

FabFest | New Technologies Open Day Zagreb 10th Nov 2018

DT3.1.2 - report on the FabFest
FabLab.hr - Zagreb, PP9

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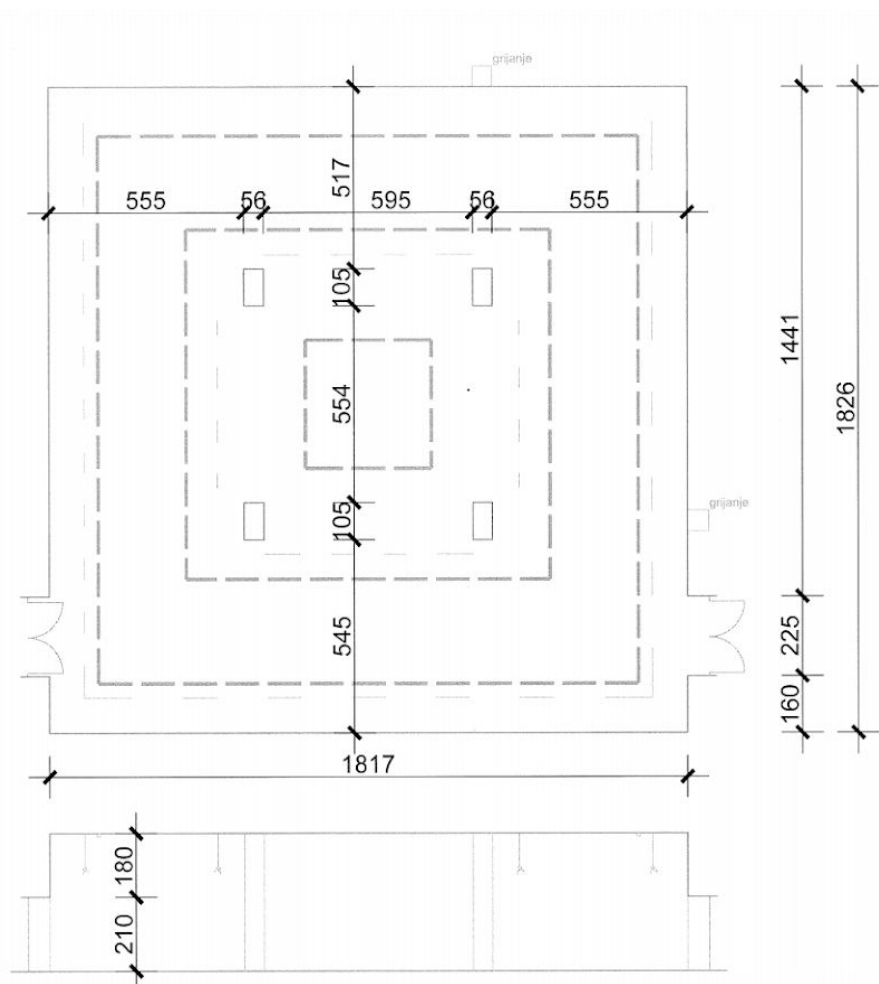
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Concept

We were connect DT312 Fab Fest in Zagreb to the STEAM Week event hole in Technical Museum Nikola Tesla from 5th till 11th November 2018. On 10th November we bring makers community, but also bring other stakeholder to one table, with idea to discuss how to enable various aspects of science promotion, including digital fabrication under title **FabFest | New Technologies Open Day**

During one day, open to public, we want to bring whole science including digital fabrication. Whole event was in Technical Museum Nikola Tesla, in Exhibition room on ground floor on total area more than 300 sqm.



We want to use momentum of STEAM Week which was closed event for teachers from primary schools, and raise awareness of importance of STEAM not only related to education but also to general public.

FabFest | New Technologies Open Day

On the 10th November, 2018, the Fab Fest took place in Zagreb in the Technical Museum, Savska street 18, 10000 Zagreb. The Fab Fest was linked to the STEAM Week event, which was held for second year, and as substitution to 3D printing open days event, which FabLab organizes since 2013.

Whole day event was include exhibition of the projects, and round table discussion with stakeholder.

Fab Fest support FabLab community, and our partners from regions including Slovenia and Italy with the following program:

SciFabLab Trieste (booth)

SciFabLab is science oriented FabLab from Trieste, which was also part of STEAM week, and fits perfect to whole concept connecting Science to Digital Fabrication. They have long experience and organize Mini Makers Fair in Trieste for last several years. They demonstrate several projects interesting to education but also to general population.

Fablab.hr (booth)

FabLab Croatia as organizer didn't show all possibility but focused to responsible resource managing in field of digital fabrication. On booth there was DIY bioplastic production line, which demonstrate bioplastic production from raw potato, extracting starch, and cooking plastic, but also, use in 3D printer in form of PLA filament. Visitors are offered simple workshop to make their own bioplastic. This was made in cooperation with Faculty of Architecture. Unfortunately part of the FabLab, in same time, were on Mini Makers FAire in Salzburg.

Technical culture association (booth)

Association of the Technical Culture is national wide association, since 1950. They cover various technology workshops, and for this one they prepare workshop related to

HID Association (booth)

HIS Association is science promoting association active in STEAM field and working close with University. They show various drone related projects, and offer opportunity to make simple drone, and learn how to control one. This was made in cooperation with Faculty of Mechanical Engineering.

Association Virtualci (booth)

Virtualci, (eng. Virtuals) is small secondary school association is devoted to bring virtual reality (VR), close to the people. Their enthusiastic teacher of history subject, Mr. Hano

Uzerbegovic is leading students in projects which are related to easy and engaged learning of the historic facts. They were participants on last 3D Printing Open Days event.

Mikrotron (booth)

Mikrotron is small enthusiastic group close to one small SME, which are interesting in developing DIY projects. They offer support to DIY and Makers community and participants on 3D Printing Open Days events last several years.

Mikrotrvornica (booth)

Mikrotrvornica is small SME raised from makers movement, and related to 3D printing and digital fabrication. They were part of makers community and participants on 3D Printing Open Days events last several years.

IRNAS (presentation) - Boštajn Vihar

3D Bioprinting

Recent research on 3D bioprinting topic from first hand, and about other IRNAS Rače (<https://www.irnas.eu/>) projects was presented and discussed.

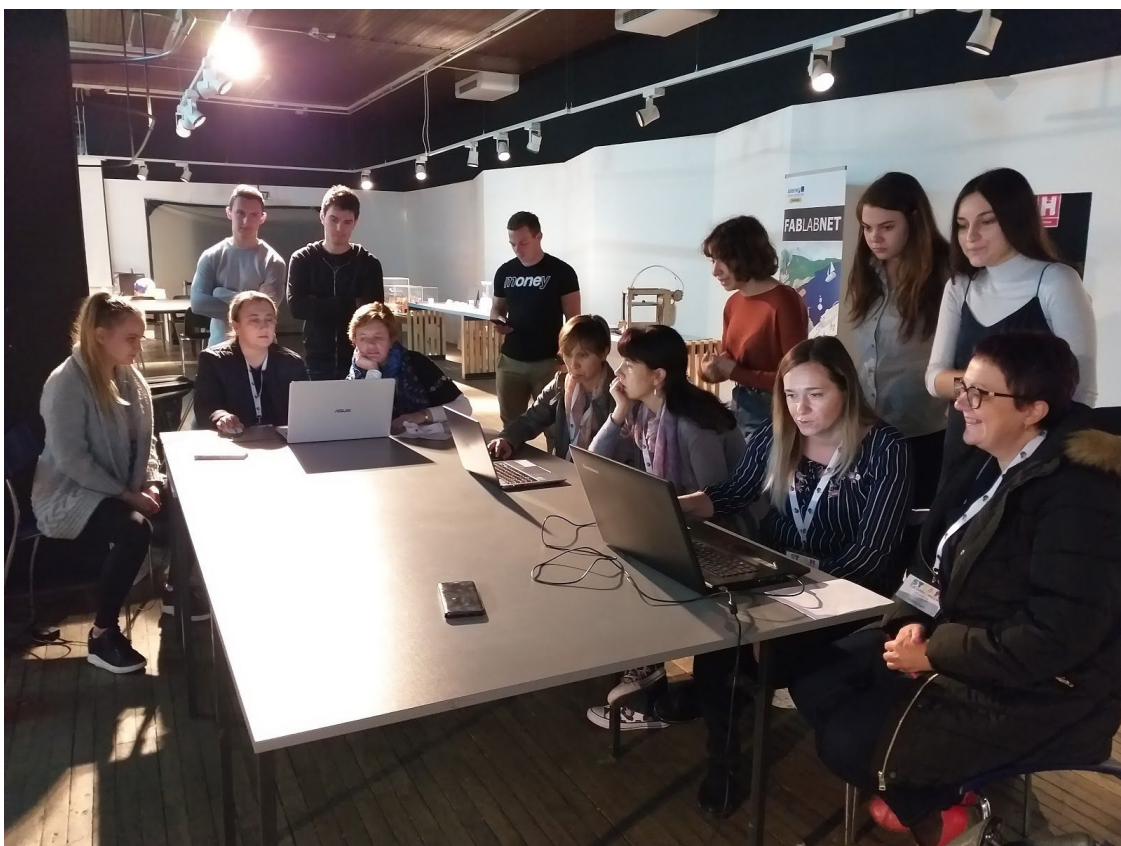
FabLab.hr (presentation) - Roberto Vdović

FabLab.hr actions and projects

In 2017 FabLab.hr had more than 100 activities, which was most intensive year so far. Sharing knowledge and experience from EU projects, In 2018, FabLab focused more on national level and calls to promote lessons learned in last few years on EU level. The STEAM Week and the Fab Fest are those kind of activities we roll out on national level and demonstrate our commitment.

Round table Science connecting people

This round table was organized to bring together legislative representatives together with NGO representatives and representatives from education and entrepreneurship (SME). Makers and science promoters had opportunity to suggest to legislative representative how to shape future national calls to get more reliable and interesting project to get funded. Round table also discuss about long term visions but also short ad-hoc actions. For future communications, communication online group is formed to close gap between legislative representative and NGOs.













Impact and benefits

More than thousand people visit this first Fab Fest during one day. 12 stakeholders participate in round table discussion how to promote whole STEAM and makers movement and have more impact on national level with some experience from surrounding countries.

In survey we got the feedback that almost all visitors were very satisfied or satisfied with their visit. Nearly 80% were visiting to be inspired and learn about new technologies and futures trends. 44% wanted to network and get in touch with makers and initiatives that exhibited at the event.

Sustainability and transferability

In the concept for the event of the Joint Methodology DT311 it is summarized five main engagement tools for such an event that worked very well:

1. Maker exhibition
2. Workshop program
3. Talks
4. Kids area
5. Internal get together for Makers

From this tools we used Makers Exhibition, we made Workshops, give a talks, and even have Kids are, Kids corner. Even in different way, we bring together, on round table, stakeholders, not only makers, and science promoters, to give feedback how to make various event to promote STEAM fields in future. Somehow, we cover various community which will be great experience for future activities and events and our Fab City Zagreb.

Lessons learnt

With experience since 2013, with organization or to co-organize similar events, such as 3D Printing Open Days, or Science Picnic, or participating on various Makers events in region, and Europe, but also design related events such as Design District or art related like Q'art Zagreb, we were encouraged by FabLabNet project and activities to organize first STEAM Week event not directly related to FabLabNet project, but also FabFest | New Technologies Open Day. Those are our lessons learnt after this event.

Stop Doing

- Offer various space options, based on first to come principle

Keep doing

- Inviting different initiatives which might be not directly seen as makers or digital fabrication related, but can be identified or inspired for projects in future.
- Invite participants from different stakeholders, to show and participate and make networks on the event

Start doing

- Engage participants to offer more interesting workshops, even this might have more financial request on whole organization
- Make more media efforts, and dedicated PR for events, to bring more people to events
- Consider dates that might be more interesting for visitors and offer mixture of open and closed exhibition spaces
- Bring more participants on national level, but also from region to enhance event (for example one of conclusion is to make efforts to shift such event to official Makers Fair event maybe even next year)