th>Registration Fee</th>
<th>Before 4/28</th>
<th>After 4/28</th>
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<tbody>
<tr>
<td>Regular: One week only in Germany</td>
<td>300 EURO</td>
<td>400 EURO</td>
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</tbody>
</table>

### Symposium Fee

- All included in *Registration fee* plus lodging

<table>
<thead>
<tr>
<th>Students or Post-docs: Full duration only</th>
<th>Before 4/28</th>
<th>After 4/28</th>
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<tbody>
<tr>
<td>Students or Post-docs: Full duration only</td>
<td>1400 EURO</td>
<td>1600 EURO</td>
</tr>
<tr>
<td>• Including flight from Stockholm to Berlin</td>
<td></td>
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<tr>
<td>• Lodging is in shared twin- or triple- room for students and Post-docs.</td>
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<thead>
<tr>
<th>Regular:</th>
<th>Before 4/28</th>
<th>After 4/28</th>
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<tbody>
<tr>
<td>One day entrance</td>
<td>250 EURO</td>
<td>270 EURO</td>
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<tr>
<td>One week only in Sweden</td>
<td>1000 EURO</td>
<td>1100 EURO</td>
</tr>
<tr>
<td>One week only in Germany</td>
<td>1000 EURO</td>
<td>1100 EURO</td>
</tr>
<tr>
<td>Flight from Stockholm to Berlin</td>
<td>100 EURO</td>
<td>NOT ACCEPTED</td>
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</tbody>
</table>

- Lodging is in a single room for regular attendees.

### Accompanying Guests of Invited Speakers

The accompanying guests of invited speakers, who share the same standard room with the speakers, will need to pay for the meals, banquets and other expenses, as listed below. No accompanying guests will be accommodated for post-docs, regular attendees or students.

<table>
<thead>
<tr>
<th>Price/person</th>
<th>Package includes</th>
<th>Sharing room w. speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adult</td>
<td>Child (under 18)</td>
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</tr>
<tr>
<td>Sweden</td>
<td>all meals, banquets, and excursion trips</td>
<td>325 EURO</td>
</tr>
<tr>
<td>Berlin</td>
<td>all meals, banquets, and excursion trips</td>
<td>325 EURO</td>
</tr>
<tr>
<td>Full Duration</td>
<td>Including the above and one way Stockholm-Berlin air ticket</td>
<td>750 EURO</td>
</tr>
</tbody>
</table>
Refund and Cancellation Policy: All requests for refunds must be received in writing by June 29, 2009. A 150 EURO service charge will be assessed for processing refunds. All registrations received after June 29, 2009, are NON-REFUNDABLE.

WIRING INFORMATION

For organizational reasons no onsite payments are possible. (Neither in Stockholm nor in Berlin)

Account holder: Kasse der Technischen Universitaet Berlin

Bank: Berliner Volksbank eG
Account number: 884 101 5003
Bank code: 100 900 00
IBAN: DE69 1009 0000 8841 0150 03
BIC: BEVODEBB
Reason for transfer: 00032 / 28292 / 10032826 / 54222

Upon Completion of the wiring, please fax or email the receipt to:
Doreen Nitzsche
Sekretariat des Sfb 787
Technische Universitaet Berlin
Sekr. EW 5-5
Hardenbergstr. 36
10623 Berlin
Germany
Tel.: +49 30 314 22247
Fax: +49 30 314 22064
E-Mail: sfb787@physik.tu-berlin.de
Web: http://www.sfb787.tu-berlin.de
Best Poster Award

Best Student Posters will be selected among students presenting posters. The submission and selection rules are outlined below. Students are encouraged to submit posters.

INDUSTRIAL POSTER AWARD SPONSORS

- Laytec GmbH
- Osram Opto Semiconductors GmbH
- PBC Lasers GmbH
- SENTECH GmbH
- u2t AG

AWARDS

The cash award is meant to be shared among all co-authors of the posters except the professors. Awardees presentation will be made at the Banquet.

- 1 x First place: € 700, certificates for each co-author
- 2 x Second place: € 500, certificates for each co-author
- 2 x Third place: € 250, certificates for each co-author

ABSTRACT

- Authors need to follow the format in the template (attached in Abstract and Biography Submission).
- Submission deadline: 5pm (Pacific Time), 5/15/09.

POSTER PRESENTATION

- All posters will be presented by students and post-docs.
- Format of posters is A0: 841 mm width x 1189 mm height.
- Each poster will be allocated a 3-minute slot for oral introduction
- Poster viewing times will be announced later.
- The co-authors should take turns to host their poster.

SELECTION PROCESS

- Posters will be judged based on research quality and poster presentation.
- An external panel will be invited to evaluate the posters.