

You would like to enroll at B-IGSM?

There are a bunch of reasons why starting your career with a PhD at TU Braunschweig of PTB.

- Are you fascinated by particular topics in science and engineering?
- Would you like to be guided and collaborate with the world's best and brightest researchers and innovators?
- Do you prefer doing research in state-of-the-art facilities and with the latest technologies?

We are ambitious, visionary and want to do our share to advance the world by metrology.

For enrolment you should have a Master's or equivalent degree in physics, chemistry, electrical or mechanical engineering, mathematics, information science or other related fields.

You don't have a PhD position either at TU Braunschweig or PTB yet? Please have a look at the respective webpages for open PhD positions.

Your application should include

- a letter of motivation including your expectations regarding B-IGSM and metrology
- your CV
- an outline of your PhD project

You may submit an application for enrolment at any time to igsm@tu-bs.de.

Braunschweig International Graduate School of Metrology

- is a unique training center for the science and application of traceable measurements
- implements a well-structured curriculum
- combines the capabilities and strategies of Technische Universität Braunschweig and Physikalisch-Technische Bundesanstalt
- has an international approach
- supports a global network of metrologists
- provides optimum career opportunities

Contact

Judith Krakowski (Coordinator)

Braunschweig International
Graduate School of Metrology

Hans-Sommer-Straße 66
D-38106 Braunschweig

+49 (0) 531 391 38 59

igsm@tu-bs.de

www.igsm.tu-bs.de

Braunschweig International Graduate School of Metrology



What is B-IGSM ?

Metrology – the science of correct measurement – is an essential cornerstone of our industrialized society which is based on the division of labour. Metrology has an impact on practically every aspect of our lives, and 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 of extraordinary importance for progress in technology and science.

Germany's oldest and renowned technical university, TU Braunschweig, and one of the top measurement institutions in the world, Physikalisch-Technische Bundesanstalt, joined forces to establish an international metrological training center – Braunschweig International Graduate School of Metrology – to foster metrological knowledge in all areas of science and engineering. Our research fields are in particular Metrology for Society, Industrial Metrology and Fundamentals of Metrology.

What does B-IGSM offer ?

B-IGSM offers a structured doctorate in cutting edge research combined with a metrological qualification program where a metrological certificate can be earned. The graduate school supports its PhD students in acquiring key competences in metrology by offering a curriculum on metrological concepts and research as well as on structures of metrology and regulatory activities.

The curriculum is supplemented by seminars, topical courses e.g., on scientific writing and international summer schools. Scientists of TU Braunschweig and PTB team up to serve as advisors of B-IGSM's PhD researchers.

Studying successfully at B-IGSM will qualify you for both an academic as well as an industrial career. You will be supported with an individually developed career plan and enabled to develop and strengthen key competences for your future professional career.

Joint trips to the famous Herrenhausen Gardens in Hanover or traditional Christmas markets will offer a cultural experience that we are sure you will remember for the rest of your life.

Where is B-IGSM ?

Braunschweig, the former residence of Henry the Lion (1129–1195) is a vibrant modern city located in the federal state of Lower Saxony, Germany. Having a population of 245 000, the city is big enough to feel cosmopolitan and still small enough to feel like home. The research region Braunschweig has the highest density of scientists and engineers in Europe working at internationally renowned academic and industrial research facilities.

Braunschweig offers a high quality of life with a high level of public security, affordable cost of living and a wide range of leisure activities. The Staatstheater offers drama, dance, music and opera. Various small theatres provide alternative and experimental productions. A great number of festivals and cultural events throughout the year attract wellknown names. Cinemas range from arthouse programs to more mainstream features at an 8-screen multiplex.

Braunschweig is a green city with numerous parks and open spaces. Its countryside provides lots of opportunities for retreating to places of natural beauty and historical interest like the Harz mountains or the Lüneburger Heide. Wolfsburg, the home of Volkswagen car production, and the city of Hanover are within an hour's drive by public transport. Berlin and Hamburg can be reached in less than two hours.