

## Venue

Kloster Drübeck is picturesquely situated close to the northern border of the Harz Mountains between the historic towns of Ilsenburg and Wernigerode. The former Benediktiner convent dates back to the 10th century. In 980 Otto the Great donated land to the convent. His successor granted the abbesses jurisdiction which gave them a privileged position in the area.

At the end of the 17<sup>th</sup> century the Earls of Stolberg-Wernigerode became owners of the convent and changed it into a Damenstift (prestigious independent charitable institution for highly-titled ladies). The oldest still existing gardens can be traced back to this time. In the 20th century the institution once more changed and became a sanatorium. At the end of the 20<sup>th</sup> century liquidated buildings and land were bought back and all parts underwent comprehensive modernization. For several years now the premises have been used as hotel and conference site.

## Practical information

- **Level:** PhD students
- **Language Requirement:** English proficiency
- **Technical Requirement:** Laptop computer
- **Fees:** Each student is responsible for the cost for accommodation including breakfast (37 € per night). Travel arrangements have to be made and paid for individually. All other cost including social events will be covered by Helmholtz-Fonds e. V..

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Helmholtz-Fonds e. V.



# International Summer School on Metrology 2015

24–28 August 2015

SI-Units  
Measurement Uncertainty



## Introduction

Metrology – the science of correct measurement – is an essential cornerstone of our industrialized society. It has an impact on essentially every aspect of our lives, but is seldom visible to outside eyes. Its continued reliability is typically taken as granted. Metrological progress is a key enabler for technical development and, thus, for innovation. Given the prevailing economic and social challenges we are faced with, the role and the further development of metrology is therefore of extraordinary importance for progress in technology and science.



Supporting tomorrow's experts in academia and industry in this context is of special importance and is an integral part of PTB's philosophy. To foster metrological knowledge, PTB with support of the Helmholtz-Fonds e. V. and in cooperation with the Braunschweig International Graduate School of Metrology will be holding an international summer school on metrology from the 24<sup>th</sup> to the 28<sup>th</sup> of August 2015 at Kloster Drübeck, which is located about 50 km south of Braunschweig at the border of the Harz mountains.

## Target Group

We welcome applications from those engaged in natural sciences and engineering research. There will be 70 places available for German and international PhD students. The school will be conducted in English. It will feature a strong interactive element and the opportunity for attendees to network with our speakers, thus a good standard of comprehension and of spoken English is essential.

## Program

The school has been designed to give insights into contemporary metrological issues as well as imparting metrological core concepts. The school will consist of keynote presentations by expert speakers, in particular related to the redefinition of units and their practical application, a practical course on the estimation of measurement uncertainties, poster presentations, and social events.

## Social events

- Barbecue
- Guided tour through Kloster Drübeck

## Accommodation

Accommodation is organized centrally. All attendees are housed on the premises of Kloster Drübeck, typically in double rooms.

## Registration

Registration is open until 7 May 2015. Successful applicants will be notified by email about a week after the deadline. All attendees are expected to give a poster presentation on their PhD project and therefore are asked to submit an abstract of their PhD research together with their registration. For the practical course on measurement uncertainty a laptop computer is required. Software needed for the course will be provided as download via the webpage of the summer school about two weeks before the start of the school.

## Grant

Participants from developing and newly industrialized countries are eligible to apply for a grant to attend the summer school. The grants provided by the Federal Ministry for Economic Cooperation and Development will cover accommodation and travel expenses.

