

the 3rd International

Designers²⁺ WORKSHOP 2012

Interdisciplinary team student design projects in cooperation with industry

Under the Auspices of
Her Magnificence Rector Assoc. Prof. I. MAURITZOVA



Pilsen Park of Science and Technology
Plzeňský vědecko technologický park
Teslova 3, Pilsen, Czech Republic
Conference Room

19th April 2012 from 9:30

INVITATION

and

PRELIMINARY PROGRAMME



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19th April 2012, Pilsen, Czech Republic

Invitation

We cordially invite you and your colleagues to participate in the 3rd International Designers²⁺ Workshop to take place in the Pilsen Park of Science and Technology, Czech Republic. It is situated near to the University of West Bohemia in Pilsen, Bory Campus as you can see in the enclosed small maps. The workshop follows two successful international Designers² workshops which took place in 2010 and 2011.

The general aim of the workshops is presentation and promotion of the interdisciplinary team student design projects solved in close cooperation with industrial partners. An important role is also played by the rich discussions among students, representatives of industrial partners and institutions, university lecturers, and other bodies. Thus both preliminarily agreed and ad hoc discussion contributions will be very much welcomed.

The workshop is conducted by the Department of Machine Design of the Faculty of Mechanical Engineering (FST) and Czech Technology Platform for Engineering (CTPE) in cooperation with the Institute of Art and Design (UUD), Faculty of Health Care Studies (FZS) and Faculty of Electrical Engineering (FEL) of the University of West Bohemia (UWB) in Pilsen, Czech Republic.

We look forward to meeting you at the workshop.



Prof. Stanislav Hosnedl
on behalf of the organizers

Guarantors:

Prof. Dr.-Ing. S. Hosnedl, Dept. of Machine Design, FST, UWB, Pilsen, CZ
Assoc. Prof. Ak. arch. Frantisek Pelikan, UUD, UWB, Pilsen, CZ
Dipl.-Ing. J. Bartak, CTPE, Pilsen, CZ

Programme and Organization:

Prof. Dr.-Ing. S. Hosnedl, Dipl.-Ing. J. Bartak, Dipl.-Ing. J. Dvorak and Dipl.-Ing. M. Kopecky
Department of Machine Design, FST, UWB, Univerzitni 8, 306 14 Pilsen, CZ
Tel.: +420 377 638 220, Fax: +420 377 638 202, E-mail: jbartak@kks.zcu.cz

in cooperation with:

Assoc. Prof. Ak. arch. Frantisek Pelikan and MgA. Mgr. Petr Pelikan, UUD, UWB
Mgr. M. Valesova and Mgr. R. Firytova, FZS, UWB
Prof. Dr.-Ing. V. Kus, FEL, UWB and J. M. King BA (Hons), FST, UWB
Dipl.-Ing. V. Dostal, University of Applied Sciences (UAS), Deggendorf, G
Dr.-Ing. M. Sasiadek, University of Zielona Gora (UZG), Zielona Gora, PL

Presentations:

PC, data projector, and flipchart will be available for presentations.

The active participants must download their Power Point presentations half an hour before the beginning of the workshop at the latest. Time allocated for the respective presentations includes few minutes for one or two answers on ad hoc questions from auditorium.

Workshop fee:

The participation is free of charge. All participants will be provided with refreshment at breaks, and a lunch.

Application for guests:

Please confirm your participation in the workshop via e-mail including:

your name, affiliation, contact data and a number of accompanying persons
addressed to: jbartak@kks.zcu.cz and hosnedl@kks.zcu.cz **by 10th of April at the latest.**

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Schedule

v. 2012-04-06

Part 1 of 2

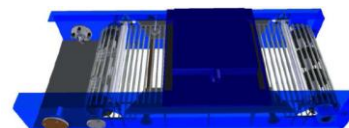
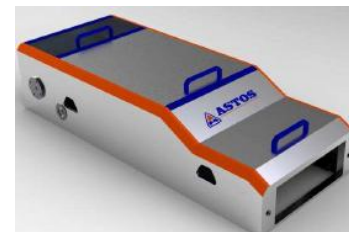
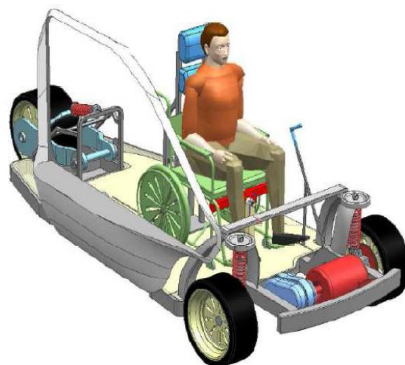
09:30 10:15	OPENING, ADDRESSES AND INTRODUCTION Chairs: Hosnedl S. and Bartak J.	45'
	Workshop opening and addresses S. Hosnedl, Invited guests	15'
	Interdisciplinary Team Student Engineering and Industrial Design Projects solved at University of West Bohemia in cooperation with Industrial Partners S. Hosnedl (FST) et al, UWB Pilsen, CZ	15'
	E-WALD Project for Regional Model of Electromobility in Free State Bayern Mairhofer K. and Reimer F., UAS Deggendorf, G	15'
10:15 10:30	AWARDS FOR THE BEST PROFESSIONAL ASPECTS ACHIEVED IN STUDENT PROJECTS AT UWB SOLVED IN ACCADEMIC YEAR 2011/2012 Chairs: Hosnedl S. and Pelikan F.	15'
	Dean of FME Award for the best Mech. Engineering Design solution: FST students: Jirsa J., Libal A., Vadlejch M. Plasil M.	
	Director of UUD Award for the best Industrial Design solution: UUD students: Stepan R., Mirbauer F., Krejcirik J.	
	Dean of FEL Award for the best Electro Engineering support&solution: FEL students: Alter J., Bejckova K., Marcel R.	15'
	Dean of FZS Award for the best Health Aspects consultancies: FZS students: Podrouzkova A., Voltrova M., Frdlikova L.	
	Director of AUTODESK Award for the best Autodesk SW utilization: FST students: Pechova K., Limberg L., Hajm M.	
10:30 11:50	PRESENTATION OF STUDENT PROJECTS I Chairs: Dostal V. and Dvorak J.	80'
10:30	Concepts of free local travelling for seniors and other people with locomotive difficulties in Sumava and Bayern Forest. Interreg 4, EUREGIO Bayerischer Wald - Böhmer Wald UAS student team: Hartl S. - manager, et al, G Industrial partner: Konstruktionbureau DOSTAL, Edenstetten, G	20'
10:50	Design of a light three wheeled vehicle with electrical drive for disabled and seniors with locomotive difficulties UWB student team awarded for the best project solution to the presented topic (4 teams), CZ: Ottova M. - manager, Kocourek T. FST - engineering design Mirbauer F., Krejcirik J. UUD - industrial design Antosova L., Hulkova P., Jagulakova R., Kocandrlava I. FZS - health knowl. support Industrial partner: Konstruktionbureau DOSTAL, Edenstetten, G	20'
11:10	Design of a vehicle with electrical drive for disabled and seniors UAS student team: Hartl S. – manager, et al, G Industrial partner: Konstruktionbureau DOSTAL, Edenstetten, G	20'
11:30	The selected engineering projects realized by students of the Faculty of Mechanical Engineering at University of Zielona Gora UZG student team: Czapor A., Czech T., PL	20'
11:50 12:30	Refreshment and discussions	40'

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Part 2 of 2

12:30 14:00	PRESENTATION OF STUDENT PROJECTS II Chairs: Sasiadek M. and Dvorak J.	90'
12:30	Design of a light four wheeled vehicle with electrical drive for disabled and seniors with locomotive difficulties UWB student team awarded for the best project solution to the presented topic (3 teams), CZ: Pechova K. - manager, Limberg L., Hajm M., FST - engineering design Mateja L., Rezacová Z. UUD - industrial design Frdlíkova L., Podrouzkova A., Voltrova M. FZS - health knowledge support Industrial partner: Konstruktionbureau DOSTAL, Edenstetten, G	20'
12:50	Design of a vehicle with electrical drive for disabled and seniors UAS student team: Wagner M. - manager, et al, G Industrial partner: Konstruktionbureau DOSTAL, Edenstetten, G	20'
13:10	Design of an industrial filtration device for cooling liquid UWB student team awarded for the best project solution to the presented topic (4 teams), CZ: Sistkova V. - manager, Lach J., Tancl J., FST - engineering design Trajer P., Ratajová K. UUD- industrial design Schnirchova Z. FZS - health knowledge support Alter J. FEL – electrical eng. Knowl. support and co-design Industrial partner: ASTOS, a.s., As, CZ	20'
13:30	Contributions of and for electrical engineering students in team engineering and industrial design projects UWB FEL students providing several teams with electrical eng. knowl. support and co-design, CZ: Alter J., Bejckova K.	15'
13:45	Contributions of and for electrical engineering students in team engineering and industrial design projects UWB FZS students providing several teams with health knowledge support and co-design, CZ: Marek O., Hůlková P., Levá M., Macháčková P. Stejskal J.	15'
14:00	SCHEDULED WORKSHOP CLOSING	
14:00 14:45	Lunch and discussions	45'
14:45 15:30	INVITED DISCUSSION CONTRIBUTIONS and FREE DISCUSSION Chairs: Hosnedl S. and Dvorak J. WORKSHOP CLOSING	45'



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Industrial, Institutional and Media Partners

linked with interdisciplinary team student design projects
solved at UWB in cooperation with industrial partners since academic year 2004/05



