

3D printing workshop for occupational therapists

Lecturer:

Sonoko Hayashi (ICT Rehabilitation Research Lab)

Yasuhiro Iba (Rehabilitation Division, Tottori University Hospital)

Time: 13:00-16:00

Room: 206

Minimum number of participants: 10

Estimated capacity: 36

Participation fee per person: 1,000 JPY

Learning Objectives

Identify the tools and software required for 3D printing.

Identify the application of 3D printing in occupational therapy.

Explain the process of 3D printing in practice.

Explain the difference of some properties of 3D printed materials.

Understand how they can apply 3D printing to their own clinical practice.

Experience 3D printing of assistive devices with COCRE HUB <https://cocrehub.com/>

Outline

3D printing technology allows citizens to create individually personalized products. Occupational therapists also better to make use of this technology for the benefit of their clients. FabLab Shinagawa and ICT Rehabilitation Research Lab in Japan are building a web platform for 3D printing that can be used in occupational therapy clinical practice. Most of the files for 3D printing are open source and can be used for free. That includes assistive devices, splints, training aids and therapeutic toys etc. We would like to share this activity with occupational therapists not only from Japan but also from other countries. In this seminar all participants will have the opportunity to experience making an assistive device with a 3D printer. This is a unique and very valuable opportunity.

Participants are required to bring their own laptop. Participants will receive special learning materials.