

# Japan Brand Program

## Open-source 3D-printable Bionic Hand

Schedule : November 27-December 4, 2016 Site: Austria, Poland

### ■ Dispatched Expert



**Genta Kondo**

**Catalyst**

**NPO Mission ARM Japan**

Kondo received his Master's degree from the School of Engineering, the University of Tokyo, in 2011. At university, he researched brain-machine interfaces, including myoelectric hands, and cybernetics. After graduation, he joined Sony Corporation, then established exiii Inc. in 2014, where he developed bionic arm technologies "handiii" and "HACKberry" as well as engaged in open source projects. In 2016 he left his position as company representative, and is currently engaged in bionic arm development and promotion at NPO Mission ARM Japan.

### ■ Review of Activities

#### ● Austria (Innsbruck, Klagenfurt)



Lecture at University of Innsbruck



Lecture at Lakeside Science and Technology Park, Klagenfurt



Panel discussion with Mr. Janos Kalmar of Otto Bock Austria GmbH.

#### ● Poland (Warsaw, Poznan)



Lecture at Warsaw University of Technology



Lecture at the MEDmeetsTECH international conference



Lecture at the School of Form, Poznan

■ Achievements Kondo gave lectures in Austria and Poland about the development of open-source, 3D-printable bionic arms. He visited Innsbruck and Klagenfurt in Austria then Warsaw and Poznan in Poland, where gave lectures at universities and at an international medical conference. They were all widely covered by the local media. In every location he met a variety of people, including representatives of prosthetic limb manufacturing companies, university staff and students, engineers who were already engaged in the production of prosthetic limbs using HACKberry open source technology, representatives from start-up companies, and persons who actually use prosthetic limbs. Kondo had conversation with them about the current status and trends of technology, research and business development. This project helped to deepen understanding about Japanese technology and manufacturing. It has also materialized numerous specific collaborative projects.