UNIVERSITÉ SAVOIE MONT BLANC

日仏交流メカトロニクスウィーク
JFWM 2019
2019.09.12 THU – 20 FRI
@ ANNECY, FRANCE
JAPANESE FRENCH WEEK ON MECHATRONICS

Supported by: La Région Auvergne-Rhône-Alpes

POLYTECH ANNECY-CHAMBÉRY

Program Overview

Thursday Sept 12

Coffee - 9:30-10:00 - *Main Hall Polytech Annecy Chambéry*

Opening - 10:00-10:15 - P. Bollon - *B120*

Presentation: Program & "Challenge" - 10:15-10:30

90' Lecture
10:30 - 12:00
Y. Suzuki, University of Tokyo
Design of broadband vibration energy harvesting device
B120

Lunch Break
12:00-14:00

PhD Thesis Defence
14:00 - 17:00
K. Yamamoto, SYMME Lab
MEMS bistable generator to power sensors for energy efficient building and building management
B120

Friday Sept 13

90' Challenge: practical work
08:30 - 10:00
F. Formosa, L. Marechal
(Group A, B, C)
C102 & B104

90' Tutorial - 08:30 - 10:00
Y. Suzuki
Design of broadband vibration energy harvesting device
(Group D, E, F)
C214

Coffee break - 10:00-10:15

90' Tutorial - 10:15 - 11:45
Y. Suzuki
Design of broadband vibration energy harvesting device
(Group A, B, C)
C214

90' Challenge: practical work
10:15 - 11:45
F. Formosa, L.Marechal
(Group D, E, F)
C102 & B104

Lunch break
11:45-13:30

60' Keynote - 13:30-14:30 - *B120*
C. Chanvillard, Schneider Electric
Mechatronics design for Schneider Electric Projects

60' Keynote - 14:30 - 15:30 - *B120*
C. Duret, NTN-SNR
Challenges and opportunities of mechatronics for NTN-SNR

Break - 15:30-15:45

60' Keynote
15:45 - 16:45
Stäubli
B120

Sat.Sept 14 / Sun. Sept 15

Day Trip
Annecy Lake

Monday Sept 16 - Technology for Health day

45' Keynote - 09:00 - 09:45 - *B120*
J. Voix, ETS Montréal, CA
The ear at the age of IoT

45' Keynote - 09:50 - 10:35 - *B120*
T. Fujita, University of Hyogo, JP
Technologies for health based on MEMS

Coffee break - 10:40-11:00

45' Keynote - 11:00 - 11:45 - *B120*
H. Wurdemann, University College London, UK
Modular suturing catheter for minimally invasive surgery

Lunch break
11:45-13:30

45' Keynote - 13:30 - 14:15 - *B120*
C. Barthod, USMB, FR
Mechatronic didactic environment for Paediatric Chest Physiotherapy learning

45' Keynote - 14:20 - 15:05 - *B120*
H. Sawada, Waseda University, JP
Mechatronic technologies for health and medicine

Break - 15:10-15:30

45' Keynote - 15:30 - 16:15 - *B120*
D. Kaplan, Tufts University, US
Silk Proteins as Biomaterials and for Tissue Engineering

Tuesday Sept 17

90' Lecture
08:30 - 10:00
T. Fujita
IoT modules and its tutorial by using SBC
B120

Coffee break - 10:00-10:15

90' Lecture
10:15 - 11:45
H. Sawada
Image processing for Mechatronics
B120

Lunch break
11:45-13:30

90' Workshop
13:30-15:00
T.Fujita
IoT modules by SBC
(Group A,B)
C121

90' Workshop
13:30-15:00
H.Sawada
Image processing for mechatronics
(Group C,D)
C102

90' Challenge: practical work
13:30-15:00
F.Formosa
(Group E,F)
B104 & C114

Break - 15:00-15:15

90' Challenge: practical work
15:15-16:45
F.Formosa
(Group C,D)
B104 & C114

90' Workshop
15:15-16:45
T.Fujita
IoT modules by SBC
(Group E,F)
C121

90' Workshop
15:15-16:45
H.Sawada
Image processing for mechatronics
(Group A,B)
C102

Wednesday Sept 18

90' Workshop
10:15-11:45
T.Fujita
IoT modules by SBC
(Group C,D)
C121

90' Workshop
10:15-11:45
H.Sawada
Image processing for mechatronics
(Group E,F)
C102

90' Challenge: practical work
10:15-11:45
F.Formosa
(Group A,B)
B104 & C114

Lunch break
11:45-13:30

SOMFY
Industrial site
Visit of showroom and production facilities
13:30-17:30
Cluses
(To be confirmed)

Thursday Sept 19

90' Challenge: practical work
9:00 - 12:00
F. Formosa, H. Favrelière, L. Marechal
C114, C102, B104

Friday Sept 20

Challenge: Presentations
9:00 - 11:00
B120

Challenge: Jury deliberations - *B120*
11:00 - 11h30

Challenge: Awards - 11:30 - 11:45 - *B120*

Farewell Drink
11:45 - 13:45
Main Hall Polytech

French / International academics
Japaneses academics
Industry

Invited Speakers

The University of Tokyo, JP

University of Hyogo, JP

Waseda University, JP

UCL — University College London, UK

ÉTS — Le génie pour l'industrie — École de Technologie Supérieure, CA

Tufts University, US

Invited Companies

NTN

SNR

somfy

Schneider Electric

STÄUBLI