

# Message from the organizers

*This edition of SSIE is dedicated to the memory of Prof. **Silvano Pupolin**, an esteemed colleague and a friend. Silvano founded this summer school in 1991, and has been his Director until 2016. He passed away on February 11, 2018. He always loved organizing this school and, above all, spending time with the students, nurturing a great research community. Initial editions offered a training program on telecommunications engineering, with lessons spanning over three days. Since then, the school has grown, attracting students from abroad, becoming a place where European projects and International collaborations could find a home for discussion, seminars, training activities and so forth.*

Technically, SSIE 2018 is revolved around **cyber physical systems**, targeting:

- I. **sensing technology**: lessons and seminars will be given on the design of nano biosensors, and ultra low power receivers for IoT devices
- II. **signal processing techniques**: analysis of sequential data, deep learning for visual data
- III. **applied signal processing & applications**: *gait analysis* through multiple sensors, portable devices for *augmented reality*, human-in-the-loop: sensing and actuation for *autonomous driving* scenarios

The teachers are leading experts in their respective fields; we are honored to have them aboard and we do thank them for their kind support. We are truly proud of this year's program.

We hope you will enjoy the school, Brixen, and take a bit of time to immerse yourself in the fresh air, exciting trails and stunning views of the surrounding alps.

The organizers,

**Gaudenzio Meneghesso**

**Michele Rossi**