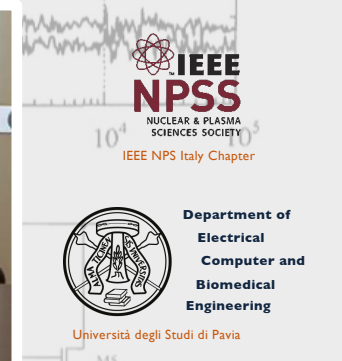


2023 IEEE Emilio Gatti and Franco Manfredi Best Ph.D. Thesis Award in Radiation Instrumentation Award Ceremony December 18th, 2023



The event is free, but registration is required at the link

<https://forms.office.com/e/p4sqEtH0eZ>



How to get there

- ① Dipartimento di Ingegneria Industriale e dell'Informazione
- ② "Istituti Universitari" Exit
- ③ Pavia Railway Station

$$R_{NN}^{1/2}(0) \cdot \left[\frac{1}{\alpha_2^2} \right]$$



Contacts:

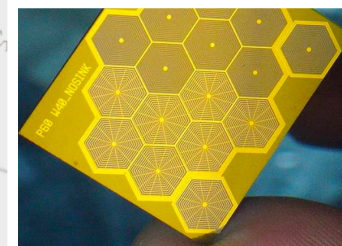
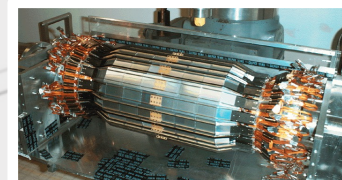
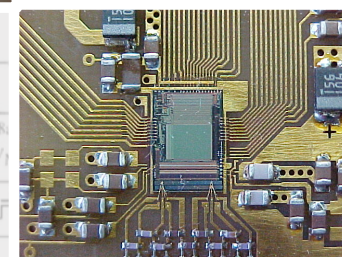
Lodovico Ratti
lodovico.ratti@unipv.it
+39 0382 985222



The IEEE NPS Italy Chapter is pleased to announce the seventh edition of the Award in memory of Emilio Gatti and Franco Manfredi. The award is presented to distinguished young scientists who have completed their Ph.D. thesis in the field of Radiation Instrumentation for fundamental and applied research. The prize consists of 500 Euros and a certificate.

For more information about the award visit:

<https://r8.ieee.org/italy-nps/awards/>



Agenda

- 13:00 Networking lunch, Buvette dell'Ingegnere
- 14:00 DIII Deputy Head of Department Welcome
Valerio Annovazzi Lodi
Università di Pavia
- 14:10 IEEE NPS Italy Chapter Chair Welcome
Lodovico Ratti
Università di Pavia
- 14:20 Presentation of the IEEE Emilio Gatti Technical Achievement Award to Gian-Franco Dalla Betta,
Università di Trento
- 14:35 “Resistive read-out and built-in amplification: two key innovations to achieve 4D tracking with silicon sensors”
Nicolò Cartiglia
INFN, sezione di Torino
- 15:15 “Neutron detectors for spallation sources: from meV to GeV”
Carlo Cazzaniga
UKRI-STFC, Rutherford Appleton Laboratory, UK
- 15:55 Emilio Gatti and Franco Manfredi Award Ceremony
- 16:00 “SiPM-Based Readout of LaBr3 Scintillators: Development and Characterization of State-of-the-Art Spectroscopy Detectors”
Davide Di Vita, *Politecnico di Milano – 2023 Awardee*
- 16:30 Conclusions and Farewell



Dr. Nicolò Cartiglia is Director of Research at INFN, Istituto Nazionale di Fisica Nucleare, Torino, Italy. He is an experimental high-energy physicist. He obtained his PhD from the University of California, worked at Columbia University as a post-doc, and then joined INFN. His field of research is detector design, construction, and commissioning. He has been a member of several large collaborations in Europe and the US. Throughout his career, he has complemented his work on detector innovation with a strong involvement in physics analyses. In the past 10 years, he has focused his efforts on developing innovative silicon detectors, specifically for tracking particles in space and time, the so-called 4D tracking. He has been the PI of many important projects, including an ERC advanced grant and an Italian PRIN grant.



Carlo Cazzaniga received the Ph.D. in physics from the University of Milano Bicocca Italy in 2014. He is an expert of neutron irradiation experiments, fast neutron spectroscopy, detectors and instrumentation. He is working at the ISIS spallation neutron source of the Rutherford Appleton Laboratory (UK), where he is responsible for ChiPlr, an atmospheric-like neutron beam for the irradiation of microelectronics. He is working to expand the irradiation capabilities at the ISIS neutron and muon source, developing in recent years a facility with mono-energetic neutron fields.