



Student workshop on 3D-printing composites

(第10回 複合材成形のための3Dプリンティングに関するワークショップ)

Division of Composites 2.0, Japan Society for Composite Materials

Date : March 16th, 2020

Venue : Room 454, Ishikawadai 1st building, Ookayama campus, Tokyo Institute of Technology
2-12-1 Ookayama, Meguro, Tokyo, 152-8550 Japan

Registration fee : JSCM Member ; 5,000 Yen, Non-member ; 8,000 Yen, Student ; Free

Program

- 14:00~14:20 「The effect of core shape of 3D printed sandwich structure on the bending property」
Pia-Sophie Beck, Masahito Ueda (Nihon University, Technische Universität Darmstadt)
- 14:20~14:40 「Formability and mechanical property of variable thickness 3D printing of CFRP」
Naoya Kumekawa, Yuto Mori, Ryosuke Matsuzaki (Tokyo University of Science)
- 14:40~15:00 「Observations of 3D printed continuous carbon fiber reinforced plastic
by means of synchrotron radiation computed tomography」
Takuya Takahashi (Tokyo Institute of Technology), Masahito Ueda (Nihon University)
Kentaro Kajiwara (Japan Synchrotron Radiation Research Institute)
Akira Todoroki (Tokyo Institute of Technology)
- 15:00~15:10 Break
- 15:10~15:30 「3D printing of a heat exchanger by means of fused filament fabrication」
Masaya Okubo, Masahito Ueda (Nihon University)
- 15:30~15:50 「Self-sensing of 3D printed carbon fiber reinforced plastics」
Keisuke Iizuka, Akira Todoroki (Tokyo Institute of Technology)
- 15:50~16:10 「Improvement of precision of continuous carbon fiber composite material 3D printing
with small diameter nozzle」
Naohiro Yamada, Ryosuke Matsuzaki (Tokyo University of Science)
- 16:10~16:20 Break
- 16:20~16:40 「Testing method to evaluate the strength of 3D printed continuous CFRP
with a curved section」
Hirohide Shiratori, Akira Todoroki (Tokyo Institute of Technology)
- 16:40~17:00 「3D compaction printing of a continuous carbon fiber reinforced thermoplastic」
Shun Kishimoto, Masahito Ueda (Nihon University)