

# Fab Fest in Brno

## 16. – 18. November 2018

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DT3.1.2 - report on the FabFest  
BUT - strojLAB, PP5

Version 1  
11 2018

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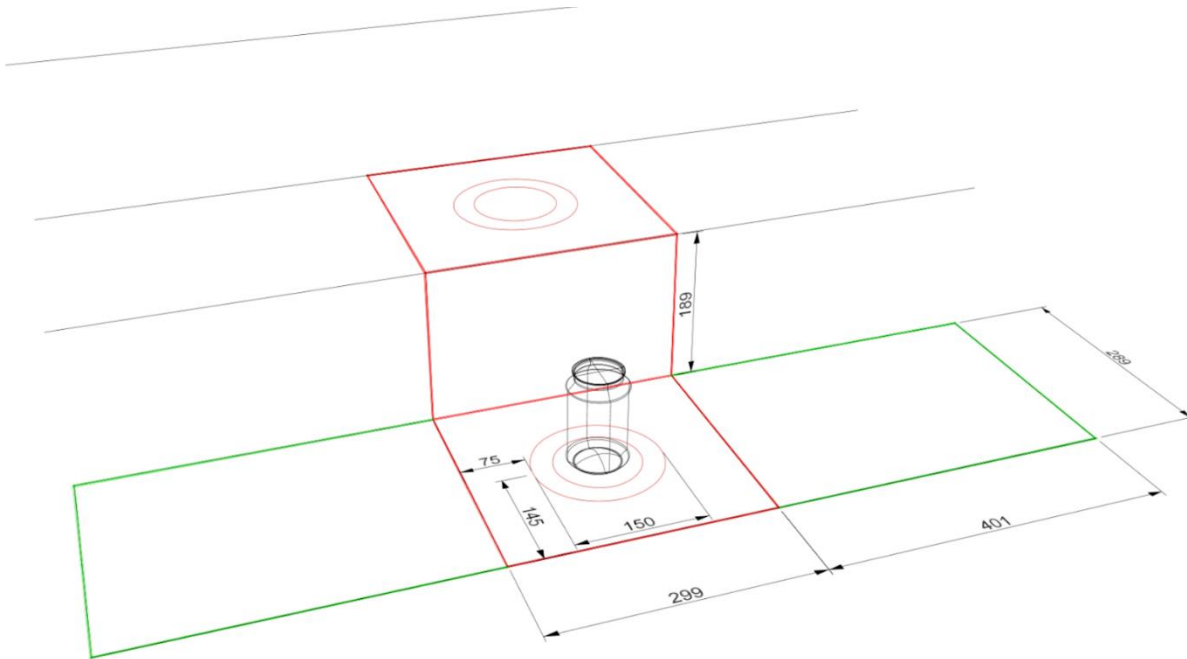
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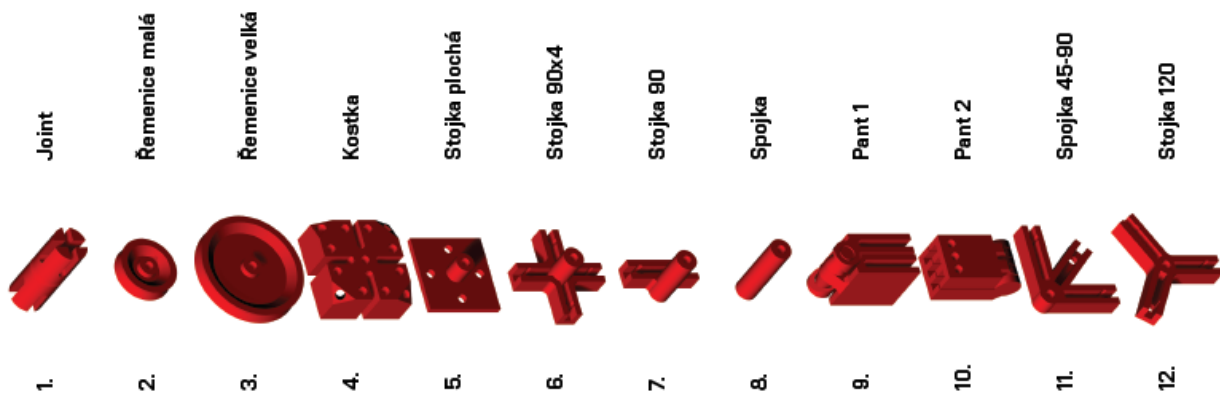
## FabFest 2 - Contest of mechanical designers

16.11.2018

We prepared contest for students to acknowledge potential users of strojLAB about possibilities and capacities they can use here. For that we choose form of team contest with main mission to build mechanism for lift Redbull-can up to one stair (pict. below) and serie of 14<sup>th</sup> small tasks.



We designed, and 3D printed those 12 parts to joint wooden skewers and paper cardboards to build lifter mechanism. Teams could buy those parts by credits given from successfully passed tasks.



In the subscription system we received 12 teams with 3 to 6 members. Event was totally attended by 51 students.

Contest of mechanical designers was introduced in lecture hall P1.



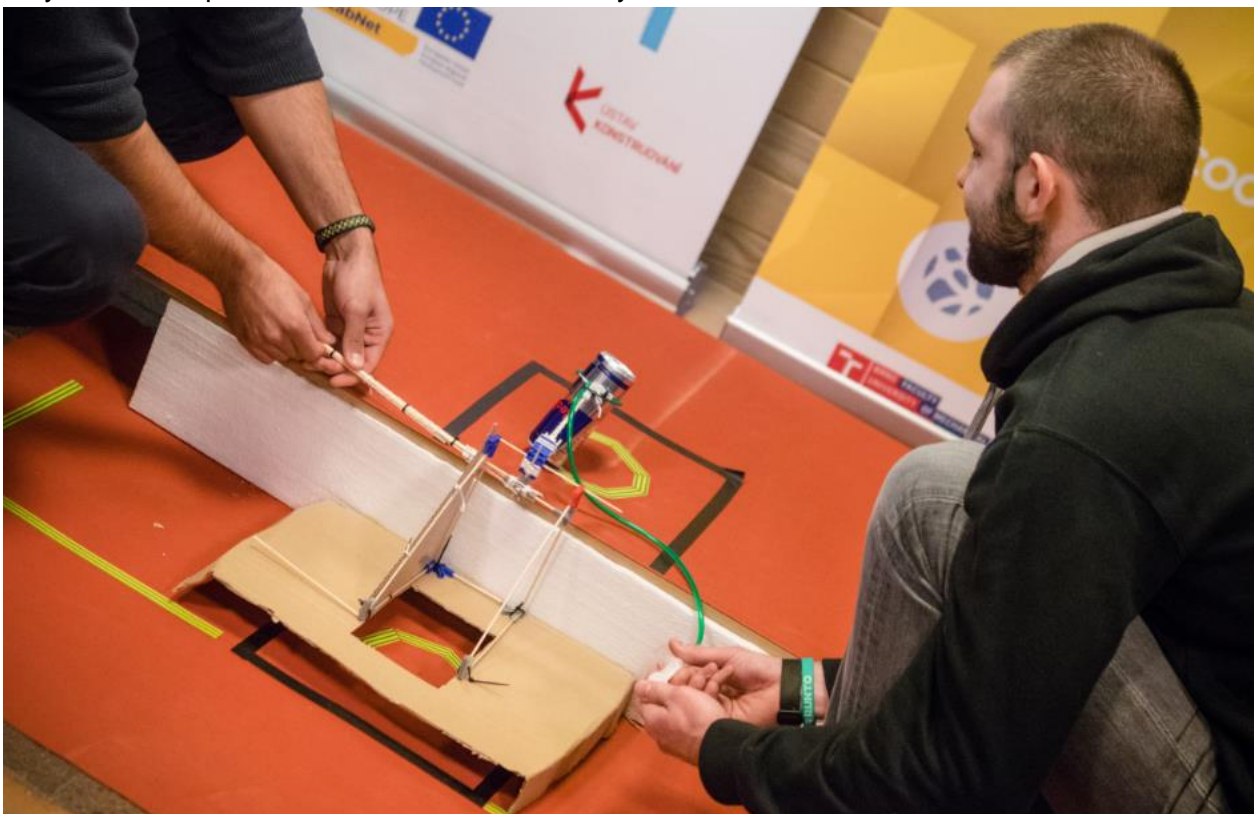
During the contest teams was collecting credits for necessary part for their design while they got familiar with strojLAB laboratories and equipments. On the picture below, you can see team working on their lifter design.







All teams presented their design of the lifter in front of other teams and jury. For the first place they needed to place the Redbull-can accurately on the stair in the shortest time.



Contest winners:



Teams with their fabricated prototypes.





## FabFest 2 - Festival Prototyp

16.11. - 18.11.2018

FabFest continued by exhibition at festival Prototyp located in BVV Trade Fairs Brno. This event was visited by over than 2000 participants.

Exhibiton of 3D printers



Exhibiton of robotic 3D printing





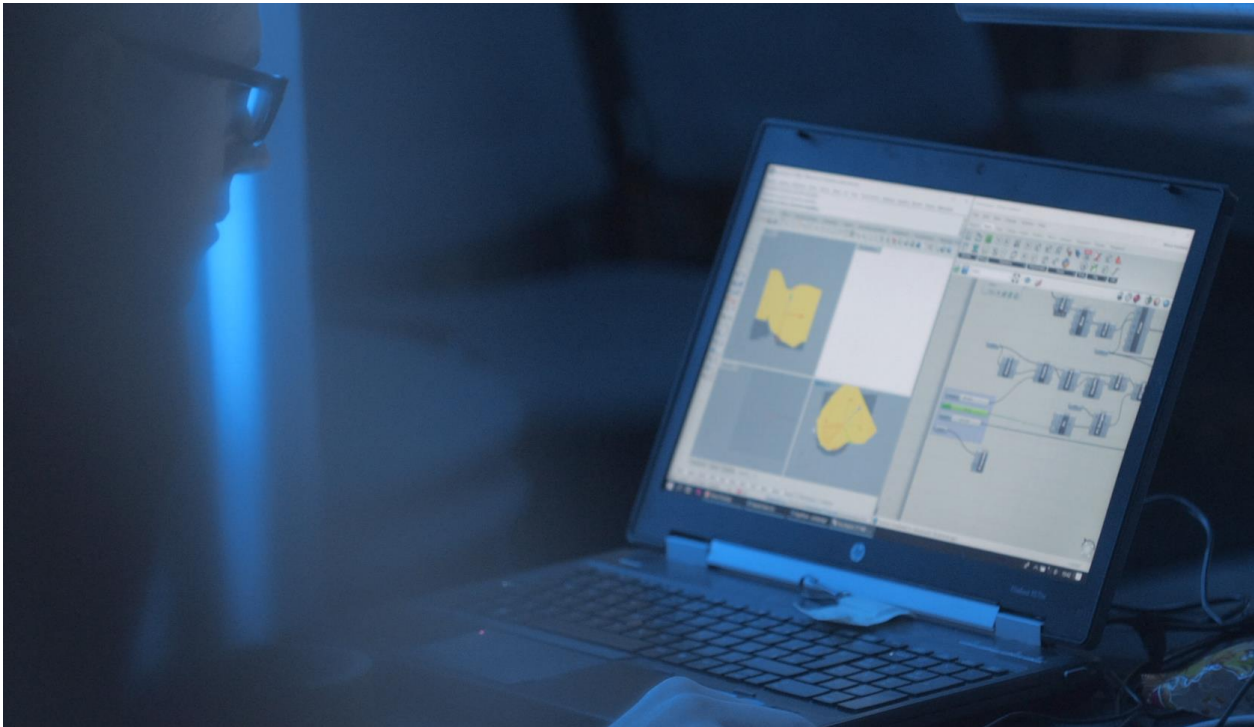
Bicycle fabricated in strojLAB



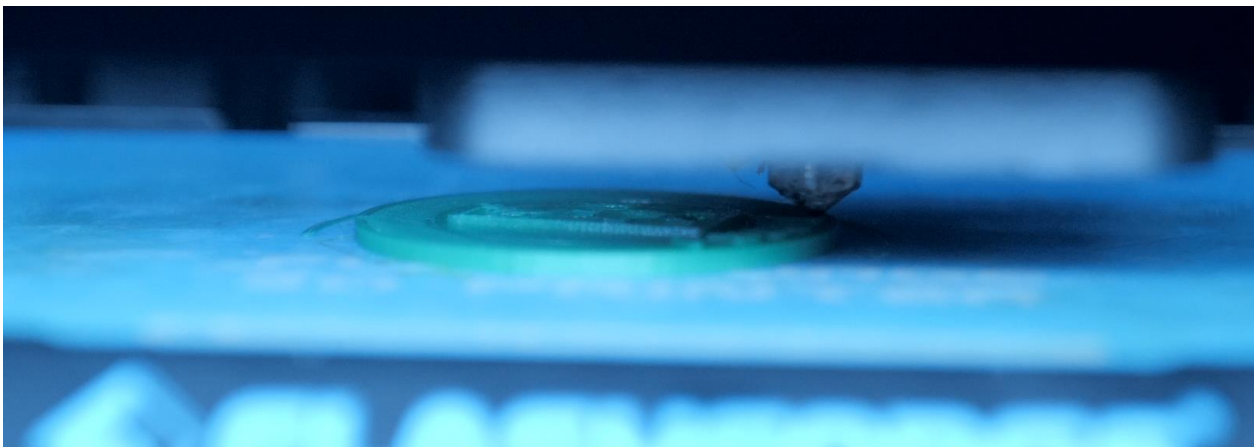
Workshop of face 3D scanning



Workshop continued by 3D scan processing. Data was arranged on the small coin with name.



Digital output was later 3D printed. All workshop participants got their coin with own face on it.



## Short overview of the Fab Fest

Contest of Mechanical engineers was attended by 51 students with direct potential to be strojLAB members. Exhibition place of strojLAB at festival Prototyp was visited at least by 2000 people while 170 of them undertook one of presented workshops (3D scanning, data processing or 3D printing). This event was focused to wide audience to present FabLabs as part of university ecosystem, which can inspire high school students and their parents by potential of studying in the field of technical sciences. Festival Prototyp hosted not only strojLAB itself but also project we supported as Pneumobile racing team, TU Brno Racing (formula student) and BUT chicken wings.

Interreg FabLabNet project was presented on stage of Maker presentations.

Soon we will publish (through usual channels linked to FabLabNet) short overview video about our Prototyp participation.

