Overview of the International Activities in 2014

Delegation Visits to Our Partner Universities

Romania

In May, a delegation from our university, Dr. D. Ebling (Vice President for Research and Transfer), Prof. Dr. J. Niemann, his assistant Ms. Cl. Fussenecker and Dr. M. Katz (Director of the International Office) visited the Technical University Cluj, Romania for a week, to enhance cooperation in teaching and research between the institutions. A Memorandum of Understanding for the establishment of a Joint Master Degree Program in Industrial Engineering was undersigned.

Türkei

Again in May, another delegation from our university Prof. Dr. K. Schwister (Dean of our Department), Prof. Dr. A. C. Benim, (Departmental Coordinator International Affairs) and Dr. M. Katz (Director of International Office) visited our partner universities in Turkey: Bahcesehir University (BU), Istanbul University (IU), Istanbul Technical (ITU) Sakarya University (SU), Yildiz Technical University (YTU), within a period of one week, to explore potentials for improving cooperation in teaching and research.

Left to right: Prof. Schwister, Assist. Prof. A. Ergenc (YTU), a Student (YTU), Prof. Benim
In the Laboratory for Automotive Engineering
Staff Mobility

Prof. Dr. A. Pisla and Prof. Dr. D. Pisla (Vice Dean), from TU Cluj, Romania, invited by Prof. Niemann, visited our university for a week, in December 2014, within the framework of the Erasmus Program.

In 2014 Britta Zupfer spent one week at the Yildiz Technical University in Istanbul, Turkey. Invited by Prof. Dr. Orkun Özener in the framework of the ERASMUS teaching programme she taught German to many students who were interested in starting a new foreign language or who enjoyed practising and improving their German skills. In particular those students who participate in the university’s racing team were keen on technical terms that can be useful during their stay at the Hockenheim in 2015. Many Turkish students could also imagine taking part in an ERASMUS exchange with our university. The Yildiz Technical University is definitely an attractive option since many courses are offered in English for exchange students.

Dr. Pawel Oclon from TU Cracow, Poland visited CFD Lab of Prof. Benim, for a week in January 2014. The subject was a research cooperation on the development of an efficient flow solver within the habilitation research of Dr. Oclon.

Prof. Benim visited in October 2014 Beijing, People’s Republic of China. For exploring potentials for cooperation in teaching and research with Chinese universities and research institutions. He made several presentations at the University of Chinese Academy of Sciences and at the Institute of Crustal Dynamics. In these talks, he presented our university as an attractive site for study and research. He also made presentations on his research fields.
International Research

Prof. Weber continued his international research in different projects. With his team (Umweltmesstechnik (UMT)) he investigated the Sahara dust cloud on behalf of the „Deutscher Wetterdienst“ (DWD). Here, two planes were used: a single-engined Flight Design CT and a twin-engined Diamond DA 42. He collaborated with NASA and the Univ. of Costa Rica in a research campaign at Volcano Turrialba. He joined the AERO 2014 Exhibition in Friedrichshaven.

Student Mobility

Incomings

Our university is a member of the Indo German Center for Higher Education (IGCHE). Although different engineering disciplines are covered by IGCHE, our membership holds for Mechanical Engineering, i.e. for our department.

Within this framework, two students of PSG Institute of Advance Studies, Coimbatore, India, Sanjay (left) and Babu (right) have been spending their final year in Düsseldorf, to acquire B.Eng. in our degree program Product Development and Production. In addition, 9 students from Turkey (from Bahcesehir Univ.: Ahmad, Muhammet, Seyfettin, from Yildiz Technical Univ.: Batuhan, Emre, Sabri, from Ondokuz Mayis Univ.: Özlem, Göker (low left) from Sakarya Univ.: Taha (low right)), 2 students from Netherlands (from Fontys University of Applied Sciences, Eindhoven: Felix, Lucas), and 1 student from Portugal (Politécnicode Lisboa: Ruben visited our department.

Outgoings

Also in this year, a number of our students visited institutions in foreign countries for their studies. Nina Maimuna Balde, Kenn David, Dean Jurnicek, Eva Vogel, Kenn David, visited Polytechnic University of Valencia (Spain). Saari El-Kurd and Timur Ince visited Yildiz Technical University, Istanbul (Turkey). Oguz Yavuz visited San Diego State University (USA).

As reported by Prof. Kiel and Prof. Neef, two students performed their internship (Praxissemester) in abroad: Said El-Kurd (UK) and Christian Bonk (USA).
**ASME Turbo Expo 2014**

ASME Turbo Expo is worldwide the most important conference series in turbomachinery. During 16-20 June, 2014, the conference took place in Düsseldorf, at the Exhibition Centre. Besides contributing to the technical program with two presentations and three student posters, Prof. Kameier, Prof. Neef and Prof. Benim were involved in the organization. The local organisation committee, assisted by Ms. Pia Hasselbach (FHD Master student) was managed by Prof. Kameier. For daily assistance, totally 40 students form the NRW-universities were engaged, 12 being form our university. Prof. Neef and Prof. Benim were additionally involved as reviewers and Session Chairs.

**Publications in International Conferences**


Stenzel, N., „Influence of the volute geometry on impeller efficiency in centrifugal fans” Poster, ASME Turbo Expo 2014 D’dorf

Niemann, Jörg; Pisla, Adrian: Lean logisitc by application of material flow simulation, in: 2014 International Conference on Production Research – Africa, Europe, Middle East 3rd International Conference on Quality and Innovation in Engineering and Management, July 02-04, Cluj-Napoca, Romania


**With her excellent presentation, Ms. Claudia Fussenecer won the Best Paper Award of the Conference.**

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**EDITORIAL STAFF**

**Prof. Dr. A. C. Benim** (alicemal.benim@fh-duesseldorf.de)  
**T. Atalay** (tuba.atalay@fh-duesseldorf.de)

This is an overview, which is not claimed to be exhaustive. Some activities have been omitted due to space limitations. We apologize, in advance, for any activity that might have unintentionally be omitted due to an oversight.