

SMART PROJECT –Third International Meeting in Gothenburg(Sweden)

The Third International Meeting will be held in Gothenburg (Sweden) from 4th to 6th May 2015 at the Chalmers University of technology.

The first day will be dedicated to an introduction of Chalmers University and to the presentation of the online course Sommermatte and of the use of Maple TA.

On the second day the focus will be on the SMART Project, with the illustration of some examples of didactic materials in Mathematics and Science and the definition of the open online courses structure.

The third day will be dedicated to a guided tour of the Science Centre Universeum.

Chalmers University of Technology in Gothenburg, Sweden, is considered one of Sweden's most distinguished technical universities. The university's programs are focused on research and teaching within technology and natural science, and mathematics is foundational to all technical programs offered at Chalmers. Since 2008, they have been using Maple T.A. to deliver, administer and grade mathematics courses. What started as a tool to deploy online summer courses turned into a technology to teach and grade parts of several mathematics courses all year round. The benefit of using Maple T.A. was so evident that the university recently adopted it for all 15,000 of its students and staff. Maple T.A. is a testing and assessment system that supports complex, free-form entry of equations and intelligent evaluation of responses, making it ideal for science, technology, engineering and mathematics (STEM) education. It offers an advanced authoring environment that lets professors create high quality, custom content easily, and it does the marking automatically, making it simple to analyse the results.

CHALMERS UNIVERSITY OF TECHNOLOGY.



It is a Swedish university located in Gothenburg that focuses on research and education in technology, natural science, architecture, maritime and other management areas.

The University was founded in 1829 following a donation by William Chalmers, a director of the Swedish East India Company. He donated part of his fortune for the establishment of an "industrial school". Chalmers was run as a private institution until 1937, when the institute became a state-owned university. In 1994, the school was incorporated as an aktiebolag under the control of the Swedish Government, the faculty and the Student

Union. Chalmers is one of only three universities in Sweden which are named after a person, the other two being Karolinska Institutet and Linnaeus University.

On 1st January 2005, the old schools were replaced by new departments: Applied Information Technology, Applied Mechanics, Applied Physics, Architecture, Chemical and Biological Engineering, Civil and Environmental Engineering, Computer Science and Engineering, Energy and Environment, Fundamental Physics, Materials and Manufacturing Technology, Mathematical Sciences, Microtechnology and Nanoscience, Product and Production Development, Radio and Space Science, Shipping and Marine Technology, Signals and Systems and Technology Management and Economics

In addition to these, Chalmers is home to six national competence centres in key fields like Mathematical Modelling, Environmental Science and Vehicle Safety.

Approximately 40% of Sweden's graduate engineers and architects are educated at Chalmers. Each year, around 250 post graduate degrees are awarded as well as 850 graduate degrees. About 1,000 post-graduate students attend programmes at the university and many students are taking Master of Science engineering programmes and the Master of Architecture programme. From 2007, all Master's programmes are taught in English for both national and international students. This was a result of the adaptation to the Bologna process that started in 2004 at Chalmers (as the first technical university in Sweden). Currently, about 10% of all students at Chalmers come from countries outside Sweden to enroll in a Master's or PhD program.

Around 2,700 students also attend Bachelor of Science engineering programmes, merchant marine and other undergraduate courses at Campus Lindholmen. Chalmers also shares some students with Gothenburg University in the joint IT University project. The IT University focuses exclusively on information technology and offers Bachelor and Master programmes with degrees issued from either Chalmers or Gothenburg University, depending on the programme.

Chalmers confers honorary doctoral degrees to people outside the university who have shown great merit in their research or in society.

Chalmers has partnerships with major industries mostly in the Gothenburg region such as Ericsson, Volvo, and SKF. The University has general exchange agreements with many European and U.S. universities and maintains a special exchange program agreement with National Chiao Tung University (NCTU) in Taiwan where the exchange students from the two universities maintains offices for, among other things, helping local students with applying and preparing for an exchange year as well as acting as representatives (NCTU Europe – NCTU students at Chalmers, Chalmers Asia – Chalmers students at NCTU). It contributes also to the Top Industrial Managers for Europe (TIME) network.

A close collaboration between the Department of Computer Science and Engineering at Chalmers and ICVR at ETH Zurich is being established. As of 2014, Chalmers University of Technology is a member of the IDEA League network.

GOTHENBURG



Gothenburg, on the west coast of Sweden, is the biggest port in the Nordic region. It is a city of bridges, hills, water, trams and seafood restaurants. With its 500 000 inhabitants, Gothenburg combines the safety and intimacy of the small town with the possibilities of the big city.

The city has a friendly atmosphere with plenty of cafés, restaurants and pubs, wide avenues and beautiful parks and gardens. You'll find gastronomic treats everywhere – the delicious local seafood is prepared painstakingly by dedicated chefs at the many acclaimed restaurant.

About Universeum



Universeum is located in the heart of Gothenburg and is Scandinavia's largest science centre. Throughout its seven floors you can experience life-size dinosaurs, a tropical rainforest, huge aquariums and lots of exciting experiments – on your own or with the Universeum guides.

Universeum is a place where play leads to knowledge. Here animals and nature mix with new technology and exciting experiments. Go on a rainforest safari, dive into the depths in the Ocean Zone or build your own super hero in the exhibition Nature's Super Powers. A visit to Universeum is an unforgettable adventure...