



# PISA 2025

## 8<sup>th</sup> International Summer School on INTELLIGENT SIGNAL PROCESSING FOR FRONTIER RESEARCH & INDUSTRY

FOSTERING CROSS-DISCIPLINARITY

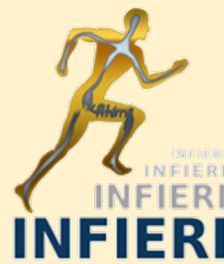


Image created using generative AI (MiroSoft Copilot), depicting Galileo taking a selfie in front of the Leaning Tower

### Lectures & Hands-on Labs on Cross-disciplinary, cutting-edge Research fields, and High Technologies Development

- From **Astrophysics** (Gravitational Waves and Sun Exploration) and **Particle Physics** (Beyond Higgs/Future accelerators & Quantum Experiments) to New paradigms in **Nuclear Fission** and **Fusion**
- From **Advanced semiconductors** to **Quantum sensing**, **Nano-technologies/Biology/Medicine**
- From **Big Data Transfer**, beyond-Moore's-Law **High Performance Computing** to **AI and Quantum Technologies** in Science and Industry

Target audience: M.Sc., Ph.D., postdoc-level physicists and engineers

1/9 to 13/9/2025 Pisa, Italy

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