4D Printing

Workshop: 4D Printed Structures

by Prof. Thomas Gries (RWTH Aachen Univ.)

In this interdisciplinary Workshop we are exploring hybrid 4D structures. Instead of creating static objects with 3D printing, 4D printed systems allow structures to change its shape and function with time. As a relatively new discipline introduced in 2013, this technology is still in its infancy with many different possible applications.

Nestled in the interlinkage of smart hybrid materials, additive manufacturing and soft robotics, we are looking for students who are interested in exploring 4D structures with us. We are looking forward to your unique approach to 4D systems!

All expenses are covered by the international partners.

Date: October 2nd 2019
Time: 8:30~9:30 AM
Venue: SNU Idea Factory (Bldg. 39, Rm. B233)

RWTH AACHEN UNIVERSITY
IMSL
KOREA-GERMANY INTELLIGENT MANUFACTURING SYSTEMS LABORATORY
한국-독일 지능형 제조시스템 연구실

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4D Printed Structures: Program

Location: SNU Idea Factory (Bldg. 39, Rm. B234)

When?	What?	Info
10/2, 8:30-9:30 AM	Introductory Lectures	You will be learning all of the basics of 4D structures
10/4, 8:30-9:30 AM 9:30-10:00 AM	Design Thinking Workshop Idea Factory Safety Workshop	Learn about the design thinking methodology and safety rules
7th October – 25th October	Group Work: Design and Prototyping of 4D Structures	Self study. Design and build a prototype of your own 4D structure
28th October (Time: TBD)	Ending Presentation and award ceremony	Small ending presentation and evaluation of finished prototypes. Winners are granted a trip to RWTH Aachen University

This workshop is a cooperation project between Seoul National University and RWTH Aachen University. All materials and tools will be provided and the workshop will be held in English. The group with the best prototype will be invited to RWTH Aachen University. If you would like to participate please send email to below email address with name, email, field of study or scan the QR code to fill out the registration form.
All majors are welcome to join, including department of engineering, design and textiles.

For more information please contact…
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