

Award Ceremony @ IEEE RTSI 2019

11 September 2019

La Loggia Restaurant- Piazzale Michelangelo 1 - Firenze

1) **Honorary Award 2019** – Roberto Padovani

Purpose: this Award is assigned to candidates that have provided exceptional contribution to the science and technology state-of-the-art or outstanding service to humanity in the IEEE's designated fields of interest.

This prestigious award was assigned to Roberto Padovani for pioneering innovations in mobile packet-switched Internet access, central to third- and fourth-generation cellular networks.

2) **Distinguished Service Awards 2019**– Silvano Donati, Vincenzo Piuri

Purpose: This award is for exceptional contributions and service for the benefit and advancement of the IEEE Italy Section. The level of service will often include serving the Section in several capacities or in position of significant responsibility.

3) **Industrial Distinguished Lecturer Awards 2019** – Bruno Cova (CESI), Antonio Manzalini (TIM S.p.A.)

Purpose: With this award IEEE Italy Section promotes the diffusion of cutting-edge knowledge with emphasis on industrial challenges and perspective, for the benefit of its members. At the same time, the speakers and their employing companies are given the opportunity to make a strong impact on IEEE Italian community. Ultimately, this award aims to strengthen the ties between IEEE members and industry leaders.

Description: Distinguished lecturer travel to various locations in Italy to give from a minimum of three to a maximum of six lectures per year. They shall be invited by Chapter, AG or SB Chairs who will organize lectures at their Universities/Research Centers but also at Conferences, workshops and other technical events organized by IEEE Italy Section.

Bruno Cova

Lecture title: Key role of power systems in decarbonizing human activities: how to ensure security and reliability

Antonio Manzalini

Lecture title: Future Internet: a bridge from Artificial Intelligence to Quantum Intelligence

4) Chapter Awards 2019

Purpose: The purpose of this award is to recognize the outstanding performance of Italian Chapters in serving their members and the technical community and establishing goodwill within the Italy Section.

Best Chapter Award 2019 – Sensor Council Italy Chapter chaired by Emiliano Schena for outstanding performance in serving its members and technical community

Most Innovative Chapter Award 2019 – Photonics Italy Chapter Chaired by Silvia Maria Pietralunga

Most Improved Chapter Award 2019 – GRS Central North Italy Chapter Chaired by Frank Marzano

Most Increased Membership Chapter Award 2019 - Magnetics Italy Chapter chaired by Bruno Azzerboni

5) Student Branch Awards 2019

Purpose: Student branches are crucial to the growth and development of IEEE Student members. They create a local network of students and give students the opportunity to meet and learn from fellow students, as well as faculty members and professionals in the field.

The purpose of this award is to provide public recognition of exemplary IEEE Student Branch operations.

Exemplary Student Branch Award 2019 – Politecnico di Torino - chaired by Leonardo Iannucci

Most Improved SB Award 2019 – Sapienza University of Roma - chaired by Luigi Calcara

6) IEEE Italy Section Master and PhD Thesis Award on New Challenges for Energy and Industry

This award is sponsored by ABB and Italy Section together with the Women In Engineering Italy Section Affinity Group. The competition, at its second edition, rewards the best master and PhD thesis on new technological challenges for energy and industry with particular attention to digital technology applications.

This year we had 81 candidates, with 35 master thesis (10 women) and 46 PhD thesis (8 women). 21 Italian Universities are represented with thesis on a wide variety of topics: microgrid and smart grid, renewable energy sources, robotics, cyber security and more.

The award was born to strengthen the cooperation with industry and increase the

programs of reciprocal interest. After the big success of the first edition IEEE Italy Section and ABB decided to propose a second edition of this important initiative. The excellent results of 2019 edition both for number and quality of candidates motivates us to go forward in this direction.

The winners of 2019 IEEE Italy Section-ABB awards are:

Master Thesis Prize:

Daniele Ramirez & Mattia Tabaglio (Politecnico di Milano): **“Design of an Active Gravity Compensation System for Upper Limb Exoskeletons”**

Marina Petrelli (Politecnico di Milano): **“Robust optimization for the unit commitment of isolated RES-based microgrid in developing countries”** – special WIE award

PhD Thesis Prize:

Davide Fioriti (Università di Pisa): **“Mini-grids to foster rural electrification in developing countries. Optimal planning, design and operation”**

Jane Frances Pajo (Università di Genova): **“Enabling Scalable and Sustainable Softwarized 5G Environments”** – special WIE award

7) IEEE PES Italy Scholarship Award 2019

The IEEE PES Scholarship Plus Initiative provides to students enrolled in the last year of the Master degree (Laurea Magistrale) an internship within a major player of the energy and power industry to develop their Master thesis.

Purpose:

The student Scholarship Program has the following objectives:

- To attract the best talent and meritorious students to the electrical engineering stream;
- To give adequate opportunities to the selected students to do their internship in the core engineering companies;
- To give required exposure to the selected students by giving opportunities to participate in seminars, workshops and conferences organized by the IEEE.
- To provide to the most important companies of the power and energy field a privileged channel to skilled and brilliant students in a perspective of future job cooperation.

The awards of 2019 are three and are financially sponsored by Schneider Electric, Terna and IEEE Power and Energy Society.

Leandro Parla (University of Catania)
Giuseppe Penniello (Politecnico di Milano)
Amirabbas Mehrfashan (Politecnico di Milano)

8) **Best PhD Thesis Award of the Computer Society Italy Chapter**

Purpose: to recognize distinguished work by young researchers in the field of Computational Intelligence through presentation of an Award for the best PhD Thesis defended in an Italian University in 2018.

Stefano Cresci (IIT- CNR-Pisa)