

SOCIETY FOR INFORMATION DISPLAY

Newsletter 25 / 2009

EVENTS



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



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. The 5th International Thin Film Transistors Conference (ITC '09) was held on March 5 and 6, 2009 at Ecole Polytechnique in Palaiseau, Paris neighbourhood, France. ITC '09 was held jointly with the SID Mid-Europe Chapter Spring Meeting, a yearly meeting attracting many European display professionals.



New Chair

At the SID-Mid Europe Chapter Officer Meeting on the 05th of March 2009 in Paris-Palaiseau Dr Jelfs was elected as new Chair of the SID-Mid Europe Chapter. Unfortunately, Patrick Vandenberghe was no longer in the possibility to fulfil the Chair function for another year.

One candidate, Dr Jelfs of Merck, has come forward and was willing to take over the Chair position. Thank you very much to Patrick

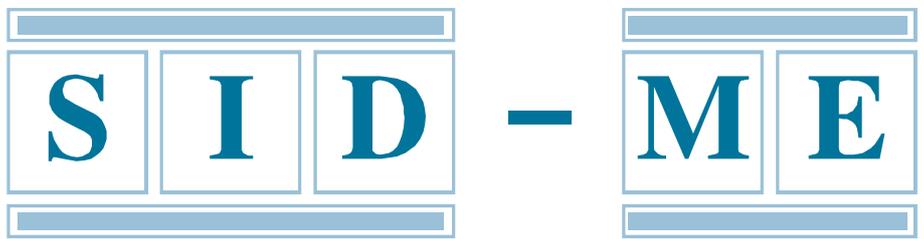
Vandenberghe for his long work and congratulation to Dr Jelfs.

Alasdair Jelfs graduated in Natural Sciences (Chemistry) from Cambridge University. He completed a Ph D in Chemistry at Queen Mary College, University of London, working with air sensitive metallo-organic transition metal complexes. He carried out post-doctoral research in the area of organometallic chemistry at the University of Bristol. In 1986 he joined Merck in the UK as Marketing Manager for liquid crystals. In 1990, he was awarded an MBA, and moved to Merck's headquarters in Darmstadt, Germany in 1991, spending 4 years there prior to moving to Hong Kong. From September 2004, he held the position of Managing Director of the Liquid Crystal Business Unit, Merck Display Technologies (MDT) and was responsible for building up the Liquid Crystal Center Taiwan (LCCT). In January 2008 Dr Jelfs returned to Merck in Darmstadt as Senior Vice President for Liquid Crystals Research and Development, with worldwide responsibility for R&D in liquid crystal materials.

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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 confer-



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ence 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.

COMING EVENTS

2010 SID-ME Spring Meeting, March 18-19, 2010, Fraunhofer IPMS, Dresden, Germany

Conference Topic

Personal Projection Displays - OLED and MEMS and new technologies for HMD, HUD and pico-projectors

Conference Chair

Prof Karl Leo

Conference Scope

The SID Mid Europe Chapter organizes yearly spring and fall meetings with technical and scientific presentations, attracting many European display professionals. The 2010 spring meeting will focus on different aspects of Personal Projection Displays based on OLED and MEMS devices, and their applications in Head-mounted Displays (HMD), Head-up Displays

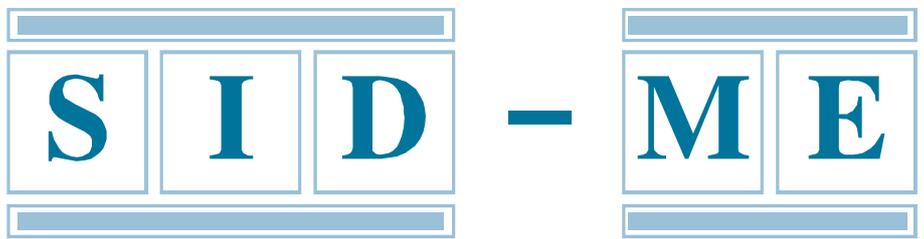
(HUD) and pico-projectors. Basic OLED and MEMS technology will be covered as well as electronic and optic components and systems or applications in consumer multimedia, automotive, industrial and security markets. Both lecture and poster sessions will be organized. The meeting will close on the second day with a visit to the laboratories of the Fraunhofer IPMS.

Major topics:

- OLED and MEMS micro display technology and device design
- HMD, HUD and pico projector system design (electronics, optics, interfaces,...)
- Applications of HMD, HUD and pico-projectors in consumer multimedia, automotive, industrial and security markets

ELECTRONIC DISPLAYS Conference, March 3-4, 2010, Nuremberg, Germany

Over 200 display specialists came together early March 2009 in Nuremberg for Europe's largest display conference dedicated to applications of displays. The ELECTRONIC DISPLAYS conference has a 25-year history and became more international three years ago when English was defined as official language. This results again in attracting more international attendees. This conference is organized by the conference committee (Prof Dr Peter M. Knoll, University of Karlsruhe, Hannelore Koehl, BOSCH, Wolfgang Eckhardt, SIEMENS/EIZO, Dr Juergen Wahl, OPTREX Eu-



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Europe GmbH, Armin Scheuerer, DATA-MODUL and Prof Dr Karlheinz Blankenbach, Pforzheim University) and the electronics journal DESIGN & ELEKTRONIK.

Major topics of the conference were improvements on display technologies like power saving and RGBW pixels, new display drivers e.g. for e-paper, pico-projectors, display controllers and software. Three sessions were dedicated to OLEDs, ranging from materials improvements to lifetime enhancement by dedicated driving methods incl. Burn-In compensation. Valuable information for applications could be obtained from talks about touch screens, backlight optimisations and ambient light performance - in total over 40 contributions. Ferdinand Seitz, Heilbronn University received the ROBERT BOSCH Student Paper Award for his thesis about electro wetting display driving. The two-days meeting was highly appreciated by the attendees learning new things and making new contacts. Displays could be seen 'live' at the ELECTRONIC DISPLAYS AREA within the embedded world exhibition.

Call for papers and submission is active, deadlines are the 14th of September 2009 for regular papers and the 22nd of January 2010 for student papers.



NEWS

Pieter Vanbrabant, a student member attending the meeting, presents his plans to start up a student branch in Ghent University aiming at the Lowlands. His pres-

entation comprises the following topics:

- The display activities (teaching & research) at Ghent University (UGent)
- The motivation to start up the branch
- Advantages for PhD students, future PhD students and (recruiting) companies
- Possible partners & sponsors: SID, UGent, Vrije Universiteit Brussel, University of Eindhoven, Barco, Philips, German companies, ...
- Start from Ghent, later possibly expand over Mid-Europe.
- Proposed name: "Ghent - Lowlands" or just "Lowlands"
- Procedure: forms, requests, minimum number of students; communication to SID

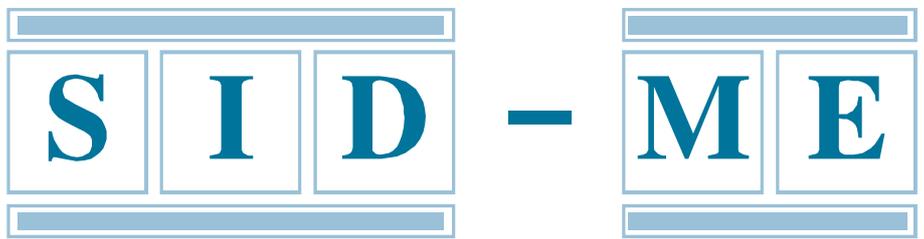
The Director welcomes the initiative. In a later phase it should be considered to also involve German Universities.

Chapter Student Award

In 2009 the award is granted to Pieter Vanbrabant (Ghent University) for his work on temperature compensated overdrive in vertically aligned liquid crystal displays.

SID-MEC General Meeting

The ME chapter presently (January 2009) has 490 members. This is 2.8% lower than January 2008 (504). However, the relative share



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of ME in the total SID membership (5878) has risen from 7.9% to 8.3%. SID-MEC is now the third largest chapter after SID-Japan (17.1%) and Korea (8.9%) and before Bay Area (7.9%) and Taiwan (6.6%).

There is still an important growth potential in the number of student members. Students pay only \$5 membership fee and are entitled to most of the benefits, such as accessing the reference database and accessing the Journal of the Society for Information Display. The fact that not more students become a member indicates that this possibility is still not sufficiently known.

Student branches can be set up if minimums of 15 student members are available. This target appears difficult to reach by a single university. Nevertheless, this year's Student Award Winner, Mr. Pieter Vanbrabant has expressed his ambition to set up a student branch for the Low Lands (Flanders + Netherlands), centered around Ghent University. It would also be possible to include German student members to attract an even larger student base.

Call for SID-ME Chapter Student Award

The SID-MEC Student Award is granted for an outstanding scientific or technical achievement in, or contribution to research on information display. The award amounts 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 student member at an institute in the SID-MEC region.

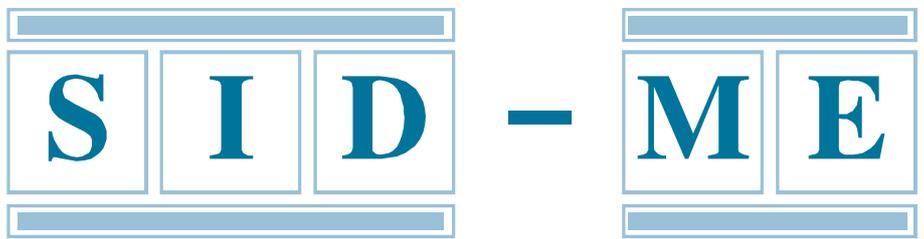
Applications should be submitted to the award committee consisting presently of: Norbert Fruehauf, Herbert De Smet and Gerrit Oversluizen.

The next award session is scheduled for the SID-MEC Spring 2010 meeting in Dresden.

For information on student membership, see below. The application deadline is January 31, 2010.

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).

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.



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SID-ME CHAPTER COMMITTEE

The SID-ME Chapter committee is now formed by:

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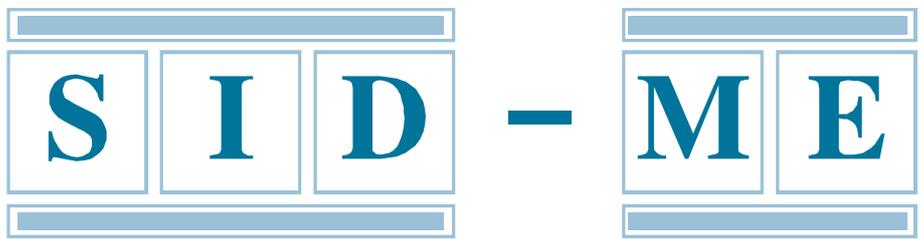
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SID PAYMENT

The SID annual membership fee amounts US\$ 100. Please note that the membership is a rolling membership, which means that it runs 12 months from the month in which the payment was made. For more information see the SID website www.sid.org.

We encourage our members to pay directly to SID-Headquarter in the USA, but if they want to pay to the Mid Europe Chapter directly the annual fee should be EUR 85 **with all bank fees covered by the member!**

SID-Mid Europe account details are the following:

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.

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