

## Call for Participation

---

Capri, ITALY, September 23-27, 2024

## 10<sup>th</sup> IEEE-EURASIP SUMMER SCHOOL ON SIGNAL PROCESSING



The 2024 IEEE-Eurasip Summer School on Signal Processing (S3P-2024) represents a stimulating environment where top scientists in signal processing and related fields share ideas on fundamental and ground-breaking methodologies. It provides PhD students and researcher with a unique opportunity of interacting and networking with leading researchers. The main theme of this 10th edition is "Understanding and Modeling the World Around Us", with talks covering the various phases of this process, from describing the visual and acoustic scene, to learning models of objects and humans, to creating and analyzing alternative realities.

### Lectures

---

**Angela Dai** (Technical University of Munich, Germany)

**Learning to Understand the 3D World**

**Alexei (Alyosha) Efros** (University of California, Berkeley, USA)

**Algorithms vs Data: what's more important?**

**Irfan Essa** (Georgia Institute of Technology and Google, USA)

**Generative Video: New Models, Applications and Challenges**

**Marco Gori** (University of Siena, Italy)

**Collectionless machine learning**

**Tal Hassner** (Meta, USA)

**Real Faces, Fake Faces: From AI to Responsible AI**

**Koki Nagano** (NVIDIA Research, USA)

**AI-Mediated Reality: From Synthesis to Verification**

**Matthias Nießner** (Technical University of Munich, Germany)

**Photo-realistic AI Avatars**

**Stefano Soatto** (University of California Los Angeles, USA)

**Representation Learning for Concepts and Meanings: from Inductive Learning of Signals to Reasoning about the World**

**Tuomas Virtanen** (University of Tampere, Finland)

**Computational analysis of everyday acoustic scenes: methods, data, and evaluation**

---

[grip.unina.it/s3p2024/](https://grip.unina.it/s3p2024/)