日仏交流メカトロニクスウィーク
JFWM 2019
JAPANESE FRENCH WEEK ON MECHATRONICS

2019.09.12 THU –20 FRI @ ANNECY, FRANCE

Supported by: La Région Auvergne-Rhône-Alpes

UNIVERSITÉ SAVOIE MONT BLANC

POLYTECH ANNECY-CHAMBÉRY

Program Overview

Thursday Sept 12

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

Opening - 10:10-10:15 - 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

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

Legend:
French / International academics
Japaneses academics
Industry

Invited Speakers

The University of Tokyo, JP
University of Hyogo, JP
Waseda University, JP
University College London, UK
École de Technologie Supérieure, CA
Tufts University, US

Invited Companies

NTN
SNR
somfy
Schneider Electric
STÄUBLI