

# Breakout Sessions (13:45-17:20)

## Session 1: Robotics

13:45 -17:20    Session 1

@West Bldg 5, W531, Lecture Theatre

Moderator: Prof. Yukio TAKEDA (Tokyo Tech)

13:45 -15:25    **Session 1-1: Assistive Robotics Technology to Support Aged Society**

13:45-14:10    *Introduction, Interactive Design of Assistive Devices*

Prof. Yukio TAKEDA (Tokyo Tech)

14:10-14:35    *From Robot-Aided Rehabilitation to Soft Wearable Exosuit: Human in the Loop*

Assist. Prof. Lorenzo MASIA (NTU)

14:35-15:00    *Artificial Heart and Power Supply Systems for Heart Failure Patients*

Assoc. Prof. Wataru HIJIKATA (Tokyo Tech)

15:00-15:25    *Soft Robotics - their applications and basic technologies*

Prof. Koichi SUZUMORI (Tokyo Tech)

15:25-15:40    **Coffee break**

15:40-17:20    **Session 1-2: Robot Technology to Support New Industry**

15:40-16:05    *Robotic Solutions for Infrastructure Preventive Maintenance*

Dr. Michele GUARNIERI (HiBot)

16:05-16:30    *Robotic Manipulation with Contact and Dynamics*

Assist. Prof. PHAM Quang Cuong (NTU)

16:30-16:55    *Assistive Mobile Robot and Decommissioning Robot*

Assoc. Prof. Gen ENDO (Tokyo Tech)

16:55-17:20    *Surgical Robot Systems using Pneumatic Actuators*

Assoc. Prof. Kotaro TADANO (Tokyo Tech)