I would like to introduce the community with a software solution which we think might help a lot in GATE initiative activities.

My name is Linda Lancere from largest 3D printing company in Baltic States, which recently opened the first industrial 3D printer facility in Baltic States  ([www.3ders.org/articles/20160204-first-industrial-plastic-3d-printing-facility-in-the-baltics-opens-in-riga.html](http://www.3ders.org/articles/20160204-first-industrial-plastic-3d-printing-facility-in-the-baltics-opens-in-riga.html%22%20%5Ct%20%22_blank). We have been in 3D industry for last 3 years and gained some substantial understanding and experience.

Back in 2014 we have defined our mission which involves creating a Standard for mass customization of individually generated easily accessible and low cost smart prosthetic devices for various disabilities based on crowd sourced designs.

In July 2015 we were selected  among top 25 out of more than 150 ideas in the FABulous accelerator with our project idea WIDE (We Improve Device Experience), please see pdf attached;

Here at WiDE we are currently working on a **software solution that automates the customization process of the assistive device to fit every user's individual needs by combining 3D scan data with predefined prosthetic device templates.**

**Key functionalities of the software:**

- scan quality control

- automatic scan orientation and placement recognition – anatomical parts/ residual fingers

- individual template customization of separate pre-defined zones not only general scaling;

- template inner palm carved according to the 3d scan surface;

- invariable areas while pre-defined zone adjustment, e.g., holes for wires and springs;

- defined interaction relations between adjustable zones - when palm size is changed, fingers adjust proportionally, etc.;

- automatic dis/assembling of the model for printing

- result -> ready-to-print 3d file

Software development is now in the final development stage therefore we are looking for collaboration to test the software, please note that we’re elaborating software solution not P&O production business.

We’re willing to execute test modifications: to adjust your template to software needs, as a result You would be able to customize Your patient individual cases with Your template. We would print the customized P&O 3D model and deliver to you. All the tests would be performed with Your permission and delivered to You. In case you would be satisfied with the customized template, we would be happy to service you in order You could deliver  P&O to hundreds of Your patients in shorter terms.

Please feel free to forward this information to whom it might concern.

We would appreciate having a skype call to discuss our possible cooperation starting from 26.02.16.

Looking forward to hearing from You,

Kind regards,

Linda Lancere

WiDE project manager

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