**IEEE NJ/PA PELS/IAS Joint Chapter**

**Princeton-Philly Power Electronics Advancement Consortium (PPPEAC)**

***Inaugural Meeting****, September 2019 Meeting Minutes*

Maeder Hall, Princeton University, NJ, USA

September 6st, 2019

**Introduction**

Right after a short welcome reception, Dr. Grant Pitel, in the role of PPPEAC Chairman, called the meeting to order at 6:15 PM. He emphasized that this was the inaugural meeting of the IEEE NJ/PA PELS/IAS Joint Chapter, and highlighted the growing power electronics research and development efforts in local Philadelphia and New Jersey areas. Since it was the first chapter meeting, Dr. Pitel also introduced the founding members. This joint chapter, named Princeton-Philly Power Electronics Advancement Consortium (PPPEAC), was newly founded to consolidate local power electronics programs in these two areas and the founding members include Dr. Grant Pitel from Magna Power Inc. (chairman), Dr. Xiaonan Lu from Temple University (secretary), and Dr. Minjie Chen (treasurer) from Princeton University.

As the new business in this joint chapter introduced by Dr. Grant Pitel, a member group at Meetup.com was established to facilitate the interactions among chapter members and the dissemination of chapter messages and announcements. Up to the meeting date, in terms of the total number of chapter members, PPPEAC had 266 people involved in the email list or online group. Miles Wright was appointed as the webmaster.

There are long-term activities planned in PPPEAC. Most importantly, PPPEAC will host speakers from both academia and industry to introduce cutting-edge power electronics technologies. Meanwhile, it will have access and host IEEE Distinguish Lectures with travel support from IEEE. In addition to invited speakers, field trips will also be planned and arranged given the rich resources in Philadelphia and New Jersey areas.

In terms of joint chapter management, PPPEAC is also actively seeking a Vice Chair from the local community. Meanwhile, the chapter meeting will rotate between NJ and PA. As essentially a volunteer group, PPPEAC is also seeking active volunteers to contribute to the development of PPPEAC.

**Invited Talks**

After introducing the newly founded joint chapter, Dr. Grant Pitel introduced that twelve speakers from academia or industry were invited to introduce their work in the inaugural meeting. Particularly, the speakers and their presentations are briefly summarized below:

**Speaker:** Princeton Univ., Minjie Chen, Assistant Professor

**Title:** Introduction of Princeton Power Electronics Research Lab

**Speaker:** Magna-Power Electronics Inc., Ira Pitel, Founder of Magna-Power

**Title:** Introduction of Magna-Power

**Speaker:** Temple Univ., Xiaonan Lu, Assistant Professor

**Title:** Introduction of Electric Energy Group at Temple University

**Speaker:** United SiC Inc., Pete Losee, Manager Device Technology

**Title:** Company Overview of United SiC

**Speaker:** Lehigh Univ., Wenxin Liu, Associate Professor

**Title:** Control of Power Electronics Systems

**Speaker:** NWL Inc., Vishram Deshpande, Director of Power Supply Development

**Title:** Magnetics & Power Supplies for Demanding Industrial & Military Applications

**Speaker:** Drexel Univ., Fei Lu, Assistant Professor

**Title:** Power Electronics and Electric Energy Systems

**Speaker:** Alencon Systems LLC, Hanan Fishman, President

**Title:** Introduction of Alencon Systems

**Speaker:** Penn State Univ, Arash Khoshkbar-Sadigh, Assistant Professor

**Title:** Introduction of Power and Energy System Group

**Speaker:** Siemens Corporation, Xiaofan Wu, Research Scientist

**Title:** Siemens Corporate Technology – Princeton Island Group

**Speaker:** Momentum Dynamics, Ben Cohen, VP Engineering

**Title:** Introduction of Momentum Dynamics

**Speaker:** CogniPower, Thomas Lawson, Founder and President

**Title:** CogniPower Technology for More Efficient Switched-Mode Power Conversion

**Speaker:** EnerSys, Jianwu Cao, Senior Power Electronics Engineer

**Title:** Enersys Overview

**Adjourn**

The participants took a group picture and the meeting was adjourned at 8:30 PM.

Grant Pitel, Chair

Xiaonan Lu, Secretary

Minjie Chen, Treasurer

**Members in Attendance**

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| Arash Khoshkbar-Sadigh | Ashraf Lotfi | Ben Cohen |
| Dongsen Sun | Francis O’Connell | Hanan Fishman |
| Jaeil Baek | John Tsinetakes | John Wolgemuth |
| Kaitlyn Sitch | Manuel C Blanco | Liang Du |
| Peter Losee | Prahalad | Shivshankaran |
| Tom Lawson | Vladimir Grinshpun | Yenan Chen |
| Youssef Elasser | Yuxi Men | Zach Dereli |
| Ping Wang | Ira Pitel | Ed Polkow |
| Fred Kelly | Vincent Liu | Barry Rand |
| Chia Hao Li | Haoran Li | Daniel Zhou |
| Lizhi Ding | Minjie Chen | Xiaonan Lu  |
| Wenxin Liu | Vishram Deshpande | Fei Lu |
| Xiaofan Wu | Grant Pitel | Gaylord O. |
| Waldemar B.  | Siddharth B. | Jianwu Cao |
| Nishant | Amit | Perry S. |
| David S. | Rob W. | Valay P. |
| Miles Wright | Pavel M. | Jim M. |