



Working Group Meeting

"Materials, Equipment &
Production Technologies for FPDs"

Invitation

**40th Working Group Meeting of the
German Flat Panel Display Forum (DFF) hosted by
M. Braun Inertgassysteme GmbH
in Garching, Germany
Wednesday / Thursday, October 19/20, 2011**



Programme

Wednesday, October 19, 2011

12:30 – 15:30 **Meeting of the Platform System Integration**

Business Campus Management GmbH
Parkring 6 / 6. OG
85748 Garching
www.businesscampus.net

15:00 – 16:30 **DFF Board Meeting**

s. above

16:30 – 18:30 **Guided Laboratory Tour**

M. Braun Inertgas-Systeme GmbH
Dieselstr. 31
Garching, Germany
Phone: +48 89 3 26 69-0

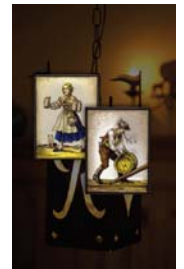
How to get there, see below.



19:00 – 22:00 **Networking Get-Together**

Participants and guests of the company tour and the DFF working group meeting will meet for a networking get-together at the

Gasthof Neuwirt
Münchener Str. 10, Garching
Phone: +49 89 3 29 12 58



Thursday, October 20, 2011

8:45 - 16:00 **40th Working Group Meeting of the German Flat Panel Display Forum**

Thematic Priority: “Materials, Equipment & Production Technologies for FPDs”

Business Campus Management GmbH
Parkring 6 / 6. OG
85748 Garching
www.businesscampus.net



The Topic

The market> With escalating demand for larger fabs, the LCD and OLED manufacturing equipment market has witnessed a growth spur. While equipment spending in 2011 is expected to shrink slightly, AMOLED, LTPS and the Chinese market will maintain spending at a healthy level. The intensifying focus on energy efficiency and the gravitation toward environment-friendly products will accelerate demand for OLED displays over the next 3-5 years.

Production Equipment> Deposition and patterning of large substrates remain major impediments for LCD and OLED manufacturing equipment providers. The use of large substrates complicates the deposition process and incurs high capital costs in terms of material deposition and relevant technical issues with throughput and uniform deposition. Greater emphasis on design and prototyping will continue to revolutionize the display manufacturing equipment markets. As the consumer industry continues to witness increasing panel sizes, the deposition with high accuracy and throughput will be a key challenge.

Display Materials> Materials and components contribute 60 to 80% of the bill of materials (BOM) of a TFT-LCD. Improvements in both LCD and OLED displays strongly rely on innovations in materials. The introduction of LEDs strongly influenced the design of light guide plates and display films. Enhancements in OLED materials determine the success of the whole OLED device. We will have a look at how European manufacturers contribute to these developments.

The meeting> The 39th DFF Working Group Meeting is hosted by M.Braun Inertgas-Systeme GmbH in Garching near Munich. On the eve of the meeting, you will have the chance to participate in the M.Braun company tour and to network in a joint get-together. Throughout the meeting, various presentations will look at new developments in materials and equipment for the production and the testing for FPDs and on new production technologies.

World Café

Invented by the American executive consultants Juanita Brown and David Isaac the World Café is a worldwide used dialog and workshop method. It invites participants to discuss key questions in small and friendly groups at tables, changing tables in order to increase "cross-pollination" of ideas. Based on the assumption that collective knowledge exists and that conversation is the core process that drives personal, business, and organizational life, the World Café tries to bring together knowledge in a relaxed atmosphere, engaging people to join in conversations on a specific theme relevant for all participants.

In "our" World Café, participants are divided into two groups on either "R&D and Product Development" or "Marketing and Sales" according their preferences. Each group will discuss specific questions at three host-tables. After a fixed time, the subgroups will rotate onto the next table/questions. At the end, the results will be presented by the hosts and discussed by all participants in the plenary.

Let's create a dynamic network of conversation in order to catalyze our collective intelligence around themes driving the display community!

Registration

Please register by fax (see last page) or e-mail by **October 14, 2011** to:
Ms Sabine Egerer
Fax.: ++49 (0)69 / 66 03-25 92
email: sabine.egerer@vdma.org

For our guests and lecturers

Please email your presentation as PDF- or PowerPoint-File to Susanne Bieller (susanne.bieller@vdma.org) by **October 17th**. Note that attachments >5MB may suffer from transmitting problems, so please send a control mail without any attachment, simultaneously. A PC (running PowerPoint 2003) and a projector will be available during the meeting. Your presentation will be published in the annex of the minutes.

All **new members and guests** are invited to briefly introduce their companies. We also want to encourage our **long-time members** to give a short update on their current activities in the materials sector. If you are interested to do so, please send a short note to Sabine Egerer (dff@vdma.org). A PowerPoint presentation template will be sent to you prior to the meeting. Please use this file for your company presentation. In order to not completely get beyond schedule, we have to restrict the short presentations to three slides.

Accommodation

For the night October 19/20 we suggest the following hotels:

Hotel König Ludwig II

Bürgerplatz 3
85748 Garching
Phone: +49 89 3 29 31-0
Rate: 89,- € (incl. breakfast)
www.hkl.de

Hotel Hoyacker Hof

Freisinger Landstr. 9A
85748 Garching
Phone: +49 89 3 26 99 00
Rate: 90,- € (incl. breakfast)
www.hoyackerhof.de

Motel One

Daimlerstr. 5a
85748 Garching
Phone: +49 89 3 60 35 25-0
Rate: 59,00 € (Breakfast 7,50 €)

Please book your rooms directly with the hotel by quoting “**DFE**” by **October 9**.

Early booking is highly recommended because of a trade show taking place in Munich at the same time.

Directions to M. Braun:

East-West Route

The leading east-west route to M.BRAUN (Garching-Hochbrück) is federal highway B 471 (Schleißheimer Strasse)

North-South route

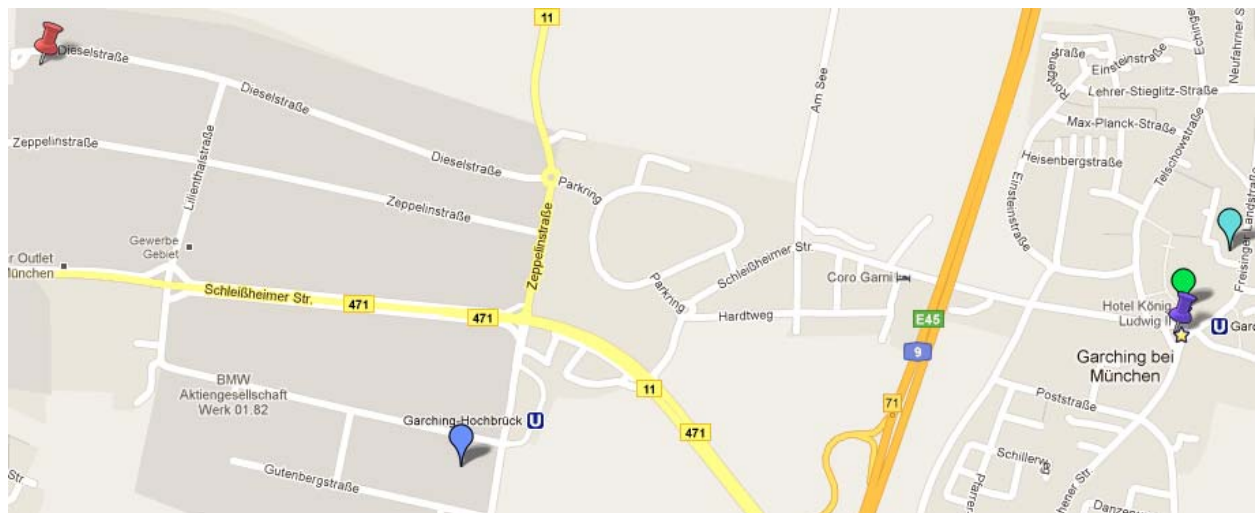
The leading north-south route to M.BRAUN (Garching-Hochbrück) is Federal Highway B 11 (Freisinger Landstrasse/Münchener Strasse) and Autobahn München-Nürnberg (Munich - Nuremberg) A 9, exit Garching Süd

Public Transport

From Munich to Garching-Hochbrück via Subway U6

Garching-Übersichtskarte:

<http://maps.google.de/maps/ms?msid=212154349615694661664.0004aa3a947c5c819e071&msa=0&ll=48.252684,11.643019&spn=0.016202,0.045447>



-  **M. Braun Inertgas-Systeme GmbH**
Dieselstraße 31 85748 Garching bei München 089 32669-0
-  **Gasthof Neuwirt**
Münchener Straße 10 85748 Garching bei München
-  **Hotel König Ludwig II.**
Bürgerplatz 3 85478 Garching bei München
-  **Hotel Hoyacker Hof**
Freisinger Landstr. 9a 85748 Garching bei München 089 326990-0
-  **Hotel Motel One München Garching**
Daimlerstr. 7 85748 Garching bei München

German Flat Panel Display Forum

DFF Working Group Meeting in Garching,
October 19/29, 2011



Fax Reply

*Please return by **October 14, 2011***

Ms Sabine Egerer
German Flat Panel Display Forum (DFF)
VDMA – The German Engineering Federation
Lyoner Str. 18

60528 Frankfurt/Main (Germany)

Fax-Nr.: ++49 (0)69 / 6603 - 2592

Please use the tick boxes to indicate the events you plan to attend:

| Event | | |
|--|---------------------------|--|
| Platform "System Integration" | October 19, 12:30 – 15:30 | <input type="checkbox"/> yes <input type="checkbox"/> no |
| Board Meeting (Board members only) | October 19, 15:00 – 16:30 | <input type="checkbox"/> yes <input type="checkbox"/> no |
| Company Tour (all participants) | October 19, 16:30 – 18:30 | <input type="checkbox"/> yes <input type="checkbox"/> no |
| Get-Together (all participants) | October 19, 19:00 – 22:00 | <input type="checkbox"/> yes <input type="checkbox"/> no |
| 36 th DFF Working Group Meeting (WGM) | October 19, 08:45 – 16:00 | <input type="checkbox"/> yes <input type="checkbox"/> no |
| I want to give a company presentation | (during the WGM) | <input type="checkbox"/> yes <input type="checkbox"/> no |
| Please send me the DFF-Brochure | | <input type="checkbox"/> yes <input type="checkbox"/> no |

Title, Name _____

Phone _____

Fax _____

eMail _____

Company / Institute _____

Street _____

Postal Code/City _____

Country _____

Internet Address _____

Place, Date

Signature