

### **SEMINAIRE SCIENTIFIQUE – ECOLE DOCTORALE MEGA**

Mercredi 22 mars à 14h00, Salle Leonard de Vinci Ifsttar  
Cité des Mobilités, Bron

#### **Title: AIST Gait Features Assessment Technology**

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#### *Abstract.*

The science of gait features is now applicable to new services, e.g. onsite gait-specific customized footwear/garments, sensor-based applications, and/or surveillance and tracking services, because of recent advancement in sensor technologies. We, the researchers in a research institute under the control of ministry of trade, industry and economy (METI) in Japan, conduct the studies of human locomotion to describe the gait features of healthy individuals to support people developing various systems and/or services which provide useful information related to gait features.

In this seminar, I would like to share some of the latest research topics regarding AIST Gait Features Assessment Technology, which National Institute of AIST is working with various industries in Japan, with you.

#### *Biography.*

Yoshiyuki Kobayashi Ph.D. is a Senior Research Scientist at Digital Human Research Group, Human Informatics Research Institute, National Institute of Advanced Industrial Science and Technology. The goal of his research is the prevention of falling during latter stage of one's life. To achieve this goal, he is now working with various industries in Japan to build the systems to describe and feedback the gait features of users.

#### *Key words:*

Locomotion, Fall risk assessment, AIST Gait Database, Estimation Model, Big data/Deep data