

EDUCATION AT DID AND OTHER ACTIVITIES

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ÚSTAV
KONSTRUOVÁNÍ

Content

- Group analysis DID
- Funding DID 2017/2018
- Educational activities DID
- My educational activities
- Cooperation with industry
- Publications

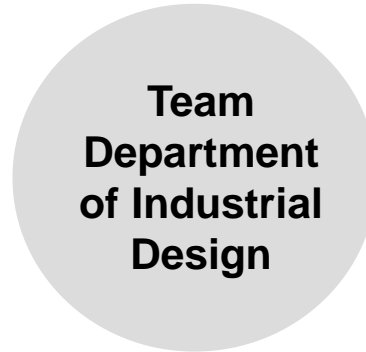
Design of Industrial Planetary Mixer,
DP, Škodová, N., 2017



Group analysis DID- basic

They came 2016-2017:

- Lajda
- Zháňalová
- Malátková
- Zdařil
- Brandejs



They left 2017-2018:

Noga
Malátková
Dvořáček
Zdvihalová
Lajda

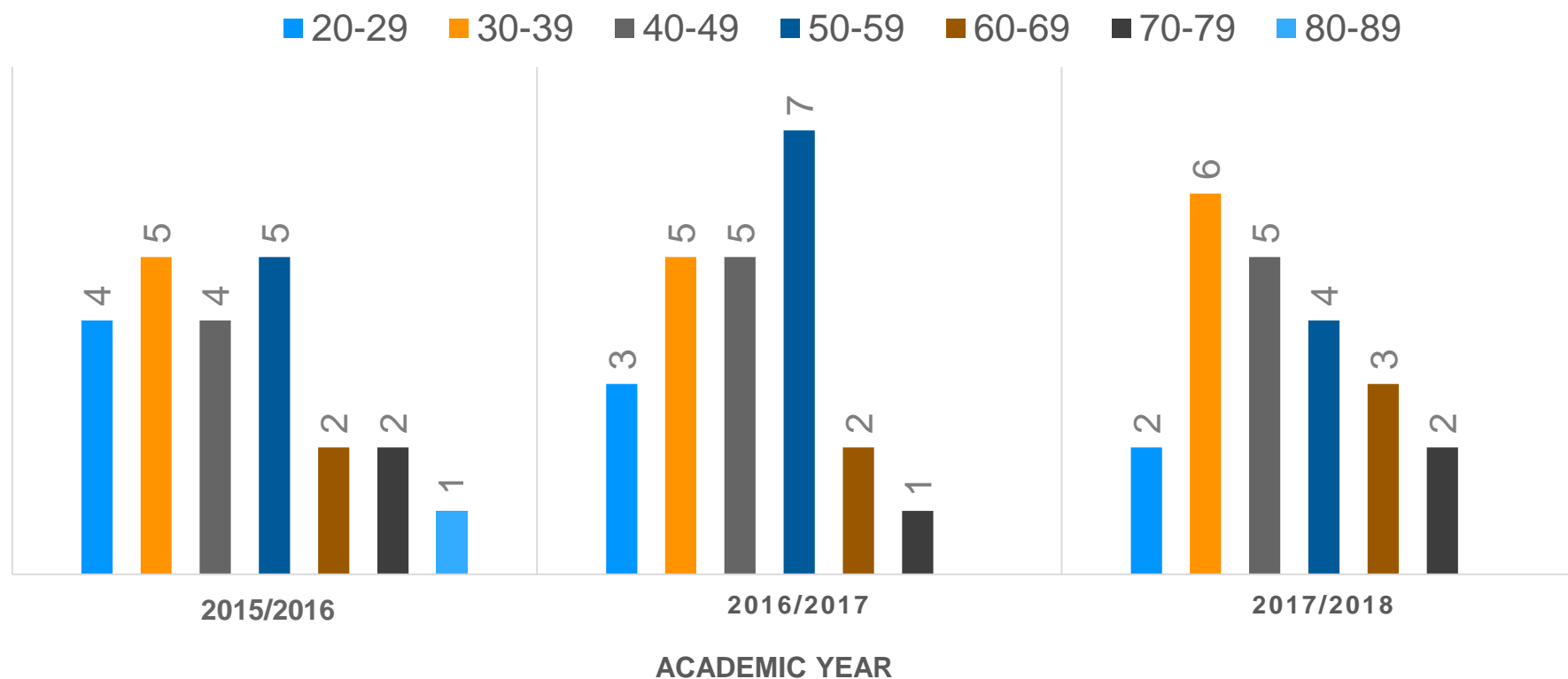
Academic year 2017/ 2018

Total: 23 teachers

- Associate Professor: 2 (-1)
- Assistant Professor: 2 (-1)
- Lector: 1 (+1)
- External staff: 9 (+3)
- Ph.D. students: 2 (-2)
- Guests from IMID: 4 (=)

Group analysis DID-age structure

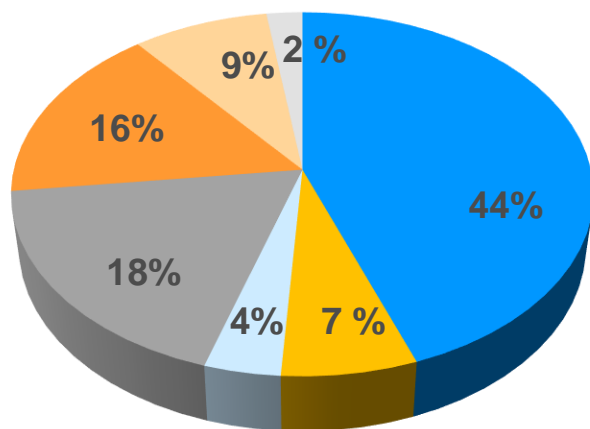
Age average of teachers 2017/2018: **51 years** (last year 50,8 years)



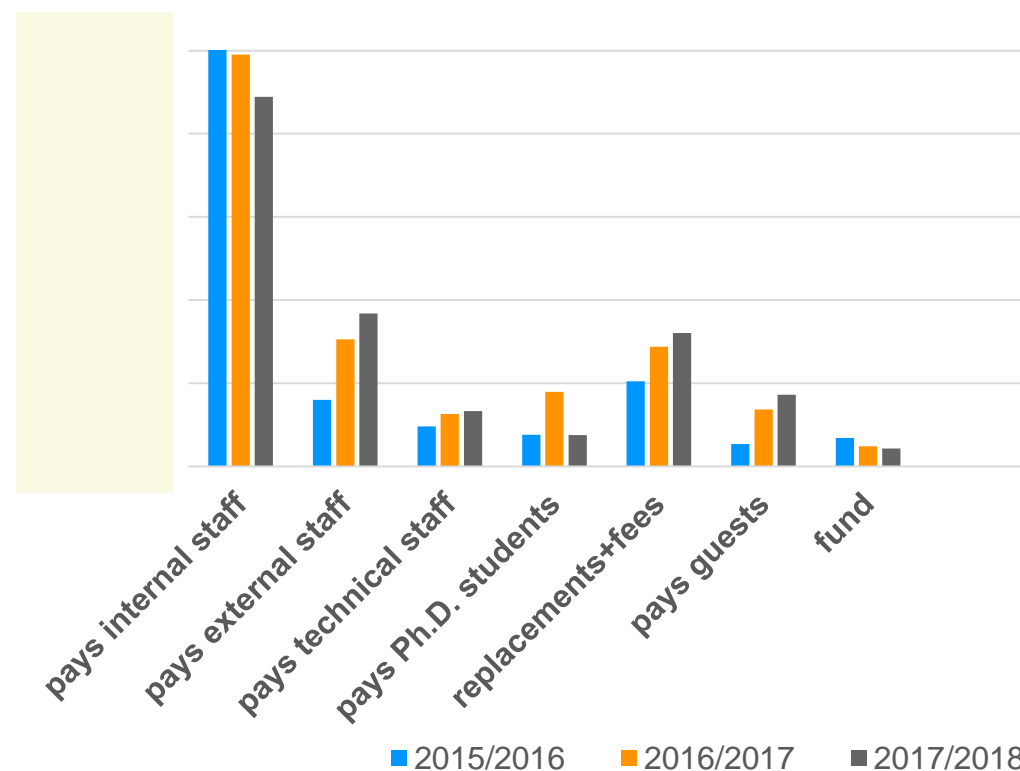
Funding of DID

Division of drawing funds from institutional support

Institutional support / month- **total** Kč (last year Kč)



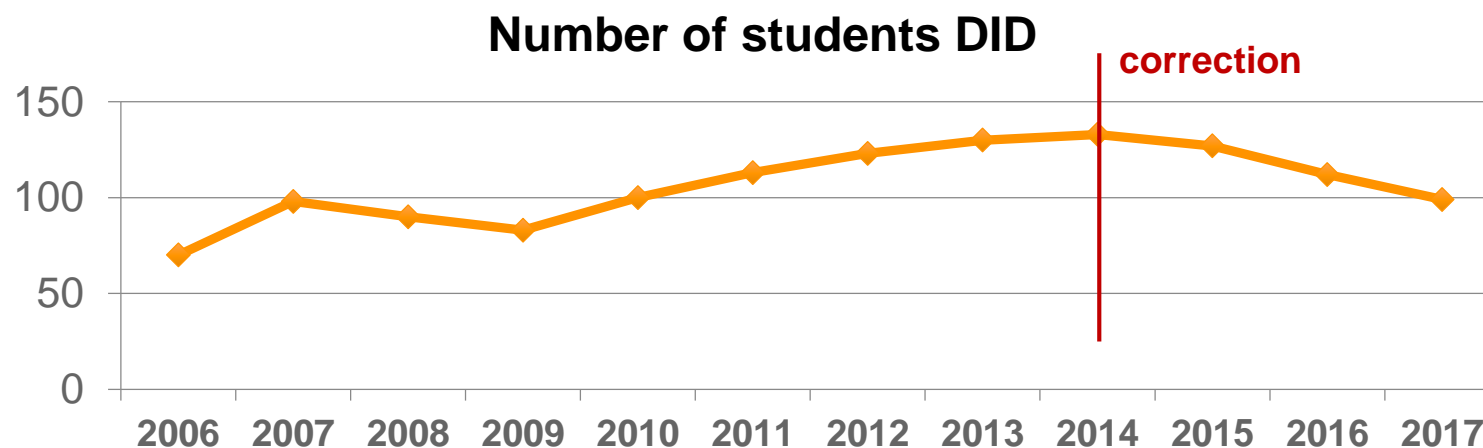
- pays internal staff
- pays technical staff
- pays Ph.D. students
- pays external staff
- replacements+fees
- pays guests
- fund



Number of students at DID

Number of students- 2006: 70 | 2007: 98 | 2008: 90 | 2009: 83 | 2010: 100 | 2011: 113 | 2012: 123 | 2013 : 130 | 2014:133 | 2015: 127 | 2016: 112 | 2017: 99

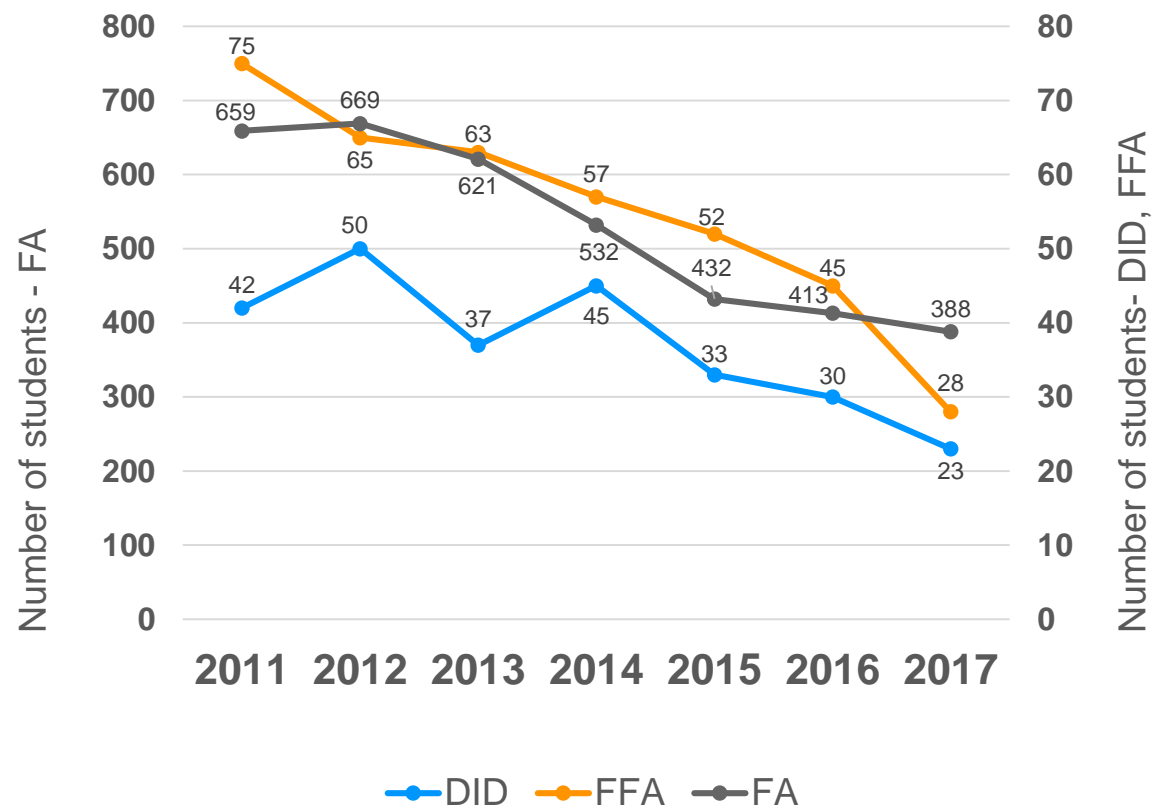
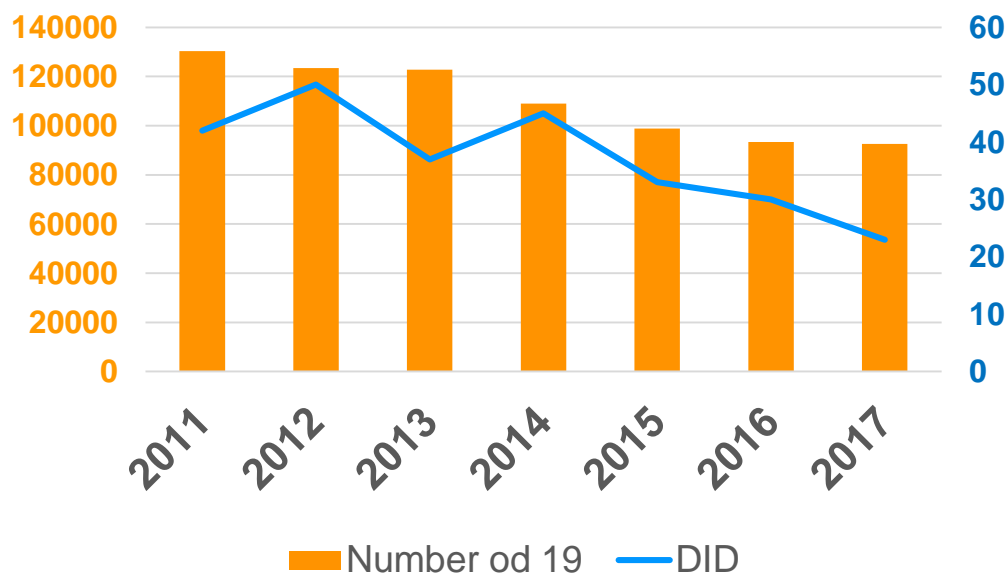
Correction of growing tendency of number of students: academic year 2014/2015



Number of registered students

Decreasing tendency of number of registered students

The same trend: all art-oriented schools



Taught subjects at DID

Number of subjects at DID: 47 subjects- WS+SS

Academic year 2017/ 2018 Department of Industrial Design provides tuition:

- hours per week- winter semester: **139 hours**
- hours per week- summer semester: **134 hours**



Educational Activities

Subjects 2017/2018

winter semester

- Typology of Design
- Ergonomics
- Workshop- Industrial Design V

summer semester

- Workshop- Bachelor Project
- Diploma Project II
- Diploma Seminar
- Open- Air Drawing



Design of Optometric Equipment for Basic Eye Examination, DP, Běťáková, V., 2017

Educational Activities

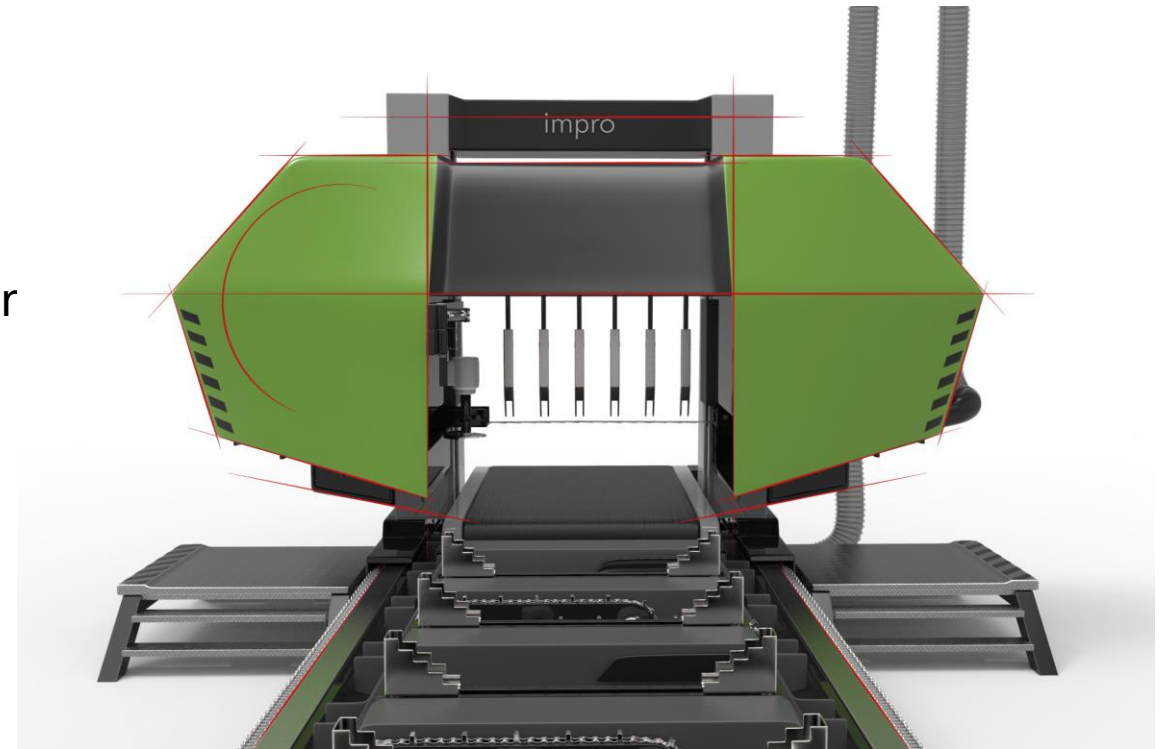
Bachelor projects 2017/2018

- Design of Money Counting Machine
- Design of Lacquer Thickness Meter
- Design of Digital Soldering Station
- Design of Electronic Spirit Level
- Design of Belay Devices and Climbing Locking Carabiner

Diploma projects 2017/2018

- Design of the Machine for a Roadside Compacting
- Design of Electric Ride-On Sweeper
- Design of Microwave Diathermy Therapeutic Machine

Supervisor: 6 (+2) subjects



Design of Horizontal Wood Band Saw,
DP, Homola, T., 2017

Cooperation with industry

Economic agreements – HS

Bevel s.r.o., Brno

Complex analysis of ergonomic risks - a hand-held machine for making bevels of metallic materials

not for publication

Oppression of hand

Cooperation with industry

Analysis of Man-Machine interface

- working position
- body movements
- work level
- visual conditions
- working conditions

not for publication

Variants of holding

not for publication

Insufficient space for grip of handle

Cooperation with industry

SLEDOVANÝ PARAMETR	NAMĚŘENO NA VZORKU	RIZIKO
not for publication		

not for publication		
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not for publication		
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Cooperation with industry

not for publication

Cooperation with industry

Design of breathing monitor

With cooperation EASY4YOU, Paskov

not for publication

Breathing monitor,
Rzyman, M., 2017



Cooperation with industry

Design of Belay Devices and Climbing Locking Carabiner

OCÚN, Polička

not for publication

Belay devices and carabiner,
Paška, T., 2018

Publications

SCOPUS:

- RUBÍNOVÁ, D. Optimization of Public Passenger Transport Stops Respecting Characteristics of Users as well as Environmental Parameters. In 4th International Multidisciplinary Scientific Conference on Social Sciences and Arts SGEM2017. SGEM International Multidisciplinary Scientific Conference on Social Sciences and Arts. Book5. Volume II. Alexander Malinov Blvd., 1712 Sofia, Bulgaria: STEF92 Technology Ltd., 2017. s. 677-684. ISBN 978-619-7408-25-6. ISSN 2367-5659
- RUBÍNOVÁ, D. Ergonomics for the Elderly as the Topical Criterion for Industrial Design Creation. In 4th International Multidisciplinary Scientific Conference on Social Sciences and Arts SGEM2017. SGEM International Multidisciplinary Scientific Conference on Social Sciences and Arts. Book5. Volume I. Alexander Malinov Blvd., 1712 Sofia, Bulgaria: STEF92 Technology Ltd., 2017. s. 101-107. ISBN: 978-619-7105-96- 4. ISSN: 2367-5659
- RUBÍNOVÁ, D. Representation of a Human in Designer's Documentation for Presentation of Synergy of the Human with the Designed Product, NORDSCI Social Sciences Conference, July 17-19, Helsinki, Finland

THANK YOU FOR YOUR ATTENTION

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