

FIVE DAYS TRAINING

# Innovative STEM teaching in Higher Education: from theory to action

26th-30th May 2025 | h 10-17  
“Il Fuligno”, Via Faenza, 48 – Florence

These five days training is organized the University of Florence in the context of the project TED-SOEP (Transforming STEM teacher education in South Africa through Self-Directed Open Educational Practices), an Erasmus+ Project – Capacity Building in the Field of Higher Education (Project Reference 101179402). The main aim of TED-SOEP is to foster collaboration between South African and European Higher Education Institutes to enable the exchange and transfer of expertise, best practices and know-how in integrating self-directed open educational practices (OEPs) and open educational resources (OERs) into STEM teacher education.

## 26th May 2025

*Introduction to Open Educational Resources (OERs) and Practices*

10:00-11:15 Prof. **Maria Ranieri**,  
University of Florence

11:15-11:30 Coffee Break

11:30-13:00 Prof. **Andreas Formiconi**,  
previously University of Florence

14:00-17:00 Project work session lead by  
Dr. **Donatella Persico**, PhD,  
Dr. **Francesca Pozzi**, PhD (ITD-CNR)

## 29th May 2025

*Simulating Real-World Scenarios  
in STEM Teaching*

10:00-11:15 Dr. **Claudia Baiata**,  
PhD, University of Florence

11:15-11:30 Coffee Break

11:30-13:00 Dr. **Lapo Pierguidi**,  
University of Florence

14:00-17:00 Project work session lead by  
Dr. **Donatella Persico**, PhD,  
Dr. **Marcello Passarelli**, PhD (ITD-CNR)

## 27th May 2025

*Inquiry-Based Learning in STEM education*

10:00-11:15 Dr. **Alice Roffi**,  
PhD, University of Florence

11:15-11:30 Coffee Break

11:30-13:00 Prof. **Enrica Caporali**,  
University of Florence

14:00-17:00 Project work session lead by  
Dr. **Donatella Persico**, PhD, Dr. **Francesca  
Pozzi**, PhD, Dr. **Marcello Passarelli** (ITD-CNR)

## 30th May 2025

*Problem-Based Learning in STEM education*

10:00-11:15 Dr. **Alice Roffi**,  
PhD, University of Florence

11:15-11:30 Coffee Break

11:30-13:00 Prof. **Luigi Barletti**,  
University of Florence

14:00-17:00 Project work session lead by  
Dr. **Donatella Persico**, PhD (ITD-CNR)

## 28th May 2025

*Engaging Students with Game-Based Learning  
in STEM*

10:00-11:15 Prof. **Stefano Cuomo**,  
University of Florence

11:15-11:30 Coffee Break

11:30-13:00 Prof. **Franco Bagnoli**,  
University of Florence

14:00-17:00 Project work session lead by  
Dr. **Donatella Persico**, PhD,  
Dr. **Marcello Passarelli**, PhD (ITD-CNR)

### Responsabile scientifico

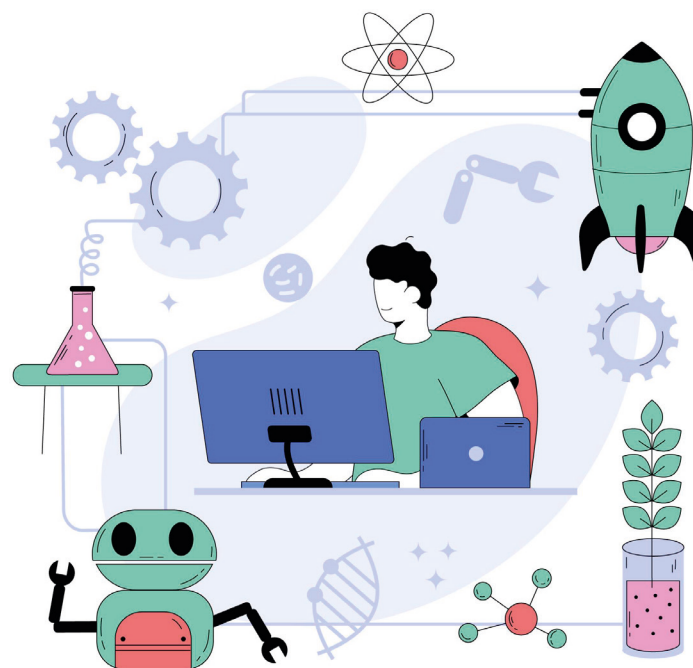
Prof.ssa Maria Ranieri

### Comitato tecnico-scientifico

Prof.ssa Maria Ranieri, Prof. Stefano Cuomo,  
Dr. Gabriele Biagini, Dr. Donatella Persico, Dr. Francesca Pozzi, Dr. Alice Roffi

### Segreteria Organizzativa

Dr. Claudia Baiata, Dr. Federica Pratovecchi



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