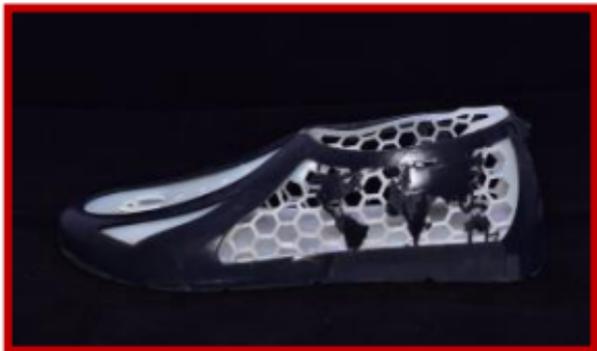


2016 Singapore International 3D Printing Competitions

SHOE CATEGORY



Peace – Art meets Technology to Shape a Better Future

Dhruvay Jain, Priyanka Nikam, Weihao Qu, Hardik Gandhi, Anshika Choudhary

State University of New York at Buffalo, USA

The shoe has been designed to consider pressure sensation to make feet comfortable. A blend of TangoBlackPlus (40%) and VeroWhite (60%) of DM9870 grade is used to achieve flexibility at various inside points, with desired softness and hardness to support bending action.

Technique: PolyJet technology

Bianca

Li Kainan, Zheng Yulong, Wang Rui
Republic Polytechnic

Bianca is a women's sandal, made from polyamide by Selective Laser Sintering. The sole design has a hollow platform heel, offering lightweight for user's comfort. The heel is surrounded by knit feature which enhances the visual and artistic effect. Rubber-like polymer is used for the chain-design strap as it is elastic and flexible.

Technique: Selective Laser Sintering



Evo-Slip 4U

Wang Heng

Raffles Institution



This design is built on the idea that slippers can be constantly upgraded to fit wearer's personality and interests, with changeable casings allowing for diversity on different occasions. Printed using TPU to achieve a soft, cool-dry texture, rectangle blocks with words are glued onto slippers, acting like stamps on ground, allowing for customisation.

Technique: Fused Deposition Modeling

2016 Singapore International 3D Printing Competitions

EYEWEAR CATEGORY



Biz Eyes

Nasim Sehat

Biz Eyes

Biz Eyes is a 3D printed eyewear with custom detachable spectacles which can be replaced simply by turning them 25 degrees and screwing another pair on. Comprising of a base frame made from sturdy transparent resin, a series of different 3D printed design which can be seen as a jewellery or fashion statement.

Technique: Selective Laser Sintering, Stereolithography

Schrodinger's Specs

Khor Le Yi, Gerald Eng, Daniel Tai, Abilash Subbaraman
Nanyang Technological University



Inspired by lenticular illusions and harnessing the precision of 3D printers, this 3D printed spectacles create the illusion of wave traversing across at the temples when viewed at different angles. Dynamism is hence created in mundane static objects with accuracy. The elegant slit design allows the focus on the eyebrows of users, enhancing individuals' facial expressions.

Technique: Fused Deposition Modelling

Chinese Dragon

Li Bozhao, Sun Leqi, Dong Haimo, Han Jiale, Li Bohan
Nan Hua High School



Showcasing the advantage of 3D Printing, the Chinese Dragon consist of nested sphere structures which can not be produced by traditional methods . The front part of design has a spherical curvature to fit the curve of head. The shape of legs is accurately calculated by mathematical function to surround the user's ears comfortably.

Technique: Selective Laser Sintering