



# Zucker Award 2015 Programs

**T**he IEEE Industry Applications Society (IAS) supports students and young professionals in different ways. One of the most prestigious programs is the popular Zucker Awards: the

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Myron Zucker Student Travel Award and the Myron Zucker Undergraduate Student Design Contest. The funding is made possible by the generosity of Myron Zucker, a longtime former member and friend of the IAS with a special concern for the education of young engineers. Both programs are managed by the IAS Chapters and Membership Department (CMD).

Myron Zucker Student Travel Awards are available to undergraduate and graduate students to help defray the cost of traveling to and attending the IAS Annual Meeting. The travel award covers an allowance limited to US\$300 for travel and visa expenses for Region 1–7 and US\$800 for Region 8–10 attendees, five nights of accommodations in a shared room in the conference

## MYRON ZUCKER STUDENT TRAVEL AWARD 2015 RECIPIENTS

The following are the recipients of the Myron Zucker Student Travel Award 2015:

- Roozbeh Kabiri, graduate student member, RMIT University, Melbourne, Australia
- Md Mizanur Rahman, graduate student member, Lakehead University, Thunder Bay, Canada
- Taqwa Saeed, graduate student member, Frederick University, Nicosia, Cyprus
- Miguel Angel Ortiz Padilla, graduate student member, Universidad de los Andes, Bogotá, Colombia
- Gonzalo Esteban Constante Flores, young professional member, Escuela Politécnica Nacional, Quito, Ecuador
- Peter Kallo, graduate student member, Budapest University of Technology and Economics, Hungary
- Prerna Soni, undergraduate student member, Bharati Vidyapeeth's College of Engineering, New Delhi, India
- Mangal Hemant Dhend, young professional member, Savitribai Phule Pune University, India
- Saad Atta Rind, undergraduate student member, University College of Engineering and Technology Bahawalpur, Bahawalpur, Pakistan
- Aymen Tmar, undergraduate student member, University of Sfax, Tunisia
- Yu-Wei Liu, graduate student member, University of Texas at Arlington, United States
- Mustafa Farhadi, graduate student member, Florida International University, Miami, United States.



Roozbeh Kabiri



Md Mizanur Rahman



Taqwa Saeed



Miguel Angel Ortiz Padilla



Gonzalo Esteban Constante Flores



Peter Kallo



Prerna Soni



Mangal Hemant Dhend



Saad Atta Rind



Aymen Tmar



Yu-Wei Liu



Mustafa Farhadi

hotel, and early-bird conference registration. "Myron Zucker Student Travel Award 2015 Recipients" lists the travel award recipients who are scheduled to attend the 2015 IAS Annual Meeting in Addison, Texas.

The scope of the Myron Zucker Undergraduate Student Design Contest is to recognize the accomplishments of students and the students' associated electrical engineering department. Due to the wide variety of programs leading to a bachelor's degree in electrical engineering, the contest has recently been expanded to include two categories: 1) individual thesis or design project and 2) team thesis or

design project. Three prizes will be granted in both categories. The eligibility criteria are: 1) at least one student involved in the design project or thesis must be an IEEE Member, 2) the design project or thesis must fall within the scope of the IEEE IAS, and 3) the students must have received academic credit for the project work.

Each prize consists of cash honoraria and travel aid. The cash honoraria for each category is as follows:

- **First prize:** US\$800 for students and an IEEE IAS certificate and US\$500 for the student's academic department and an IEEE IAS certificate.

- **Second prize:** US\$600 for students and an IEEE IAS certificate and US\$400 for the student's academic department and an IEEE IAS certificate.

- **Third prize:** US\$400 for students and an IEEE IAS certificate and US\$300 for the student's academic department and an IEEE IAS certificate.

In addition to the cash honorarium, the IAS reimburses actual travel expenses not to exceed US\$2,000 per award for the award winners to attend the IAS Annual Meeting. The award winners have the opportunity to present their papers at the Student Technical and/or

### THE WINNERS OF THE MYRON ZUCKER UNDERGRADUATE STUDENT DESIGN CONTEST 2015: INDIVIDUAL CATEGORY

#### First Prize

- Solar Panels with Hydrogen Accumulators and Fuel Cell  
Winner: Waled Mohamed  
Supervisor: Prof. Chiara Boccaletti  
Sapienza University of Rome, Italy.

#### Second Prize

- Design and Implementation of a Simulation Tool for the Reconfigurable Smart Grid  
Winner: Zoubeir Zarrouk  
Supervisor: Syrine Ben Meskina  
National Institute of Applied Science and Technology, Tunis, Tunisia
- IASpass  
Winner: Aristotelis Farmakis  
Supervisor: Dr. Ioannis N. Athanasiadis  
Democritus University of Thrace, Xanthi, Greece.

#### Third Prize

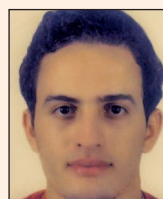
- Contactless Electric Vehicle Charging System Using Inductive Charging  
Winner: Sumit Chhabria  
Supervisor: T. Phani Swecha  
Pandit Deendayal Petroleum University, Gandhinagar, Gujarat, India
- Development and Implementation of a Custom Solid-State Relay Board for System Control of the Formula-Type Car from the Team Formula SAE UCV  
Winner: Miguel Angel Gómez De Franco  
Supervisor: Servando Alvarez  
Central University of Venezuela, Caracas, Venezuela.



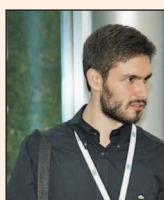
Waled Mohamed



Prof. Chiara Boccaletti



Zoubeir Zarrouk



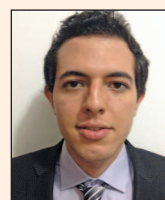
Aristotelis Farmakis



Dr. Ioannis N. Athanasiadis



Sumit Chhabria



Miguel Angel Gómez De Franco

Poster Session. The IAS has also granted a free one-year IAS membership to each award winner.

For more information about the winning projects, teams, and individuals, please see “The Winners of

the Myron Zucker Undergraduate Student Design Contest 2015: Individual Category” and “The Winners of the Myron Zucker Undergraduate Student Design Contest 2015: Team Category.”

The Zucker programs will be available next year. Interested members may get preliminary information from the CMD website: <http://ias.ieee.org/chapter-promotion-programs-awards-and-contests.html>.

## THE WINNERS OF THE MYRON ZUCKER UNDERGRADUATE STUDENT DESIGN CONTEST 2015: TEAM CATEGORY

### First Prize

- Design of a Savonius Wind Turbine  
Winners: Emmanouil Bafounis-Kottas, Emmanouil Psomas, and Antonios Simadopoulos  
Supervisor: Assistant Prof. Pantelis N. Botsaris  
Democritus University of Thrace, Xanthi, Greece.

### Second Prize

- Design an Electronic Apiary Unit  
Winners: Kaitlyn R. Latourelle, Nicole M. Latourelle, and Dylan E. Radcliffe  
Supervisors: Dr. Mohamed Khabou and Dr. Muhammad H. Rashid  
University of West Florida, Pensacola, United States
- Energy Demand Impact Due to Mass Use of Electrical Vehicles and Future Demand Side Management Strategies  
Winners: Carlos D. Rojas and William F. Villamil  
Supervisor: Ms. C. Sandra Téllez

Universidad Nacional de Colombia, Bogotá.

### Third Prize

- Design-Build of a Hydroelectric Generator Airgap Measurement System  
Winners: Brad Coleman, Blaine Daugherty, Navdeep Gill, Salima Khairzanova, Tyler Schwebius, Mohammad Moshirpour, and Bushra Muharram  
Supervisors: Ron Zieber and Norm Bartley  
University of Calgary, Alberta, Canada
- Design of Elevator Control System Using PLC  
Winners: Dharendra Raghuvanshi, Gaurav Singh, and Rama Mohanty  
Supervisor: Nitin Prajapati  
Pandit Deendayal Petroleum University, Gandhinagar, Gujarat, India.



Emmanouil Bafounis-Kottas



Emmanouil Psomas



Antonios Simadopoulos



Assistant Prof. Pantelis N. Botsaris



From left: Dylan Radcliffe, Nicole Latourelle, and Kaitlyn Latourelle.



Dr. Mohamed Khabou



The Universidad Nacional de Colombia group.



The Calgary team.



Gaurav Singh's team.



Nitin Prajapati