

## OIPEC workshop within TRIZ Future Conference

The workshop was provided within the TFC conference by Gaetano Cascini

The day of OIPEC Workshop was the first day of international conference TRIZfuture-2017. More than 50 participants from 15 countries (see Fig. 1) participated in the conference and about 15 guests took part in OIPEC workshop. 10 students of LUT of graduate (MSc) level participated in the workshop and worked together with TFC crows in cross-nation, cross-disciplinary and cross-professional teams.

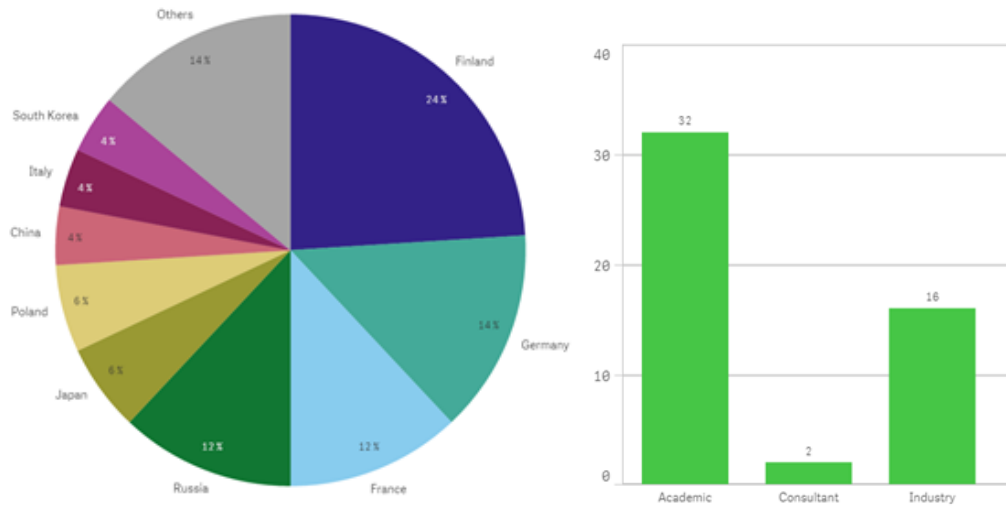


Fig 1. TRIZfuture 2017 conference. Nationalities and profession of of participants (courtesy of Kalle Elfvingren)

In the Photo 1 Prof. Gaetano Cascini (Politecnico di Milano, Italy), the coordinator for OIPEC project, welcomes the audience and explains the agenda of the workshop.





Photos 2 and 3. The problem for the Workshop was given by **Min Gyu Lee** (Q&MA Consulting, South Korea), it was real problem for spray bottle redesign originated from one Korean manufacturer. The goal was to improve the design and circumvent the patent of competitor.

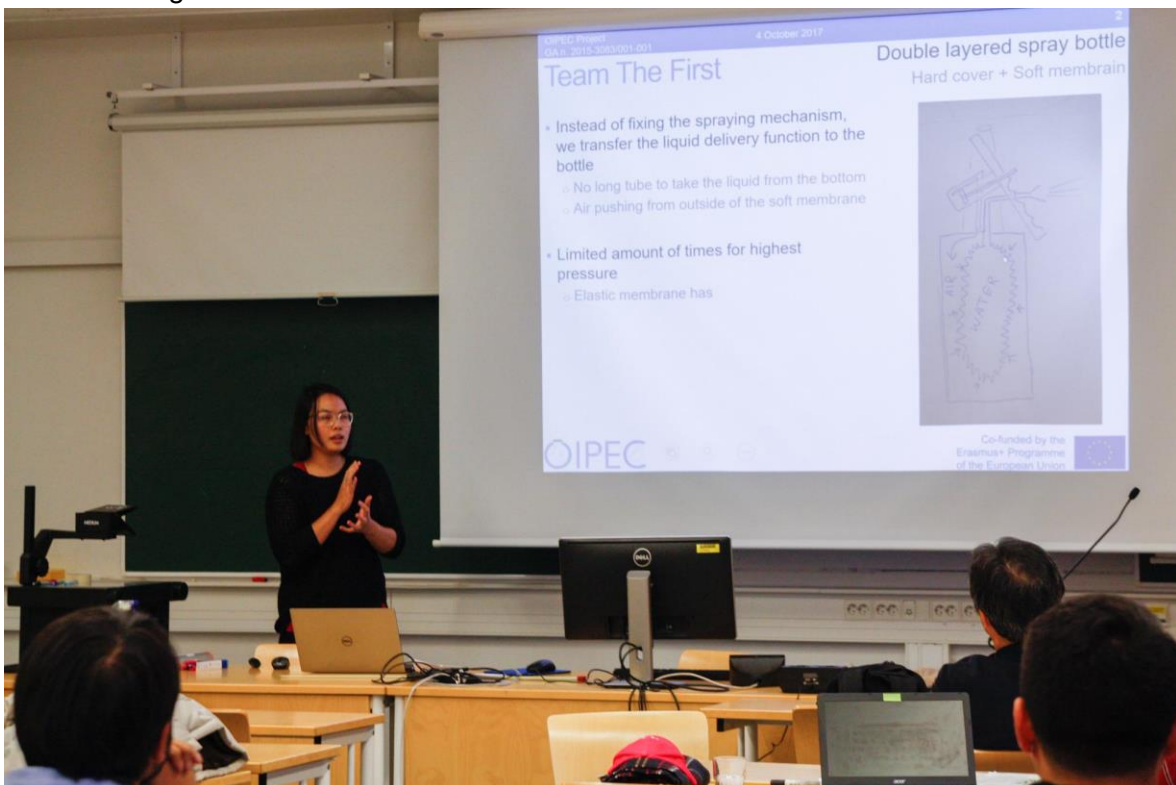


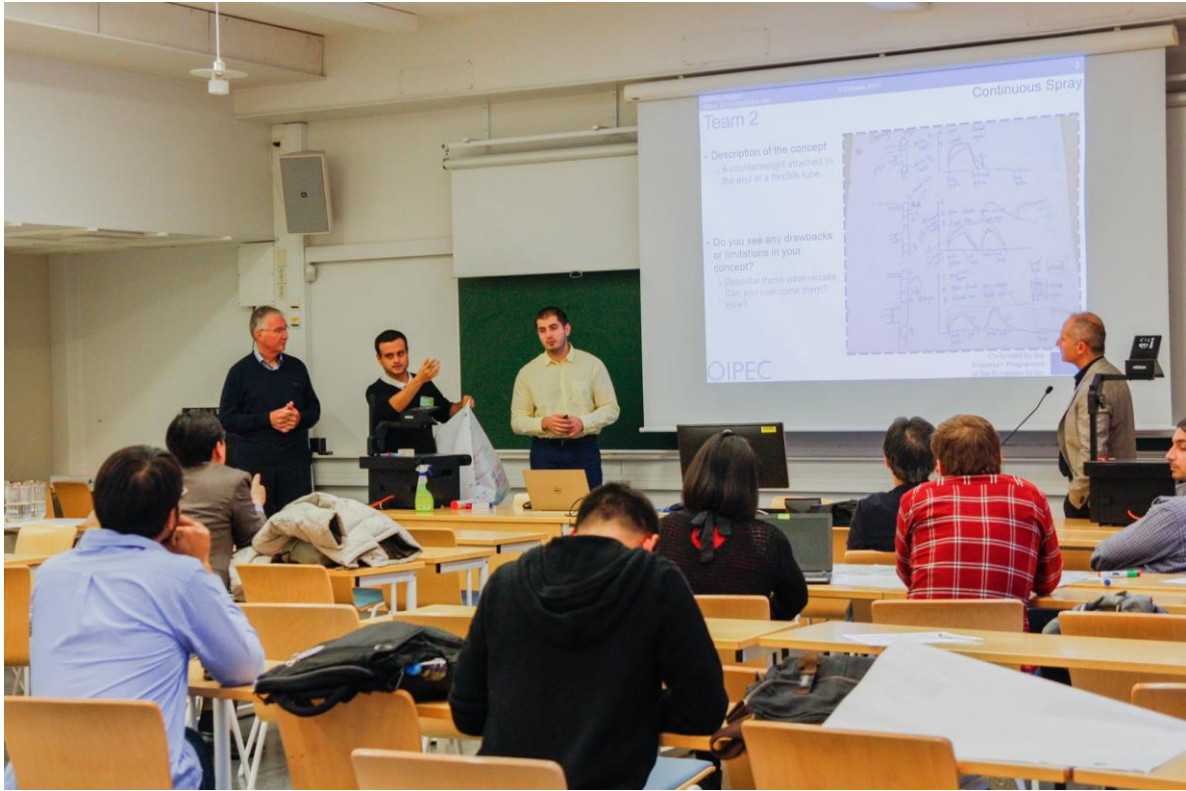
Students were split in groups and participated in idea generation and invention for the new product development. Participants of the conferences also was involved in a group work with students. Photos 4 and 5 show the team work where students, professors and engineers representing Russia, Finland, Vietnam, Italy, Japan, South Korea, Germany and Iran work together





Photos 6 and 7. Teams present the results of problem solving session with application of creative design tools.





The photos are made by: **Nienke Nijenhuis**