

## SOCIETY FOR INFORMATION DISPLAY

### Newsletter 24 / 2008

#### EVENTS



**SID MEC Spring '08 Meeting March 13-14, 2008, Fraunhofer IOF, Jena, Germany**

**Special Topics: Microdisplays, Applications, and Optics**

The SID Mid Europe Chapter organizes yearly spring and fall meetings with technical and scientific presentations, attracting many European display professionals.



The 2008 spring meeting focused on different aspects of microdisplays and their applications.

Basic technology was covered as well as optical components and systems or applications in multimedia and niche markets. 33 paper from 9 countries were presented at the meeting. An industrial exhibition took place during the meeting.

The meeting closed on the second day with a visit to the laboratories of the Fraunhofer IOF.

#### PROGRAM

The presentations can be downloaded from the following link:

<http://www.iof.fraunhofer.de/sid/program.html>

Roland Höfling, Vialux GmbH, *"New emerging applications of DLP® microdisplays"*

Peter Schreiber, Fraunhofer IOF, *"Laser display with single mirror MEMS scanner"*

Sergey Kudaev, Fraunhofer IOF, *"LED light sources for projection displays"*



Kenneth Li, Wavien Inc., *"Dual paraboloid reflector lamp system with life extension for projection display applications"*

Dirk Maes, BARCO, *"Dual TIR prism, a way to boost the performances of a DLP projector"*

Khaled Sarayedine, Optinvent, *"Slim rear projection for laser TV"*

Lars Runge, SyproOptics GmbH, *"Requirements for projectors for the consumer market"*

Mark McCallum, Forth Dimension Displays Ltd., *"The use of LCOS microdisplays in 3D optical surface metrology systems"*

Stefan Riehemann, Fraunhofer IOF, *"Microstructure and 3D-measurement systems with microdisplays"*

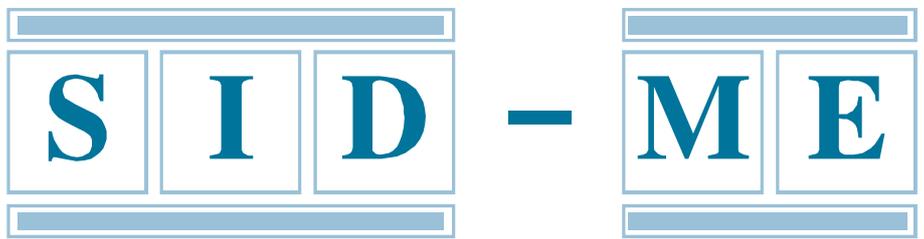
Sven Krüger, HOLOEYE Systems Inc., *"Holographic projection using LCOS displays"*

Jan Blochwitz-Nimoth, Novald AG, *"Novald PIN OLED technology for display applications"*

Chris Yates, MicroEmissive Displays, *"Some limitations of the conventional 'lifetime' parameter when applied to OLED displays and beginning to develop a real-world equivalent"*

#### SOCIAL PROGRAM

One additional highlight of the conference was the evening event, a dinner show in the Zeiss Planetarium including a demonstration of the newest projection technology (all dome laser image projection).



## SOCIETY FOR INFORMATION DISPLAY



### EXHIBITION

12 companies presented displays and components on March 13-14. Most companies came from Germany (8), from Scotland (2), from USA (1) and Norway (1).

BFI OPTILAS GmbH, Puchheim, Germany

CODIXX AG, Barleben, Germany

DFF, German Flat Panel Display Forum, Frankfurt, Germany

Forth Dimension Displays Ltd., Dalgety Bay, Scotland

Fraunhofer IOF, Jena, Germany

HOLOEYE Systems Inc., Westlake Village, CA, USA

Jenoptik Laser, Optik, Systeme GmbH, Jena, Germany

MG Optical Solutions GmbH, Eresing, Germany

MicroEmissive Displays, Edinburgh, Scotland

optonet, Jena, Germany

ViALUX GmbH, Chemnitz, Germany

VISITECH AS, Drammen, Norway

### SID-MEC General Meeting



Gerrit Oversluizen (Philips Research) chaired the SID-MEC general meeting, where the status of the chapter was reported, and the election of the officers of the SID-ME chapter for the coming period took place. The present officers volunteered to run for an-

other term, and the proposed candidates were elected unanimously. Therefore the Chapter committee remains composed as follows: Patrick Vandenberghe (Chair), Armin Wedel (Vice-Chair), Herbert De Smet (Secretary), Jutta Rasp (Treasurer).

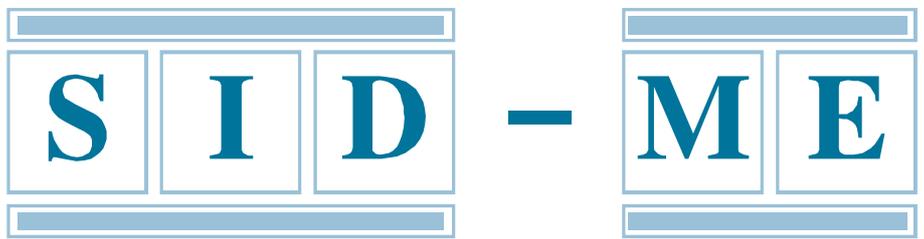
The ME chapter presently (February 2008) has 508 members. This is 9% less than in February 2007 (559). However, the relative share of ME in the total SID membership (6356) stays more or less constant at 8%. SID-MEC is still the second largest chapter. The chapter has been timely reporting to the SID headquarters and its financial status is very healthy. The main costs are the student award, the newsletter mailing and the bank account fee. This year's student award is granted to Lawrence Bogaert (Vrije Universiteit Brussel).

About 120 attendants, including 7 from Japan, 4 from USA, 3 from Belarus, and 1 from Russia and Korea, attended this SID-MEC '08 spring meeting showing that SID-MEC meetings continue to attract a highly international attendance.

The upcoming meetings were also announced, including the Spring'09 SID-MEC meeting in conjunction with the ITC in Paris, and the Eurodisplay '09 in Rome (see below).

### Student Award

The 2008 SID-MEC student award was given to Lawrence Bogaert (Vrije Universiteit, Brussels) for his work on a "Stereoscopic projection display with LCOS panels and LED light sources".



## SOCIETY FOR INFORMATION DISPLAY

### COMING EVENTS



**2009 International Thin Film Transistors Conference ITC'09, March 5-6, 2009, Ecole Polytechnique (near Paris), France**



#### Topics

Thin-Film transistors (TFTs) are key elements for large area electronics, whose applications are increasingly pervading our societies. TFT technology, involving multidisciplinary research topics, has a strong impact in a number of areas including flat panel displays, organic electronics, system on glass, printed electronics and flexible electronics. Due to a strong need for a conference related to TFTs, the International TFT Conference (ITC) was established to exchange ideas and information in the field of organic and inorganic TFTs. The meeting was first held on March 14-15, 2005 at Kyung Hee University in Seoul, South Korea. Since then, the second meeting was held on January 19-20, 2006 in Kitakyushu, Japan, the third on January 25-26, 2007 at the CNR Headquarters, Rome, Italy and the Fourth Conference on January 24-25, 2008 at Kyung Hee University in Seoul. The 5th International Thin Film Transistors Conference (ITC '09) will be held on March 5 and 6, 2009 at Ecole Polytechnique in Palaiseau, Paris neighbourhood, France. ITC '09 will be held jointly with the SID Mid-Europe Chapter Spring Meeting, a yearly meeting attracting

many European display professionals.

#### Conference Scope

Papers are solicited on the following areas:

- LTPS TFTs and related fields*
- Organic TFTs and related fields*
- Amorphous silicon TFTs and related fields*
- Nanowires and nanotubes TFTs and related fields*
- TFT circuits and related fields*
- Display and other systems based on TFTs*
- AM backplane for AMOLED & Flexible Displays*

TFTs on flexible substrate

#### Key Dates

- Submission of Short Abstract  
December 15, 2008
- Acceptance Notification  
January 1, 2009
- Submission of camera ready manuscript  
February 1, 2009

#### ITC'09 secretariat

LPICM, Ecole Polytechnique, route de Saclay, 91128 Palaiseau Cedex, France

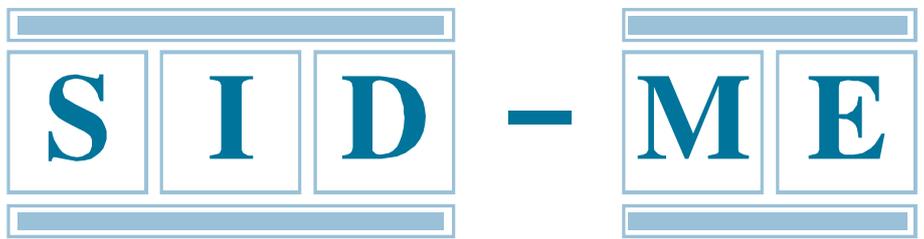
Tel: +33 1 69 33 43 02

Fax: +33 1 69 33 43 30

email: [itc09@polytechnique.fr](mailto:itc09@polytechnique.fr)

Website :

[www.lpicm.polytechnique.fr/itc09/](http://www.lpicm.polytechnique.fr/itc09/)



## SOCIETY FOR INFORMATION DISPLAY

### **Eurodisplay 2009 (International Display Research Conference 2009) September 14-17, 2009, Rome, Italy**

The next Eurodisplay Conference will be held in Rome in September 2009. SID Mid-Europe Chapter is responsible for the arrangements and the organization of the conference is headed by SID-MEC veterans. The General Chair is Mr. Jyrki Kimmel from Nokia in Finland, the Program Chair is Prof. Norbert Frühauf from University of Stuttgart, Germany, the Workshop Chair is Dr. Gerrit Oversluizen from Philips in the Netherlands, the Exhibit and Sponsorship Chair is Ms. Jutta Rasp from FP Displays in Germany, and the local organizing Chair is Dr. Guglielmo Fortunato from the CNR in Italy. We are looking for a great conference and a worldwide participation in one of the great centres of European culture. If you or your company have an interest in sponsoring Eurodisplay 2009, please contact either Jyrki Kimmel or Jutta Rasp. Contact details inside this Newsletter.

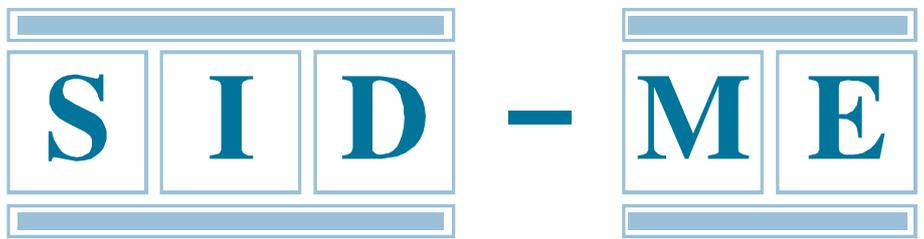
### **NEWS**

Several entities from the SID-Mid Europe chapter area together with partners from Europe are participating in the new European Framework 7 project OLAtronics. The objective of OLAtronics is the development and integration of processes & technologies for the production of organic large-area flexible electronics. Project duration is from January 1st, 2008 to

Dec 31st, 2010. The Project Consortium consists of 8 partners of 5 EU Countries and USA. It is coordinated by Aristotle University of Thessaloniki (AUTH) - LTFN, Greece. OLAtronics will significantly enhance the existing capabilities on the synthesis, preparation, encapsulation and quality control techniques for the development of nanostructured active and passive materials with advanced physical properties. The effectiveness and robustness of the manufacturing processes, and the efficient material encapsulation will be combined with the accurate measurement of the materials optical response, microstructure and morphology by in-situ and real-time optical sensing techniques equipped with advanced analysis & modeling capabilities for the achievement of high performance materials components. These will be used initially for specific FED applications (such as EC displays and OPVs) but ultimately they will be extended to several applications, for example flexible OLED for display and lighting, e-paper, sensors, organic circuits, smart systems on tags, signage, low-cost RFID, etc.

### **Call for SID-ME Chapter Student Award 2009**

The SID-ME Chapter Student Award is given for an outstanding scientific or technical achievement in, or contribution to, research on information display. The applicant is a student at a university/institute in the SID-ME region. The award



## SOCIETY FOR INFORMATION DISPLAY

amounts to 1500 Euro, with the obligation to present the contribution at the SID-MEC meeting where the award is presented. The conference fee is waived. The applicant must be a member of SID. For information on student membership, see below. The application deadline is January 31, 2009.

Application for SID-ME Chapter Student Award must include following details: Name, SID Membership No., Institute/University, Address, Title of contribution, Abstract (100-150 words), References (SID-ME member).

The application should be submitted to the award committee consisting of Prof. Dr.-Ing. N. Frühauf, Dr. G. Oversluizen and Prof. Dr. H. De Smet.

SID Student Membership: At <http://www.sid.org> you find information on SID student membership. Note the favourable offer of \$5.00 per year for student members.

### SID-ME CHAPTER COMMITTEE

**The SID-ME Chapter committee is now formed by:**

Ing. P. Vandenberghe (chair),  
Barco, Pres. Kennedypark 35,  
B-8500 Kortrijk, Belgium.

Tel.: +32 56 233216

Fax: +32 56 232279

E-mail:

[patrick.vandenberghe@barco.com](mailto:patrick.vandenberghe@barco.com)

Dr. A. Wedel (vice-chair),  
Fraunhofer Institute for Applied  
Polymer Research, Geiselberg-  
strasse 69, D-14476 Potsdam-  
Golm, Germany.

Tel.: +49 331 568 1910

Fax: + 49 331 568 3910

E-mail:

[armin.wedel@iap.fraunhofer.de](mailto:armin.wedel@iap.fraunhofer.de)

Prof. Dr. H. De Smet (secretary),  
Ghent University, Technologiepark  
914A, B-9052 Zwijnaarde, Bel-  
gium.

Tel.: +32 9 264 5363

Fax: +32 9 264 5374

E-mail:

[herbert.desmet@elis.ugent.be](mailto:herbert.desmet@elis.ugent.be)

J. Rasp (treasurer), FPExperts,  
Alpenstrasse 12, Postfach 1208,  
D-85619 Feldkirchen, Germany.

Tel.: +49 89 203 52667

Fax: +49 89 203 52661

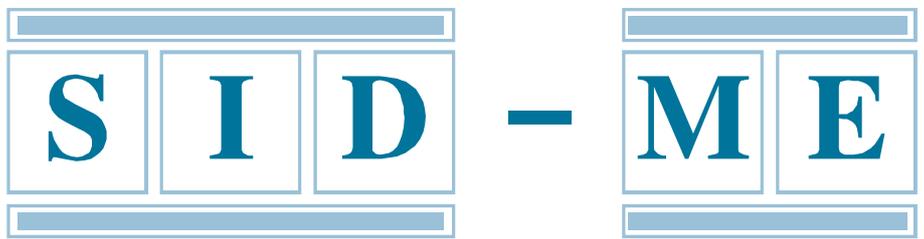
E-mail: [jutta.rasp@fpexperts.com](mailto:jutta.rasp@fpexperts.com)

**Additional members of the SID-ME Chapter committee are:**

Dr. G. Oversluizen (director SID-ME chapter), Philips Research,  
Prof. Holstlaan 4, 5656 AA, Eind-  
hoven, The Netherlands.

Tel.: +31 40 2747715

Fax: +31 40 2746321



## SOCIETY FOR INFORMATION DISPLAY

E-mail:  
gerrit.oversluizen@philips.com

Prof. Dr.-Ing. N. Frühauf,  
Universität Stuttgart, Allmandring  
3B, D-70550 Stuttgart-  
Vaihingen, Germany,  
Tel.: +49 711 685 66922  
Fax: +49 711 685 66924  
E-mail: norbert.fruehauf@fb.uni-  
stuttgart.de

Lic. Tech. J. Kimmel, Nokia  
Research Center, P.O. Box 1000,  
FIN-33721 Tampere, Finland.  
Tel.: +358 7180 35484  
Mobile: +358 50 48 35484  
Fax: +358 7180 35322  
E-mail: jyrki.kimmel@nokia.com

Dr. Michael E. Becker, Display-  
Metrology & Systems, Marie-  
Alexandra Str. 44, D-76135  
Karlsruhe-Germany.  
Tel./Fax: +49 721 981 2268  
E-mail:  
m.becker@display-metrology.com

Dr. W. Becker, Merck KgaA,  
Frankfurter Str. 250, D-64293  
Darmstadt, Germany.  
Tel.: +49 6151 72 7360  
Fax: +49 6151 72 3132  
E-mail: werner.becker@merck.de

Prof. Dr. P. Maltese, University La  
Sapienza, Via Marmorata 169,  
I-00153 Roma, Italy.  
Tel.: +39 644 585 428  
Fax: +39 647 42 647

Dr. M. Schadt, MS High-Tech  
Consulting, Liestalerstrasse 77,  
CH-4411 Seltisberg, Switzerland.  
Tel.: + 41 61 911 9933  
Fax: + 41 61 913 9270  
E-mail: martin.schadt@bluewin.ch

Dr. D. Theis, Siemens AG,  
Tel.: +49 89 636 40550  
Fax.: +49 89 636 40554

E-mail:  
dietmar.theis@siemens.com

Dipl.-Ing. F. Rochow, LMT  
Lichtmesstechnik GmbH, Helm-  
holtzstrasse 9, D-10587 Berlin,  
Germany.  
Tel.: +49 30 393 40 28  
Fax: +49 30 391 80 01  
E-mail: rochow@lmt-berlin.de

Prof. Dr. A. van Calster, Ghent  
University, Technologiepark 914A,  
B-9052 Zwijnaarde, Belgium.  
Tel.: +32 9 264 5364  
Fax: +32 9 264 5374  
E-mail: vancalster@elis.ugent.be

### SID PAYMENT

The SID annual membership fee amounts US\$ 75. Please note that the membership is a rolling membership, which means that it runs for 12 months from the month in which the payment was made. For more information, see the SID website [www.sid.org](http://www.sid.org).

We encourage our members to pay directly to SID-HQ in the USA, but if they want to pay to the ME-Chapter directly the annual fee should be EUR 70 **with all bank fees covered by the member!**

Account number:

0233-826729.60H

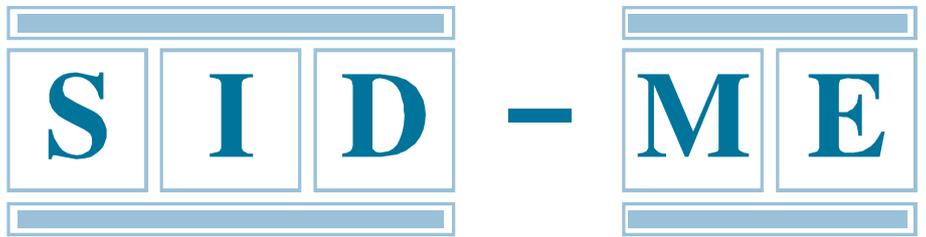
At: UBS, Aeschenplatz 6,  
CH-4052 Basel

BIC: UBSWCHZH80A

IBAN: CH760023323382672960H

Account name: The Soc. f. Inform.  
Display, SID-ME c/o Jutta Rasp

**Please indicate your name on  
the remittance papers.**



**SOCIETY FOR INFORMATION DISPLAY**

**THE  
NEWSLETTER**

If you want to place an article in the Newsletter, which is interesting

for the European Display Society,  
please send it to:  
[armin.wedel@iap.fraunhofer.de](mailto:armin.wedel@iap.fraunhofer.de)

December 2008

**NEWSLETTER 24**