

## Simulation service *for orthopaedic surgeons*

Technology Transfer Center Cracow University of Technology is currently participating in an E-ten project, the objective of which is to validate the potential market at European scale for introducing a new service called 'The European Simulation Service Provider for orthopaedic surgery' (ORTHOSIM). The ORTHOSIM project is aimed at both the health community and the implant industry. ORTHOSIM is to deliver virtual preoperative analyses of the behavior of an orthopaedic implant after implantation in a customized implant-patient configuration.

ORTHOSIM is based on a technology previously developed within an IST Craft project called DEVASPIM (<http://www.devaspim.com>). *Mywebspine.com* is a service platform that resulted from the 'DEVASPIM' project. This service via internet is based on a highly sophisticated and clinically validated Finite Element Model (FEM) of the lumbar spine and different spine implants evaluated. The FEM model offers the possibility to analyze the mechanical properties of implants and the implant-human configuration – in consequence, it is possible to detect cases of likely implant failure, through calculation of stress loads on a specific orthopaedic implant in a real case clinical scenario.

Although there are currently different FEMs, none of them has been provided to the health community as an open consultation system for surgeons or manufacturers, due to their complexity and cost. ORTHOSIM will present a further step in a widespread implementation of this technology to the market, as it will be a user oriented, input-output interface delivering results of calculations carried out at the research center (owner of the FEM model) based on parameters delivered by surgeons and manufacturers.

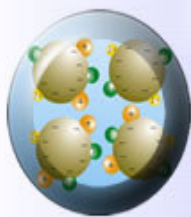
Aside from providing simulation services, results of the ORTHOSIM project will also include information and promotional services. It is expected that the ORTHOSIM service will be of great value to orthopaedic surgeons, implant manufacturers, researchers and students.

If You wish to receive more information on the project, please contact Mr. Lukasz Nikitin at [nikitin@transfer.edu.pl](mailto:nikitin@transfer.edu.pl).

**Lukasz Nikitin**  
Technology Transfer Centre  
Cracow University of Technology (TTC  
CUT)  
Warszawska Street 24

**PL-31-155 Krakow**  
tel: (+48 12) 632 51 44 ext.38, 628 26 83  
fax: (+48 12) 628 26 83  
e-mail: [nikitin@transfer.edu.pl](mailto:nikitin@transfer.edu.pl)  
[www.transfer.edu.pl](http://www.transfer.edu.pl)

---



## International Workshop on Frontiers and Interfaces of Ion Exchange



*June 11-16, 2006 Antalya-Turkey*

The field of ion exchange is very broad and permeates into catalysis, drug delivery, sensors, bioseparation, membranes, ore beneficiation, metallurgy, food purification, polymer synthesis, inorganic materials, biorenewable energy, water treatment, environmental processes, nanotechnology and several others.

The primary thrust of the workshop is to serve as a vibrant inter-disciplinary platform for sharing of new knowledge in the field of ion exchange by bringing researchers and professionals from diverse areas of science and engineering.

### **Important Dates:**

Abstract Deadline: **February 1st, 2006**

Advanced Registration Deadline: **March 1st, 2006**

### **Scientific Contact:**

**Nalan Kabay**

**Ege University, Izmir, Turkey**

**e-mail : [nalan.kabay@ege.edu.tr](mailto:nalan.kabay@ege.edu.tr)**

**e-mail : [nalan.kabay@gmail.com](mailto:nalan.kabay@gmail.com)**

**e-mail : [kabaynalan@hotmail.com](mailto:kabaynalan@hotmail.com)**

**Congress Secretariat: Dahlia Tour**

**Phone : 00 90 232 464 88 30**

**Fax : 00 90 232 464 88 31**

**E-mail : [kayit@dalyatur.com](mailto:kayit@dalyatur.com)**

**For further information:**

**<http://www.dalyatur.com/iew2006>**

### **SPECIFIC SUPPORT ACTION FOR FOREST BASED AND RELATED INDUSTRIES.**



Technology Transfer Center Cracow University of Technology is the partner of the WOODISM Project, which aims at stimulating, encouraging and facilitating the participation of small and medium-sized enterprises of the forest-based and related industries (F-BI) in FP6, with a particular focus on the New Instruments.

The project intends to support exchange and assimilation of innovative technologies in the SMEs in wood-based business. By gathering, analysing and disseminating information on S&T developments, needs, applications and markets, the project will build a bridge between the F-BI and other sectors (and vice versa). This will stimulate the economic and technological intelligence, encourage innovation transfer between different industrial and handicraft sectors and increase the competitiveness of SMEs in the forestry/wood chain. Finally, WOODISM will contribute to increase the use of wood in housing and industry, an important contribution to tackle climate change, like it's specifically recognised in the EU's 6th Environment Action Programme.

The project will end in September 2007.

**Anna Stachowicz**

**Technology Transfer Centre**

**Cracow University of Technology (TTC CUT)**

**Warszawska Street 24**

**PL-31-155 Krakow**

**tel: (+48 12) 632 51 44 ext.38, 628 26 83**

**fax: (+48 12) 628 26 83**

**e-mail: [anna.stachowicz@transfer.edu.pl](mailto:anna.stachowicz@transfer.edu.pl)**

**[www.transfer.edu.pl](http://www.transfer.edu.pl)**

# Staff Exchange

## *impressions*

### Fellowship in Beta Technology LTD. in Doncaster, UK.



My stay in Beta Technology took place in August 2005. I was there with Katarzyna Baron from CUT, Poland.

Our stay in Beta Technology began on Monday, 22<sup>nd</sup> September 2005. Catherine Holt introduced us to all Beta Technology staff. We had meetings with the whole staff of Beta Technology and it was a great opportunity to compare our organizations with Beat in Doncaster.

We got familiar with Beta's NCP tools - FP6UK and data bases, explanation of the SME NCP and its activities. My fellowship was very fruitful and very useful for me.

Especially training in filling in Form C. I've learned how to calculate and fill in Form C properly. Also I've learned how to manage the project, and the best examples was giving to me. It was very helpful for me as the project coordinator.

We helped to organise upcoming DEFRA event, which was very interesting for both sides – fellows and Beta's staff. We exchange our experience in organising events.

Also we were working on Rural-ETINET project: setting up a contract, preparing a Form C and organising an audit, searching for UK partners for existing profiles. We had great opportunity to take part in " Proposal pre-screening training". That was very good experience, because we could talk to Expert and ask her questions – how to write the best project proposal.

We asked how they were solving typical problems with clients. For example Beta Technology have a special database system to organize data about all their clients. They can manage to contact and check who and when they contacted with, what was the problem etc.

Another thing was very interesting for me – only persons responsible for Thematic Priorities – meet every day and talk about their work for "today", what kind of meetings they have, etc. I think this is very good idea, because they can share their problems with others, and it's very helpful, because they can easier find the resolution.



Our fellowship was a great opportunity for us to present our countries, regions and institutions and also to offer Beta Technology staff cooperation with us and our clients.

During my stay in Beta Technology LTD. I knew the whole staff and now I know who I should contact with when I need a partner from UK.

Apart from work we spent great time in pubs also with Beta's staff.

Summing up that period was the great time when I gained experience, knew UK culture and research potential. I was visiting great castles and museums also big shopping centers....

**Msc, Joanna Bosiacka-Kniat**  
**FP6 Regional Contact Point**  
**Poznań Science & Technology Park**  
**Adam Mickiewicz University Foundation**  
**ul. Rubież 46 61-612 Poznań Poland**

**phone: (+48 61) 827 97 45**  
**fax: (+48 61) 827 97 41**  
**e-mail: [jk@ppnt.poznan.pl](mailto:jk@ppnt.poznan.pl)**  
**<http://www.ppnt.poznan.pl/rpk/en>**

# REGinNET

*Technology Market  
Partner Search*



<http://www.ideal-ist.net/>



<http://fp6.cordis.lu/fp6/partners.cfm> <http://www.managenergy.net/submenu/SPs.htm>



## TECHNOLOGY OFFERS FROM TURKEY, IRC-EGE

### **Multifunctional industrial laundry machines (Open) 05 TR TEEU 0CZM**

An established Turkish manufacturer of industrial laundry and textile machines is looking for commercial agreements with technical assistance within Europe. The company wishes to share its experience and expertise with companies who have past experience of similar product-lines.

### **Mobile Security Platform (Open) 05 TR TEEU 0CFE**

A Turkish SME has developed a mobile platform to stop the vehicles according to their suspicious character such as terror, bombs etc. The company is seeking partners for technical cooperation or joint venture agreements.

### **Titanium root form dental implant system (Open) 05 TR TEEU 0DSG**

A Turkish SME has developed a new titanium root form dental implant system. One-piece implants are made of a proven traditional titanium alloy with sandblasted infra-bony surfaces. The system is designed for the easiest operation with minimum variation of implants and tools. The company is seeking a license agreement or a manufacturing agreement in all IRC countries.

**EGE UNIVERSITY FP6 COORDINATION OFFICE  
Science & Technology Center (EBILTEM)  
35100 Bornova - IZMIR TURKEY**

**Tel: +90 0232 3434400 Fax: +90 0232 3744289**

**Web: <http://fp6.ege.edu.tr> E-Mail: [ab@ebiltem.ege.edu.tr](mailto:ab@ebiltem.ege.edu.tr) , [ebiltem@ebiltem.ege.edu.tr](mailto:ebiltem@ebiltem.ege.edu.tr)**