

IEEE Magnetics Society – Italy Chapter

Annual Meeting

December 17th, 2019, Bari, Italy

Politecnico di Bari, h.9

PROGRAM

- h. 9:00 WELCOME AND INTRODUCTION
Mario Carpentieri, Politecnico di Bari
Vito Puliafito, University of Messina
- h. 9:15 **Ermanno Cardelli**, University of Perugia, *invited*
Modelling of magnetic materials for industrial and information engineering: state of the art and open questions
- h. 9:40 **Eduardo Martinez**, University of Salamanca, Spain, *invited*
Current-driven dynamics of chiral walls along ferromagnetic and ferrimagnetic tracks
- h. 10:05 **Luis Sanchez-Tejerina**, Politecnico di Bari
General description of ferro-, ferri-, and antiferromagnetic materials
- h. 10:20 **Caterina Ciminelli**, Politecnico di Bari
Optoelectronic miniaturized systems for nave band chirped waveform generation in Ka-band
- h. 10:35 COFFEE BREAK
- h. 11:05 **Andrei Slavin**, Oakland University, USA, *invited*
Theory of generation of picosecond pulses in a current-driven antiferromagnetic auto-oscillator
- h. 11:30 **Ansar Safin**, National Research University MPEI, Moscow, Russia, *invited*
Electrically tunable detector of THz-frequency signals based on an antiferromagnet. Theory and Simulation
- h. 11:55 **Claudio Maria Lamacchia**, Politecnico di Bari
Antennas for emission and detection of THz pulses
- h. 12:10 AWARD CEREMONY AND TALK OF
2019 IEEE MAGNETICS SOCIETY ITALY CHAPTER YOUNG RESEARCHER AWARD
- to be defined -
- h. 12:30 ROUND TABLE
Fundamental and applicative challenges in magnetism