

Co-operation with practice

“Intensive cooperation with practice is indispensable for the Slovak University of Technology as a research university. Research greatly enhances the educational and research activities by reflecting the current need to provide unique solutions to the acute engineering problems, accelerate transfer of knowledge and provide funds. It contributes to the fulfilment of the Lisbon Strategy. The students and doctoral candidates involved in this significant activity along with the knowledgeable and respected top university employees can thus directly connect their projects with the research projects in industry. Forms of cooperation between the University and practice are of a different nature: there are real problems solved within the direct contract or order, research and innovation projects solved with partners from the industrial sector, the involvement of SMEs into international projects, student practice, mobility and internship in enterprises both at home and abroad, support for the development of small firms etc. Last year, vivid cooperation with practice was carried out in the University workplace, as documented by a number of contractual projects concluded with practice.”(cit. Redhammer, R., STU Rector, 2011).

STU MTF is a research member of the “Knowledge Faculty for Economic Practice” project, ITMS 26110230113. Universities significantly contribute to the economic development of their region. An increased demand for knowledge is an incentive for streamlining the transfer of discoveries and outcomes of research and development into the economic sphere. The strategic objective of the research and development support for practice is the increased cooperation and communication among universities and presentation of their research and development areas for economic/business practice. Only such universities can be accepted in practice, since they share a relevant level of science with the wider community. They do not hesitate to maximise their potential for the creation of practice values and develop effective means for the initiation and integration of their activities and relations with the external environment. Acquisition of new partners through the project “Knowledge Faculty for Economic Practice” significantly supports the Faculty strategic objectives within the Long-term objective of the Faculty development, thus contributing to the general objective of active connection of academia and economic practice.

New partners of STU MTF – Agreements of cooperation signed in 2014 within the “Knowledge Faculty for Economic Practice” project		
Partner	Country	City/Town
DTF Technology GmbH	Germany	Dresden
IS4U, s r.o.	Czech Republic	Brno
DVK Maschinenbau GmbH	Hungary	Budapest
NV Bekaert SA	Belgium	Zwevegem
Matador Industries, a.s.	Slovak Republic	Dubnica n./Váhom
Bizzcom, s r.o.	Slovak Republic	Trnava
Koval Systems, a.s.	Slovak Republic	Beluša
VIPO, a.s.	Slovak Republic	Partizánske
Dipex, spol. s r.o.	Slovak Republic	Sereď
Innov8 s.r.o.	Slovak Republic	Trnava
Kellys Bicycles, s r.o.	Slovak Republic	Veľké Orvište

Agreements of cooperation signed in 2014		
Partner	Country	City/Town
Edenred Slovakia, s r.o.	Slovak Republic	Bratislava
Hella Slovakia Front Lighting, s r.o.	Slovak Republic	Kočovce
EG Research and Development Centre, s r.o	Slovak Republic	Trnava
Civic Association Samsung, Galanta	Slovak Republic	Galanta
Audia Plastics, s r. o.	Slovak Republic	Voderady
ŽP VVC, s r.o.	Slovak Republic	Podbrezová
POS Media Slovakia, s r.o.	Slovak Republic	Bratislava
Carl Zeiss spol., s r.o.	Czech Republic	Prague
Robert Bosch, s r.o.	Czech Republic	České Budějovice
College of Szolnok	Hungary	Szolnok
Kecskemet College	Hungary	Kecskemet

Company Presentations at STU MTF in 2014:

Name of presentation	Description of presentation
JOB DAY	On the 12 th March 2014, STU MTF organised the 2 nd annual "Job Day" with the aim to provide the future Faculty graduates/potential job applicants with information about vacancies within companies, and to prepare conditions for effective communication between students and employers.
Campus Week 2014	From the 30 th June to the 3 rd July, Campus Week, the 5 th International Congress for universities under the title "Trends in Automation and Production" took place at the premises of the Festo Didactic Company in Denkendorf and Esslingen. The Congress was attended by Mr. T. Horák, the Festo spol. s.r.o. representative, and Prof.h.c. Prof. Ing. K. Velíšek, CSc., Prof. Ing. P. Tanuška, PhD. and Ing. M. Kopček, PhD., representatives from two MTF Institutes (UVSM and UIAM). The key topic of the contributions presented at the Congress was the concept of the 4 th generation of the industrial revolution under the title Industrie 4.0.
Concept of the digital company and its application in automotive practice	The workshop introduced the concept of the "Digital Company" – a virtual image of real production and logistics via the processes and selected SW tools of the Tecnomatix® package in virtual conditions. This was followed by presentation of the project, its objectives, stages, the project team and its output. The project involved 15 students of all study degrees, who became a part of the project team.
ESAB 2014	A seminar within the cycle on welding and weldability, organised in cooperation with ESAB Slovakia s.r.o. and STU MTF. Guarantor of the event: UVTE.
Visit to the Robert Bosch Company, spol. s r. o. České Budějovice	UPIM initiated an excursion of students of UBK and UPIM to Robert Bosch, spol. s r. o. České Budějovice on 28/03/2014.

Festival of Science 2014	The Festival of Science and Innovation 2014 was organised to support the official opening of the regional office of the European Alliance for Innovation (EAI) in Slovakia, as a result of cooperation between STU MTF and the European Alliance for Innovation (EAI) in Brussels.
Careers in VW Slovakia	27/11/2014 – a presentation delivered by employees of Volkswagen Slovakia a.s. Bratislava at STU MTF.
Summer school of mechatronic trainees 2014	On the 4 th - 5 th September 2014 – the “Summer school of mechatronic trainees” was organised by the Institutes of UIAM and UVSM in cooperation with FESTO spol. s.r.o. The event was attended by selected secondary school students who will represent the Slovak Republic in Euroskills, the international competition.
STU MTF at the International Engineering Fair 2014, Brno	Active participation of STU MTF at the International Engineering Fair in Brno on 29/09 -03/10/2014.
Night of Researchers 2014	The “FESTIVAL of SCIENCE, Night of Researchers in Slovakia” project was supported by the 7 th framework programme for research and technology development of the European Commission. The “Night of Researchers” event is organised in 33 states of Europe with the aim to familiarise the wider public with science and researchers and their contribution to everyday life.
Work and Careers 2014	STU MTF participated in the event to provide prospective candidates with information about studies at the Faculty.
Presentation days of companies	On the 18/11/2014, STU MTF organised the “Presentation days of companies” event under the auspices of the National project of "Universities as motors of the knowledge society development" with the aim of matching university students with potential employers and to promote successful Faculty graduates and their careers.
JCMS and quality system in production process of plastics injection	On the 29/04/2014, a workshop, titled the “System of JCMS and quality in the production process of plastics injection” was delivered by representatives of Johnson Controls.
Special applications and DMG MORI Technologies	On the 03 – 04/12/2014, a seminar on Special applications and DMG MORI Technologies took place in the Excellence Centre of 5-axis machining at STU MTF.
TECHFORUM 2014	On 20-23/05/2014, TECHFORUM 2014, an International Engineering Fair in Nitra took place, with active participation by STU MTF. The fair presented output of the research and development workplaces of engineering universities and their collaboration with practice. Guarantor: OPOM.
Creative workshops 2014	An event guaranteed by UPIM during March 2014 within the project “MTF passes to green”. During the presentation, the participants made products from waste materials.
STU MTF USP in the pages of the British Chamber of Commerce	Presentation of the research results, achievements and research potential of the Faculty is one of the key factors of attaining credibility and acknowledgement in the outer environment. Structured presentation and promotion can show the Faculty as an acknowledged partner for the area of research and development. Information on the Faculty research portfolio and its unique and distinctive features will be presented on the pages of the British Chamber of Commerce.