

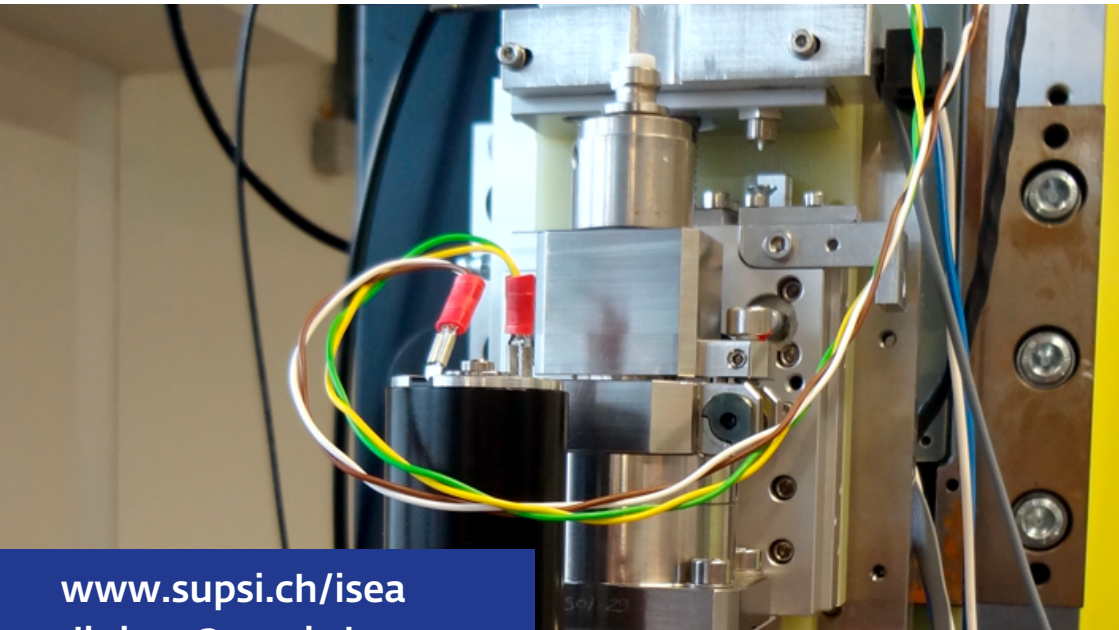
**SUPSI**

# Mechatronic systems, innovative competences for the development of companies

## **Invitation**

Tuesday June 6th 2019, h 14.00  
Sala Anfiteatro  
Galleria 2, Manno

A registration within May 29th is  
appreciated through online form at link:  
[www.form-dti.app.supsi.ch](http://www.form-dti.app.supsi.ch)



[www.supsi.ch/isea](http://www.supsi.ch/isea)  
[dir.isea@supsi.ch](mailto:dir.isea@supsi.ch)

Mechatronics is conceived as the combination of mechanic, electronics, computer science and control theory, with the aim of designing, developing and controlling systems and processes at a high level of automation and integration. The objective of SUPSI's Laboratory for mechatronics system (SMT) of the Institute for systems and applied electronics (ISEA) is to provide to companies high competences and innovative methods in the field of mechatronics in order to encourage comprehension and exploitation of advantages in terms of costs and performances of an integrated view of classic disciplines.

The event will show opportunities given by mechatronic approach, supporting innovation in companies, thanks to which it is possible to reach more functionality and better performances for lower costs.

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**14:00**

**Welcome**

*Prof. A. Salvadè*

Director of the ISEA Institute

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**14:05**

**Presentation of the Laboratory for mechatronics systems**

*Prof. R. Bucher*

Head of the Laboratory for mechatronic systems

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**14:15**

**Movement and analysis systems related to industrial manufacturing**

*M. Bianchi*

Senior researcher

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**14:30**

**Mathematic methods for the rapid prototyping "Matlab, Scilab and Python"**

*Prof. R. Bucher*

Head of the Laboratory for mechatronic systems

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**14:45**

**Analysis methods and finite elements with Matlab**

*M. Jaccard*

Researcher

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**15:00**

**Calibration through error estimation inversion**

*G. Montù*

Senior lecturer-researcher

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**15:15**

**From smart-home to smart-grid**

*G.C. Dozio*

Lecturer-researcher

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**15:30**

**Practical demonstrations Laboratory guided tour**

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**16:30**

**Aperò and networking**

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**For information**

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