

Dr. Gudrun Wendt - PTB  
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](http://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"