

230th PTB Seminar

Thursday

Opening
K.-D. Sommer, PTB / Head of Division 3

Metrology in Chemistry
B. Güttler, PTB / Head of department 3.1

Thermodynamics of water, vapour and seawater
R. Feistel, Institut für Ostseeforschung Warnemünde

An overview of the IAPSO standard seawater
P.S. Ridout, Ocean Scientific International Ltd.

Lunch

Measurement uncertainty in interlaboratory comparisons of seawater conductivity samples
K.-D. Sommer (PTB / Head of Division 3),
P. Spitzer / S. Seitz, Physikalisch-Technische Bundesanstalt

Traceable measurement of conductivity and its relation to salinity
P. Spitzer / S. Seitz, Physikalisch-Technische Bundesanstalt

Temperature measurements according to the International Temperature Scale of 1990 (ITS-90) and associated uncertainties
S. Rudtsch, Physikalisch-Technische Bundesanstalt

Coffee break

Visit of laboratory

Little sightseeing tour of Braunschweig

Dinner

Program

10:30		9:00
10:40		
11:10		9:30
11:50		10:00
12:20		
13:30		10:30
14:00		10:50
14:30		11:20
15:00		11:50
15:30		12:30
19:00		
20:30		

September 13/14, 2007

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Conductivity and salinity – Leitfähigkeit und Salinität

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Friday

IUPAC project on metrological traceability of measurement results in chemistry, a general approach for all measurement types
P. de Bièvre,
Independent Consultant on Metrology in Chemistry

Conductivity measurements - main problems and some possible ways of accuracy improving
M. Surdu, Institute of Electrodynamics NASU / Kiev

Experiences with novel secondary conductivity sensors within the German Calibration Service
U. Breul, Zentrum für Messen und Kalibrieren, Sachsen-Anhalt

Coffee break

Optical refractometry method -scientific motivation in the context of marine research and possible technical realisations
C. Waldmann, University of Bremen/MARUM

Determination of water density: Limitations at the uncertainty level of 1 ppm
H. Wolf, Physikalisch-Technische Bundesanstalt

Round table discussion

Closure

Financial Support:

The seminar is supported by the Helmholtz-Fonds e.V.



Participation fees: 130 Euro; Reduction for full time employees of government and universities: 65 Euro.

Fees includes refreshments, lunch, social programme and conference proceedings.

230. PTB-Seminar
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BLZ 700 700 10
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BIC: DEUTDEMMXXX
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Date of payment: 07/09/2007

Conference venue:

PTB, Kohlrausch-Building, Lecture room A

For hotel booking see:

Book Hotels online
<http://www.braunschweig.de/english/touristservice/hotels/index.html>

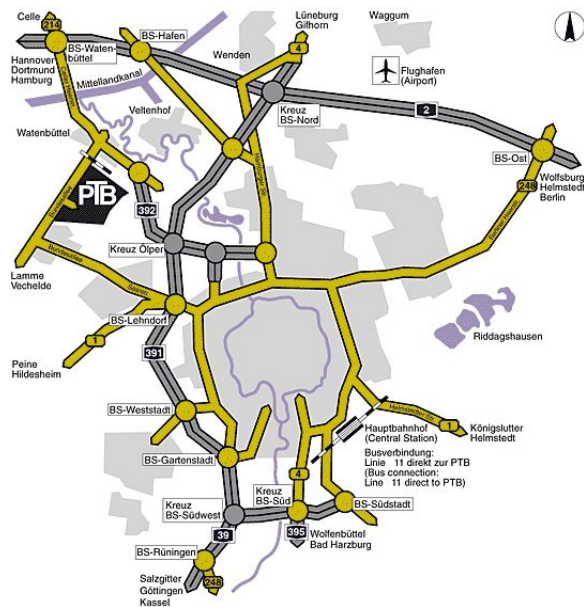
Information:

[http:// www.ptb.de](http://www.ptb.de)

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Welcome to Braunschweig
<http://www.ptb.de>

Access to PTB



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Conductivity and salinity

Leitfähigkeit und Salinität

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Organized by

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