

## Registration

The fee for participants is 150 €. This includes conference dinner, lunch and coffee breaks. For registration please use the following link: [www.webshop.bam.de](http://www.webshop.bam.de) (for english instructions please click on british flag) under the heading „Public events“→ choose please HPLW 2009 After that fill in the registration form and transfer the registration fee until **11.09.2009** to the following account:

Name: Bundeskasse Kiel  
account No.: 210 010 30  
bank code: 210 000 00  
credit institute: Deutsche Bundesbank Filiale Kiel  
swift-code: MARKDEF1210  
IBAN: DE42210000000021001030  
purpose necessarily has to be indicated:  
109750098657 / HPLW / Your Name

## Venue

The Colloquium will take place in the Ludwig Erhard Conference Hall at the Federal Institute for Materials Research and Testing in Berlin.

The conference dinner will take place in the 207-meter-high revolving restaurant of Berlin TV Tower.

The German capital also provides numerous opportunities for additional activities at the weekend. Please indicate in your registration if you need a reservation in one of the listed there hotels. Alternatively, a list of conveniently located

hotels can be found via

[http://www.bam.de/en/ueber\\_uns/wege/hotels.htm](http://www.bam.de/en/ueber_uns/wege/hotels.htm)

## Arrival

By plane: from airport Berlin Tegel take a bus X11 to Berlin Zoo, then change U9 to Rathaus Steglitz. From there take a bus M48 in direction Zehlendorf Busallee to the station Max v. Laue Strasse  
From airport Berlin Schönefeld take S9, RB14, RB7 to Friedrichstrasse then change to S1 in direction Wannsee to the station Lichterfelde West.

More detailed information could be found under: [http://www.bam.de/en/ueber\\_uns/wege/wege\\_medien/anfahrt\\_ue.pdf](http://www.bam.de/en/ueber_uns/wege/wege_medien/anfahrt_ue.pdf)

## Contact Person

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## Second Announcement and Preliminary Program of International Colloquium High Power Laser Welding October 12<sup>th</sup>-13<sup>th</sup>, 2009



**International Colloquium  
High Power Laser Welding  
October 12<sup>th</sup>-13<sup>th</sup>, 2009**

**Scope of the conference**

On the occasion of the official opening of the new laser laboratory the BAM organizes an International Colloquium on High Power Laser Welding. The scope of the Colloquium includes welding with high power lasers as well as industrial applications of high power laser systems for material processing. One of the key points of the conference are the possibilities of the new generation of high brightness multi kilowatt solid state lasers. The participants will be given an opportunity to gain an insight into the BAM laser application lab during the conference. New high power laser facilities 16 kW disk laser and 20 kW fibre laser will be demonstrated and the recent results of the research work will be presented. The presentations of the conference will be distributed in electronic form.

**Preliminary Program**

*Mo. October 12th ,2009*

- 14:00 Prof. M. Hennecke, BAM President  
Welcome address
- 14:15 Prof. M. Rethmeier, BAM  
Presentation of Division "Safety of  
Joined Components"
- 14:45 Annual Award of Laserverbund  
Berlin Brandenburg
- 15:15 Visit of the laser laboratory
- 18:00 Conference dinner

*Tu. October 13th ,2009*

- 9:00 Prof. U. Diltthey, IIW President  
Increased productivity through  
further developed arc and beam  
welding technologies
- 9:30 Prof. S. Katayama, JWRI, Japan  
Elucidation of phenomena in high-  
power laser welding
- 10:00 Coffee break
- 10:30 Prof. G. Turichin, SPbTU, Russia  
Laser hybrid welding of new  
generation pipeline steel grades
- 11:00 Prof. F. Vollertsen, BIAS Bremen  
Thick section welding on the right  
track to industrial application

- 11:30 Prof. J. Kristensen, FORCE-  
Technology, Denmark  
Penetration and properties in hybrid  
CO<sub>2</sub>-Laser/MAG welding of  
structural steels
- 12:00 Lunch
- 13:00 Prof. U. Reisgen, ISF Aachen  
Laser submerged arc hybrid  
welding. Light meets flux
- 13:30 K. Löffler, Trumpf, Ditzingen  
New development of high power  
laser and their applications
- 14:00 U. Jasnau, SLV Rostock  
Laser-GMA-hybrid welding of joints  
between stainless and low alloyed  
steel
- 14:30 Coffee break
- 15:00 Prof. S.J. Na, KAIST, Korea  
Numerical simulation of laser-GMA  
hybrid welding
- 15:30 A. Gumenyuk, BAM  
Welding of thick walled  
constructions with a new generation  
of high power lasers
- 16:00 D. Petring, ILT Aachen  
Techniques to expand the limits in  
high power laser beam welding
- 16:30 B. Kessler, IPG Laser, Burbach  
Power development and application  
of ultra high power fiber lasers