

Department of Industrial Design in 2019

Ladislav Křenek

Institute of Machine and Industrial Design

Faculty of Mechanical Engineering

Brno University of Technology

Seminar of IMID | FME | VUT Brno

January 15 | 2020



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- Sources of financing
- Deposits into the Registry of Artistic Performances (RUV)
- Events at the DID
- Achievements by students
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People on the DID

Internal staff

Internal teachers

Doc. akad. soch. Ladislav Křenek, ArtD

workload

1,0

Ing. Dana Rubínová, Ph.D.

1,0

Akad. soch. Josef Sládek, ArtD.

1,0

Doc. Ing. arch. Jan Rajlich

0,6

Ing. arch. et Ing. Vladimír Haltuf

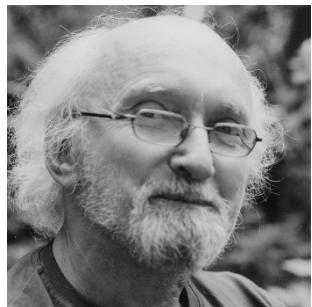
0,4

Totalstaff FTE 4

Technical staff

Kamil Balák

1



People on the DID

External staff

External teachers

Akad. soch. Tamara Buganská

Mgr.A. Svatopluk Řezníček

Mgr.A. Michaela Roudnická

Mgr. Michal Trávníček

PhDr. Dagmar Koudelková

Ing. Filip Uhlíř

Ing. David John – Faktum Design

Doc. Ing. Branislav Jelenčík, ArtD. – FA STU Bratislava

Ing. Anna Vávrová

Ing. Jaroslav Štigler



People on the DID

PhD students – currently

Ing. Kateřina Vejrostová

Ing. Marek Vávra

Ing. Pavol Lupták

Ing. Richard Sovják - combined form of study



Deposits into the Registry of Artistic Performances (RUV)

Outputs applicable in the Registry of Artistic Performances (RUV)

Segment Design / Product and Industrial Design:

- Realized design
- Design at the exhibition
- Award winning design (unrealisable)

Segment Design / Graphic Design:

- Realized design
- Design at the exhibition
- Award winning design (unrealisable)

Segment Fine Arts

- Work of art at the exhibition

Segment Architecture



Deposits into the Registry of Artistic Performances (RUV)

Deposits into RUV at DID in 2019

In 2019 about 48 outputs have been inserted into system RUV (228 total 2014 - 2018).



Jan Rajlich



Ladislav Křenek



Darina Zelenitca

Events at the DID

Exhibition „Dizajnéra !“

12.3. – 31.3.2019 Gallery „UMELKA“ Bratislava



Events at the DID

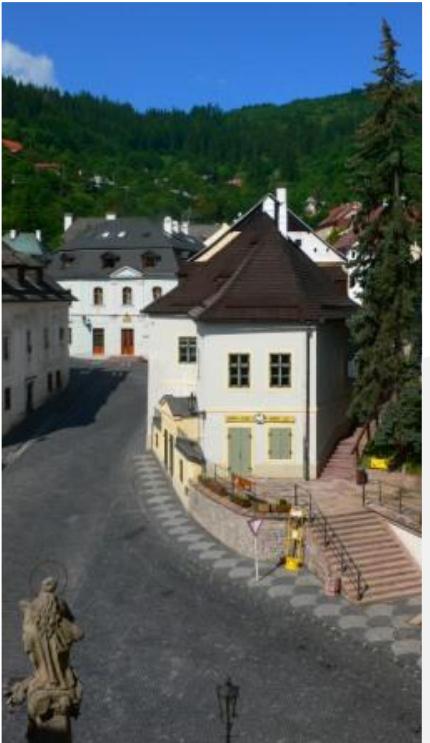
Exhibition „Dizajnéra!“ opening 11.3.2019

akad. mal. Pavol Kráľ, doc. Branislav Jelenčík



Events at the DID

Workshop in Educational and Research Centre in Banská Štiavnica
together with the Institute of Design FA STU Bratislava
1.4. – 6. 4. 2019
assignment: shop interior for TextilEco



Banská Štiavnica



introductory presentation

Events at the DID

Workshop in Educational and Research Centre of FA STU in Banská Štiavnica



team work in Banská Štiavnica
- consultation



presentation at FME

Events at the DID

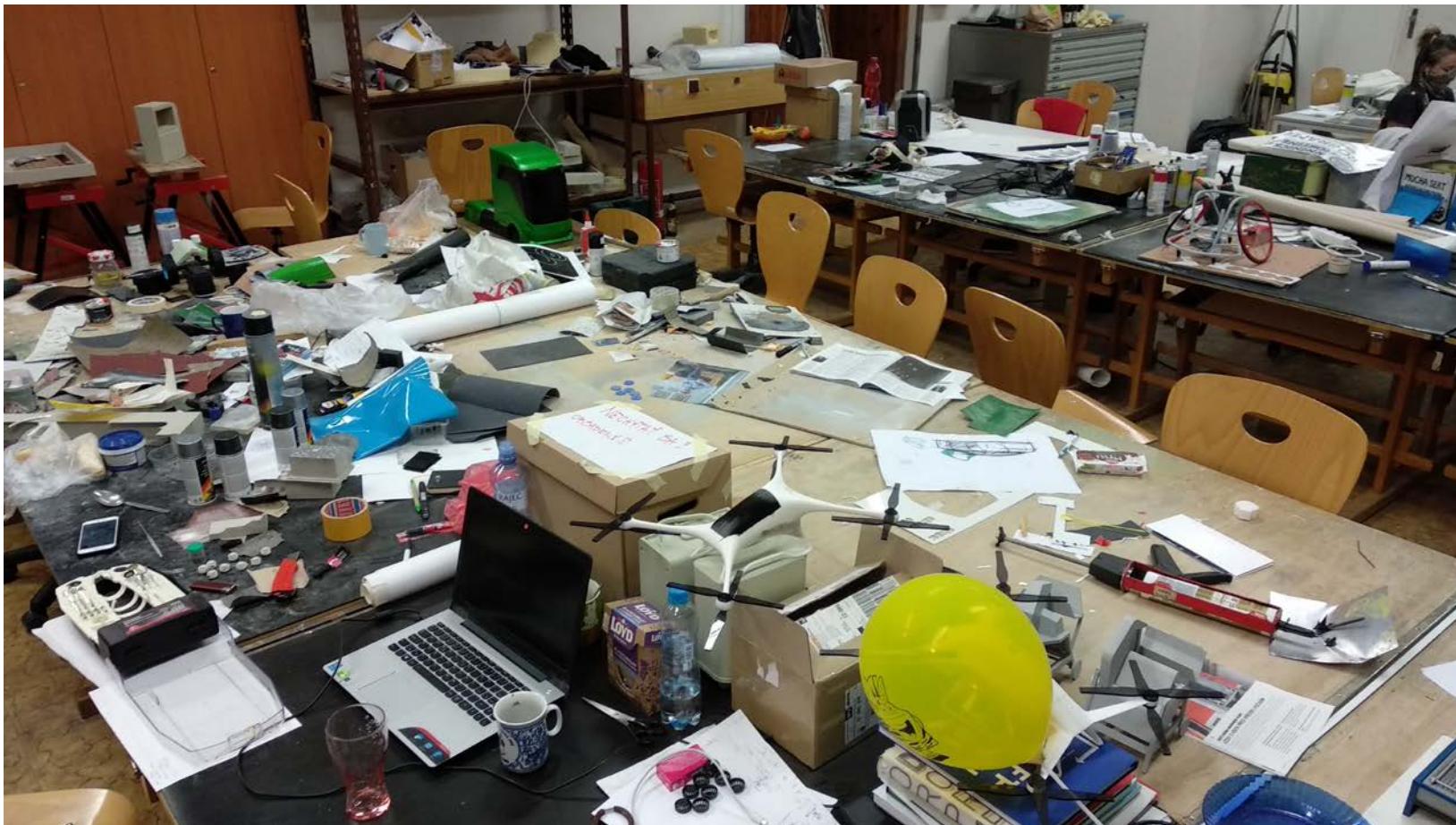
Participation in URBIS SMART CITY FAIR at the stand of TextiEco
Brno 5.-6.6. 2019



www.textil-eco.cz

Events at the DID

Exhibition „DESING.ER 2019“ (diploma projects)
DID B2/310, June- September 2019



before

Department of Industrial Design in 2019

13/31

Events at the DID

Exhibition „DESING.ER 2019“ (diploma projects)



after

Department of Industrial Design in 2019



Events at the DID

Started cooperation DID with ŠKODA AUTO - success in the project FIT 2 FUNCTIONALITY



doc. Ing. Peter Olah, ArtD.



before the final presentation in Mladá Boleslav 26.9.2019

presentation of students
DID in Bratislava (June)



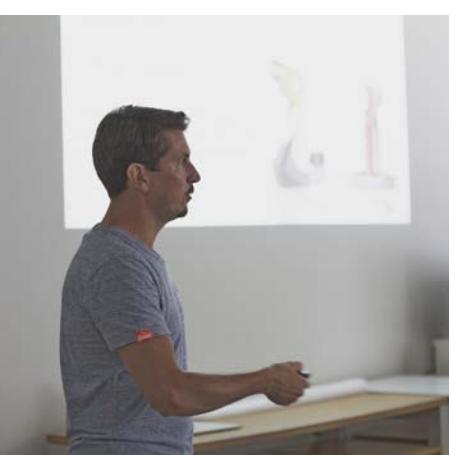
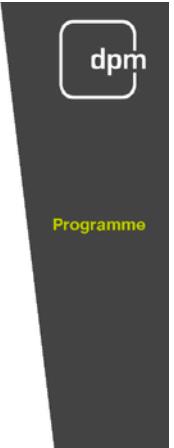
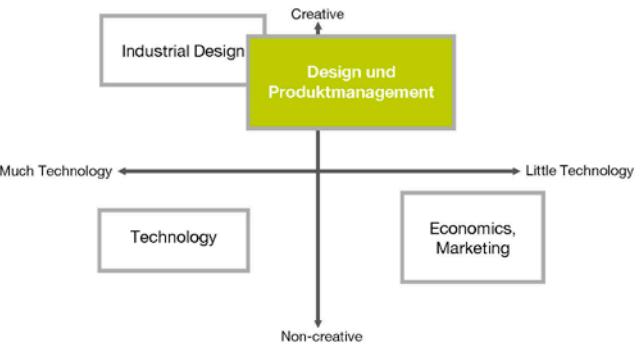
Events at the DID

Visit of Marcus Schranzer from FH Salzburg,

presentation of department of the Design and Product Management 25. – 16.9.2019



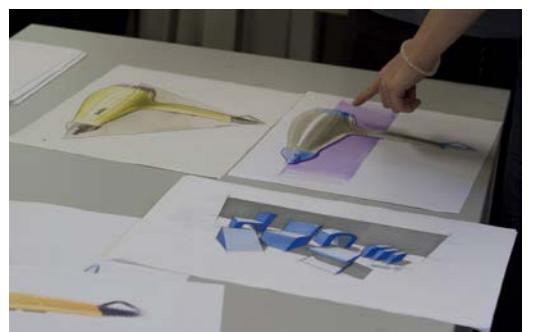
Market and positioning:



Events at the DID

Visit of prof. Günther Grall and course of design drawings by Markus Schranzer
(both from FH Salzburg) 11.11. – 13.11.2019

from the lecture of prof. Grall
on the topic Circular design



Mark Schranzer's hand
drawing course

Achievements by students

National prize for Student Design 2019 - received nominations in the Industrial Design category



Design of electric road truck, Michal Gábriž



Design of passenger quadcopter,
Pavol Lupták



Design of hydromassage bathtub for upper limbs,
Marek Vávra



Design of 3D printer for technology contour crafting,
Peter Anderle



Design of surface grinder,
Eva Bajková

Achievements by students

National prize for Student Design 2019



Peter Anderle –
award Good student design 2019



Price of the director of the Institute of machine
and industrial design – František Dvořák, TBU Zlín

ECONOMIC AGREEMENTS - HS

- 1/ HS13813004 - L. Křenek, Studies of design multifunctional textile containers, TextilEco a.s.
- 2/ HS13913001 - L. Křenek, Studies of design weather stations, TextilEco a.s.

KONT*i*POINT



Ondřej Král

Department of Industrial Design in 2019



Jan Stárek

ECONOMIC AGREEMENTS - HS

3/ HS13913002 - L. Křenek, D. John, Studies of design waste collection point design, TextilEco a.s



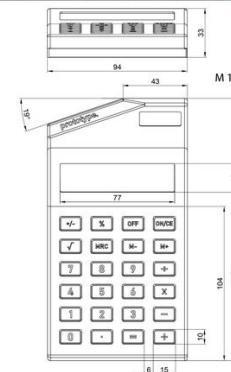
Adéla Matušková, Eva Eliášová, Michal Rzyman

Department of Industrial Design in 2019

Jiří Korejz, Štěpán Dlabaja, Zuzana Štubianová

ECONOMIC AGREEMENTS - HS

- 4/ HS 13813002 - D. Rubínová, Design of a set of small kitchen appliances, ETA
- 5/ HS 13813003 - D. Rubínová, Design of Desktop Calculator Design, MORAVIA Consulting, spol. s r. o.



Kalkulačka se skládá ze dvou dílů, hlavního krytu a spodního krytu, který je připevněn lepidlem. Naklopený displej a vystouplá tlačítka dovolují komfort při práci. Solární panel je umístěn na jiné ploše než hlavní displej a tak neruší. Kalkulačka se dotýká podložky na dvou místech. Vybraní slouží pro odložení propisky, faxy, tužky apod. a tak nezrozi následné hledání.



Alternativní barevné varianty

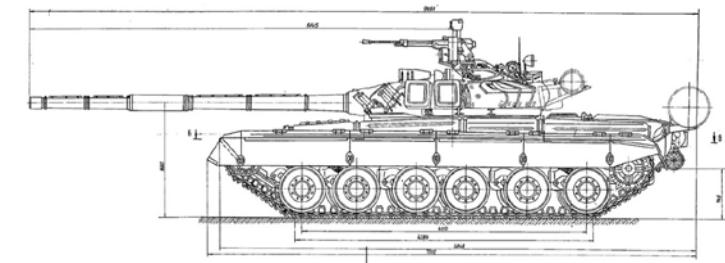
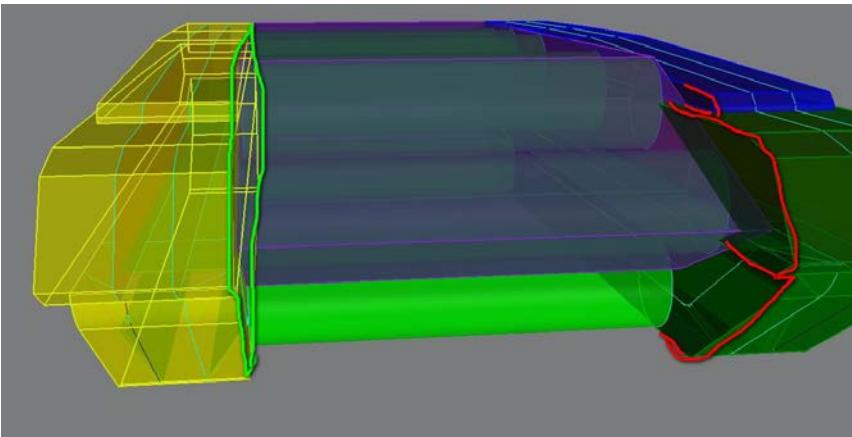
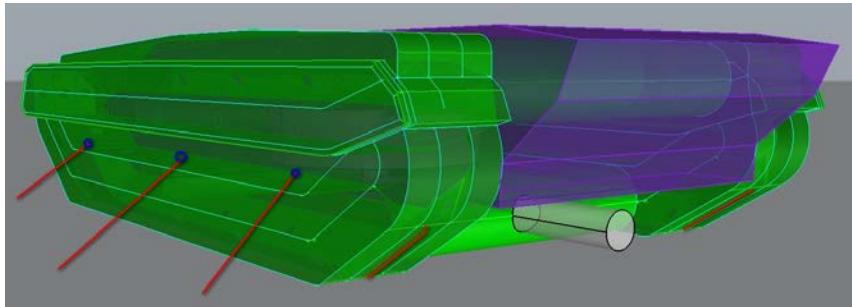


Kateřina Vejrostová

Department of Industrial Design in 2019

ECONOMIC AGREEMENTS - HS

6/ SR 13957004 - L. Křenek,. Development of the construction of inflatable models of military vehicles, INFLATECH s.r.o.

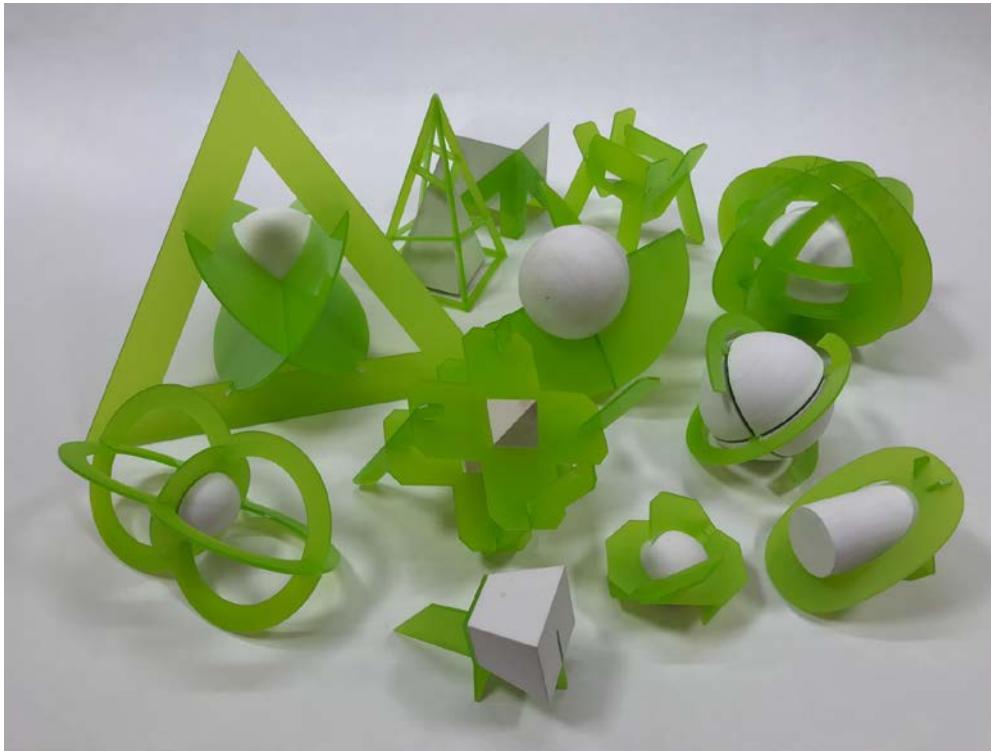


Others, future

Gift from MORIS design s.r.o. Praha

1/ 18 pcs of PMMA sheets (aprox. 3x2m), Green satin color, purchase price 51.750 CZK

2/ 5.950 pcs of LED light modules (0.5W), purchase price 148.750 CZK



use of material in teaching

Others, future

Gift from PORFIX CZ a.s.

D. Rubínová, A. Vávrová, Design of returnable packaging of building materials, **50.000 CZK**



Výhody návrhu

- ▀ Vícenásobná možnost znovuvyužití
- ▀ Snadná a intuitivní práce
- ▀ Levná implementace návrhu



Others, future

New cost-effectiveness coefficient for DID

35	B0511A030002	Biology and Ecology	UHK	Přírodovědecká fakulta	2,25
36	N0588A030002	Biology and Ecology	UHK	Přírodovědecká fakulta	2,25
37	B0688A140001	Informační management	UHK	Fakulta informatiky a managementu	1,65
38	B0212A310002	Průmyslový design ve strojírenství	VUT	Fakulta strojního inženýrství	3,50
39	P0914D360001	Biomedical and Clinical Technology	ČVUT	Fakulta biomedicínského inženýrství	2,25
40	P0732D260001	Stavební management a inženýring	ČVUT	Fakulta stavební	1,65
41	N0688A140003	Biomedicínská a klinická informatika	ČVUT	Fakulta biomedicínského inženýrství	1,65

Na základě projednání v Reprezentativní komisi pro rozpis rozpočtu veřejných vysokých škol dne 5. června 2019 bylo náměstkem pro řízení sekce vysokého školství, vědy a výzkumu schváleno přidělení koeficientů ekonomické náročnosti nově akreditovaným studijním programům.

<http://www.msmt.cz/vzdelavani/vysoke-skolstvi/nove-stanovenekoefficienty-ekonomicke-narocnosti-1>

Others, future

Activities students of DID abroad



digital drawing workshop with Michal Jelínek at FA STU Bratislava

our Erasmus students at FH Salzburg

Others, future

Planned projects and activities for 2020

- a/ Submitted project OP PIK or HS - design and construction of chair for Dvectis system.
- b/ Design of Stationery for CENTROPEN – HS.
- c/ Submitted project for ACTION agency - weekly workshop with teachers and students from FH Salzburg.
- d/ Digital drawing course led by Marcus Schranzer – February.
- e/ Cooperation with ŠKODA AUTO - diploma and semester work.
 - project OP PIK for **3x6 Farming Innovation Ltd.**
 - cooperation with **Edinburgh Napier University**

The screenshot shows the Dvectis website. At the top, there's a navigation bar with links like 'PŘEHLEDNÍ', 'E-SHOP', 'Úvod', 'Funkčnost', 'Proč Dvectis', 'Reference', 'Jak používat', 'Vědecké studie', and 'Kontakt'. The main headline is 'Bolesti zad, krku a páteře?' with the subtext 'Dvectis je léčba i prevence.' Below this are several icons representing different body parts and functions: a spine icon with a checkmark, a hand icon with a stethoscope, a heart icon, a brain icon, and a person icon. Below these icons are descriptive text blocks: 'Odstraňuje bolesti zad, krku a páteře.', 'Posiluje zadové, hýždové a břitní svalstvo', 'Aktivuje krevní oběh a lymfatický systém', 'Aktivuje a podporuje mozkovou činnost', and 'Zvyšuje spalování kalorií během sezení'.

A collection of eight TORNADO CNK pens in various colors (blue, orange, pink, yellow, green, red, purple, black) are arranged diagonally, pointing upwards and to the right. Each pen has the text 'D-corduroy TORNADO CNK' printed on it.

The Edinburgh Napier University logo features the text 'Edinburgh Napier UNIVERSITY' next to a stylized red triangle graphic.

THANK YOU FOR ATTENTION

Ladislav Křenek

krnek@fme.vutbr.cz