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Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin

Dr. Norbert Burger - VDDW
Verband der Deutschen Wasser- und
Wärmezählerindustrie e.V.

Ditmar Lange, Christian Sperber – ARGE HeiWaKo
Arbeitsgemeinschaft Heiz- und
Wasserkostenverteilung e.V.



International Workshop on Water and Heat Meters

New results of current investigations and their influence on actual rules and standards

- Venue: **Physikalisch-Technische Bundesanstalt**
Bundesallee 100, 38116 Braunschweig
Kohlrausch-Building, Main lecture room (Hörsaal)
- Date: **23 October 2013**, 9:00 a.m. - 5:00 p.m.
(in connection with the regular meeting of WELMEC WG 11 taking place
on 21 and 22 October 2013 at PTB in Braunschweig)

Updated agenda

08:30 Registration

Moderation of the morning session: *Dr. Norbert Burger, VDDW*

09:00 Opening of the workshop
Prof. Dr. Roman Schwartz, PTB
Harald Jöllenbeck, VDDW
Ditmar Lange, ARGE HeiWaKo

09:30 The project “Cartridge meters and their compliance with the requirements of international regulations” – Aim, main results and consequences
Dr. Gudrun Wendt, PTB

10:00 Market surveillance in the field of water and heat meters under the special aspect of cartridge meters – Situation and peculiarities
Dr. Eckhard Steep, Staatsbetrieb für Mess- und Eichwesen Sachsen

Coffee break

10:50 Research and standardization – Mutual feedback
The influence of project results on international standardization
Chris Obst, Elster Messtechnik GmbH

11:20 Identification and marking of cartridge meters
Jürgen Westphal, Sensus GmbH

11:50 Relevance and application of cartridge meters in the submetering sector
Lars Leblang, Techem Energy Services GmbH

Lunch break

Moderation of the afternoon session: *Christian Sperber, ARGE HeiWaKo*

13:30 Investigation of flow behaviour of water in pipes and inside water meters;
Characterization of the flow by dimensionless parameters
Torsten Jahn, PTB

14:00 Recommendations of design criteria for the development of improved cartridge meters
Bernd Caspar-Petersen, Allmess GmbH

Coffee break

14:45 Special aspects of temperature sensor installation in cartridge-type heat meters
Matthias Nau, JUMO GmbH & Co. KG

15:15 Short presentations: - International point of view concerning the development
in the field of cartridge water and heat meters
Dr. Miroslava Benkova, Czech Metrology Institute

. - Current status of smart metering activities
Dr. Norbert Burger, VDDW

- Information about other current and projected scientific
activities in the field of water metering
Dr. Gudrun Wendt, PTB

16:00 **Closing words and official finish of the workshop**

16:10 – 17:00 **Forum discussion with all lecturers**
Moderation: Chris Obst, Elster Messtechnik GmbH

Additional organizational information

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Journey description: www.ptb.de>About PTB>How to find us
If you will arrive by flight via Hannover Airport, please, contact us -
we can assist you with information concerning a special shuttle service.

Reception on Tuesday, 22 October 2013:

All participants are invited to
"Restaurant Ratskeller", Domplatz, 38100 Braunschweig,
where seats are reserved under "PTB Workshop"