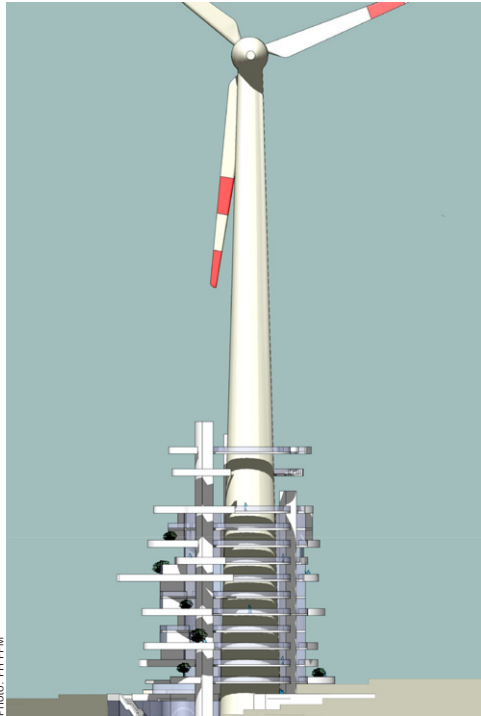


International
NEWSLETTER

RESEARCH AND INNOVATION

Aesthetics meets wind energy



Wind plant: one example of additional use.

could have additional use within their surroundings. The design group was led by two architects, Prof. Jean Heemskerk und Prof. Wolfgang Dunkelau, and advised by Professor of Law Erich Schöndorf (Faculty of Business and Law). The different projects produced a large variety of aesthetic options and received much attention during an exhibition in March 2012. The research project will be continued, this time for the region of Braunschweig in Northern Germany.

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The use of wind energy has to be increased massively throughout Germany in order to successfully accomplish the national energy change plan by 2020. But the installation of wind power plants very often leads to conflicts with concerned residents. With this in mind, 20 architecture and urbanism master students followed the request of a developer and the municipality of Greifenstein and investigated the integration of four projected wind power plants into the local environment. The students focused their design on the question of how to improve the aesthetic performance of the power plants and how they



Another example of additional use.

EDITORIAL



President Dr.-Ing. Detlev Buchholz

Dear readers,

Our university aims to further improve services for international students. This relates particularly to our efforts towards cultural and language integration of students (especially those studying on English taught programs). Career oriented services will also become more and more important for us to offer (entrepreneurship, re-entry into the home country, the German labour market). We took part in the latest round of the International Student Barometer survey and are currently discussing which lessons to learn from the students' responses. I am very confident that our staff will be keen to help international students experience not only a sound academic education at Fachhochschule Frankfurt but also a first class service provision.

Sincerely yours,

Dr.-Ing. Detlev Buchholz



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Structure, culture, and women in corporate leadership



Photo: Ziegler/Graml

Women in leadership: need for change.

In a survey, 1,801 female professionals offered a detailed insight into the world of working mothers in Germany. The results are disillusioning: although companies formally meet the many needs of working mothers, it is still challenging to balance raising children and pursuing a career. For 72 percent of the women af-

(Under-)Representation of women in leadership is the research topic of Prof. Dr. Yvonne Ziegler and Prof. Dr. Regine Graml. The two professors recently presented the findings of two projects. The "Frankfurt Career Study" explored the career perspectives of working mothers. In a

fect, upcoming career steps during pregnancy were either put on hold or cancelled. Additionally, in many cases, returning to work after parental leave is all

but smooth. Respondents suggested the following for improvement: more qualified part-time work and a change in awareness that being a capable manager and a responsible mother is compatible. The 2nd project, "Gender Diversity Culture Check", is based on the hypothesis that the acceptance of women in leadership positions is essentially influenced by corporate culture. Research here aims to identify the relevant and specific cultural factors that can increase the number and acceptance of women in management positions sustainably. However, the latest empirical data indicates that there is no significant increase of women in leading management positions. Taken into consideration, a substantial change in structure and culture is needed.

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RESEARCH AND INNOVATION

Drug use: improving the health and social conditions in European prisons



Photo: Stöver

Prof. Dr. Heino Stöver.

within prison walls often remains a taboo for both prisoners and staff. Moreover, a lacking continuity of care and support throughout the criminal justice system, contributes to a failure in reintegration, creating a "revolving door" with drug users routinely caught in the

The majority of individuals held in European prisons have massive health and social problems. Drug users constitute a substantial proportion of the prison population. Acknowledging the existence of a drug problem

criminal justice system through multiple arrests and periods of detention. The Institute of Ad-

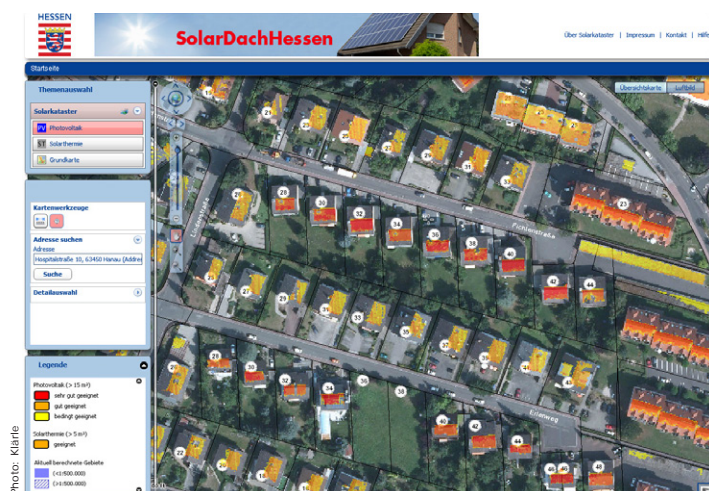
diction Research at Fachhochschule Frankfurt is active in many ways in the field to improve the health and social well-being of prisoners. Currently, the Institute is conducting an international "Overview of the legislation, policy and practice concerning harm reduction services provided for problem drug users in European Prisons". Furthermore, the institute is developing a Guide for a "Prison-based Needle/Syringe Exchange Programme" for the United Nations Office for Drugs and Crime. With various other activities, the institute is aiming at scaling up services for prisoners and staff members, either in cooperation with the World Health Organisation or other international organisations.

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More information on the web: www.accessproject.eu | www.gesundinhaft.eu | www.isff.de

Solar energy: a Do-it-Yourself web tool to show solar potential for individual buildings



The web interface of the solar roof register "SolarDachHessen".

"SolarDachHessen" is going to be the first solar roof register for the total area of a Federal State in Germany. The pilot project results were presented to the public in April 2012. The register provides detailed information about the solar potential of more than half a

million roof tops in the RheinMain metropolitan area. Requested and funded by the Ministry of the Environment

of the State of Hesse, Prof. Dr. Martina Klärle was responsible for developing the first solar roof register worldwide on such a big scale. More than 580,000 buildings were analysed. The results show that 41% of the roofs are suitable to produce electricity by photovoltaic-systems. Even more (51%) are suitable to produce solar heat. For the metropolitan region of Frankfurt this means that approximately 25% of total electricity consumption (households, business, industry etc.) could be covered by electricity production on local roofs. "SolarDachHessen" is a service offered by the State of Hesse free of charge. Every citizen or home owner can view and download the results for every single house via a web-GIS application.

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TEACHING AND LEARNING

International weeks: valuable input from abroad



The Dean of the Faculty of Business and Law, Prof. Dr. Yvonne Ziegler, with the Chinese delegation during the reception at the city hall.

As part of the international weeks of the Faculty of Business and Law as well as the Faculty of Health and Social Work, Fachhochschule Frankfurt recently hosted 30 guest lecturers from abroad. At the Faculty of Business and Law, 25 guests coming from 20 higher education institutions in the United Kingdom, China, Russia, Finland, Poland, Portugal, Switzerland, Belgium and the Netherlands held lectures on business law, accounting and finance, logistics as well as international marketing and management. At the international week of the Faculty of Health and Social Work guest lecturers came from Israel and Switzerland. Topics included

pain treatment, social work and gender roles in European comparison, and trauma treatment.

A reception at Frankfurt's historical city hall "Römer" and day trips within the Frankfurt/RheinMain metropolitan area were part of the events. This year the number of international lecturers almost doubled in comparison to the previous year – a clear indication of Fachhochschule Frankfurt's attractiveness and appeal for international cooperation.

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Fachhochschule wins EU-Programme tender for aviation project in India



Photo: Shutterstock

Fachhochschule's MBA Aviation Management goes international.

The European Union has awarded an Aviation Diploma project to the Faculty of Business and Law of Fachhochschule Frankfurt. The project aims to support the Indian aviation sector with urgently needed highly qualified staff and to establish institutional networks between European and Indian institutions. It consists of the establishment of the Faculty's MBA in Aviation Management in India as well as joint research and conference activities. The MBA in Aviation Management will be established in Delhi. The Indian partner in

the project, the University of Petroleum and Energy Studies (UPES), will support the

project by providing faculty staff. The four semester part time programme is designed for students with an undergraduate degree and at least three years of professional experience who aim to assume managerial responsibilities in the aviation industry, possibly in an international context. The course is based on the Fachhochschule's English-language part-time programme in Aviation Management, the only one of its kind in Germany, launched in 2011. "We are pleased to have been chosen by the EU" says Professor Dr. Yvonne Ziegler, Dean of the Faculty of Business and Law, "we will build valuable institutional und scientific ties, and we now have the unique opportunity to prepare students on the spot for the challenges arising in the highly dynamic Indian aviation sector".

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Urban Agglomerations intensifies exchange with Sweden



Photo: Günther

Exchange with the University of Malmö.

In March 2012, a group of 20 students and professors from the University of Malmö, Sweden visited Frankfurt for a week. Thanks to a lively cooperation between the two Master Programmes, "Sustainable Urban Management" (Malmö) and "Urban Agglomerations" (Fach-

hochschule Frankfurt), the visiting international students and lecturers had the possibility to exchange

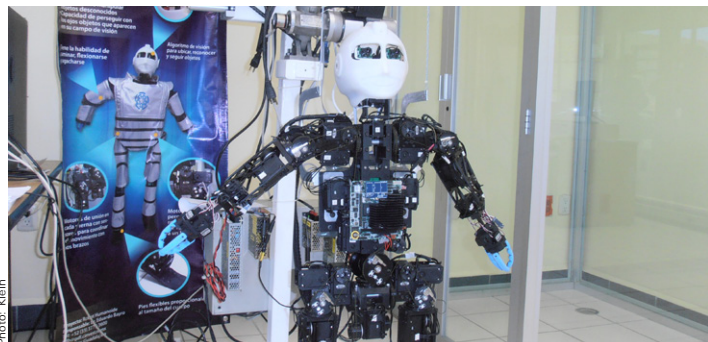
experiences and knowledge. The agenda was tightly knitted, consisting of presentations and discussions at the university as well as visits to the Regionalverband RheinMain and the Stadtplanungsamt Frankfurt. Additionally, the entire group went on a two-day excursion to Freiburg and Tübingen to explore modern urban quarters and historical, medieval cities. Professionally guided tours through Vauban and Rieselfeld in Freiburg and Südstadt in Tübingen provided the necessary background information to these unique concepts of a more sustainable urban development.

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Ageing in quick motion – Insights from a visit to Mexico as part of the Marie Curie Project MATSIQUEL



"Mex-One" is Mexico's first humanoid robot.

From 2011-2013 Fachhochschule Frankfurt is partnering with the Marie Curie research staff exchange project "Models for Ageing and Technological Solutions for Improving and Enhancing the Quality of Life" (MATSIQUEL, EU FP 7/PEOPLE). As part of this project, Prof. Dr. Barbara Klein recently had the opportunity to visit the Universidad Nacional Autónoma de México. During her one-month stay, Prof. Dr. Klein collaborated with the international research group on the changes in the

Mexican health-care sector. With 110 million inhabitants, Mexico is one of the largest countries

in terms of population. 31% of its population is under the age of 15, which makes it also a comparatively "young" country. However, due to a variety of factors life expectancy is continuously increasing. It is estimated that the number of older Mexicans will increase dramatically from 7.2 million today to up to 40 million in 2030, which poses a demographic challenge for the national healthcare system. To tackle this challenge and to develop adequate strategies, the Institute of Geriatrics was recently established. Among others, highlights of Prof. Dr. Klein's stay were a visit to the world's oldest hospital and an encounter with Prof. Dr. Eduardo Bayro-Corrochano who developed Mexico's first humanoid robot "Mex-One".

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New partners from Greece and Jordan

Fachhochschule Frankfurt and the Technological Education Institute (T.E.I.) of Athens recently signed an institution-wide agreement for academic cooperation. The spectrum of programmes at both institutions allows for mutual activities in many fields like Computer Science, Engineering, Business and Nursing. The T.E.I. is the largest of its kind in Greece. Its interest relates to broadening cooperation with German higher education institutions. Surprisingly, Fachhochschule Frankfurt has had no stable relationship with any Greek university over the last two decades. Frankfurt will focus on academic cooperation primarily in the fields of Energy Engineering, Geo-Information, Tourism Management and Nursing. The partnership will extend our student and staff exchange portfolio. About 80 Greek students are currently enrolled at Fachhochschule Frankfurt,

predominantly children from migrant families, for whom we are now able to offer an interest-

ing exchange opportunity. Fachhochschule also joins the German network linked to the German-Jordan University (GJU) in Amman. The outcome of recent talks was to increase the number of Jordan students who will spend their mandatory year in Frankfurt and to extend the fields of cooperation to Architecture, various Engineering programmes and Business Studies. Frankfurt students will have their first opportunity to go to the Arab world on an exchange.

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