

May 26-31, 2025  
Pisa, Italy



## 2025 IEEE - EMBS International SUMMER SCHOOL on “Advanced Data Analytics in Physiology” Biomedical Signal Processing and Cardiopulmonary System Engineering

### MAIN TOPICS

- Advanced Signal Processing
- Cardiopulmonary System Modelling
- Cardiovascular Signal Processing
- Neural Data Analysis
- Brain-Heart Axis Modelling
- Physiology-based Statistical Inference
- Multiscale and Complex System Network Modelling

### ORGANIZERS

IEEE EMBS Technical Community  
on Biomedical Signal Processing

**Gaetano Valenza**

Università di Pisa

IEEE EMBS Technical Community  
on Cardiopulmonary System and  
Physiology-Based Engineering

**Riccardo Barbieri**

Politecnico di Milano



<https://ncil.ing.unipi.it/2025-summer-school>

#### CONTACTS

gaetano.valenza@unipi.it

riccardo.barbieri@polimi.it

simona.moschini@unipi.it



**IEEE**



IEEE Engineering in Medicine & Biology Society



UNIVERSITÀ  
DI PISA



**POLITECNICO  
MILANO 1863**