

The 2019 National Electrical Engineering PHD Student Forum was successfully held in Zhejiang University

June,28th,2019 National EE PhD Student Forum was held successfully in Zhejiang University. This forum ,which hosted by Zhejiang University and undertaken by EE college of Zhejiang University, has accepted 98 articles on related topics. PhD student from 37 Chinese Universities attended the meeting. There are many activities,including special guest academic seminar, PhD student academic seminar and expert reviews.It had fully show Chinese EE PhD students' achievements in scientific research and provide an equal, convenient, 0 distance exchange platform.



June 28th,Opening ceremony of 2019 National EE PhD Student Forum held in Yuquan campus, Zhejiang University. Yan Jianhua, vice President of Zhejiang University, gave a welcome speech at the opening ceremony. He said that coinciding with the establishment of the electrical engineering discipline for a hundred years, we holds the National EE PhD Student Forum to provide high-level and high-level academic exchange platforms for relevant PhD students, to broaden academic ideas, to stimulate theoretical innovation, and to improve academic and innovative capabilities.

The dean of the EE college, Zhejiang University, began with the glorious history of the electrical engineering college that has gone through nearly a hundred years. He briefly introduced the situation of the college and the characteristics and outstanding achievements of postgraduate training and sincerely hoped the participants can enjoy the knowledge in a good academic discussion atmosphere, communicate and the share knowledge, improve their academic and innovative capabilities.



Zhou Xiaoxin, an academican of the Chinese Academy of Sciences and honorary dean of the China Electric Power Research Institute, explained the development trend of the power system in the theme report. He believes that the green development and digital revolution are the two driving forces driving the transformation of the power system development model since the new century. The high-energy renewable energy, high-power electronic equipment, multi-energy complementary integrated energy, and intelligent integration of information physics are four main technical characteristics of the new generation of power systems. Deep integration with information and communication technologies, transformation of traditional power systems with Internet thinking, and construction of energy Internet are key steps in building a new generation of power systems. The wide-scale application brought by advances of energy storage technology and rapidly reduced costs gives brought operational guarantees for a new generation of power systems that achieve a high proportion of renewable energy supply and consumption.



Feng Changgen, former vice president of the China Association for Science and Technology and former vice president of Beijing Institute of Technology, presented the doctoral students with the *Ph.D. essay*, a book written by him. He told the students it is necessary to deepen the understanding of science and technology from the dimension of time in scientific research; it is necessary to go to the frontiers and difficulties of science and technology, the needs of the economy and society, and the daily life of a well-off society to find a subject beneficial for human beings; it is necessary to fully consider fairness, strive to publish papers, cultivate abstract thinking, attach importance to dialogue and accumulation, avoid irregularities in scientific research, and make yourself a participant in cutting-edge topics and a leading talent in science and technology.



On the afternoon of June 28th , 180 doctoral students from 31 colleges and universities across the country gathered at the Shao Yifu Science Museum in Yuquan Campus. The prelude to the report of the branch was officially opened.

The forum covers seven major themes including electrical theory and new technology, electrical and electronic equipment, power electronics and electric drive, power system and automation, electrical engineering +X, high voltage and insulation, intelligent science and technology, and the form carried out 12 reports in branch meetings. During this period, 92 doctoral students from all over the country gave an academic presentation. In the warm atmosphere, everyone had extensive and in-depth discussions on academic frontiers and practical engineering issues.



On the afternoon of June 28th, the core communication meeting of the famous professional colleges and universities in China, led by the Youth League Committee of Zhejiang University School of Electrical Engineering, was held in Room A110 of Yongqian Student Activity Center of Yuquan Campus of Zhejiang University.



Representatives from seven universities including Zhejiang University, Tsinghua University,

Shanghai Jiaotong University, Xi'an Jiaotong University, Huazhong University of Science and Technology, North China Electric Power University, and Chongqing University represented the university's electrical professional group organizations. The structural system, work content, organizational system, featured activities, and work experience in their own organizations were demonstrated.

After the demonstration, the core graduates actively discussed the issues of organization, innovation, internal construction, academic guidance, rights and services, new media propaganda, and school student organization linkage. Finally, the graduate representatives of the seven universities jointly signed *The Memorandum of Cooperation on the Alliance of Electrical Professionals in China's Famous Universities*. Alliance members will also bear in mind the purpose of "serving students and working together", and are committed to strengthening the exchanges and interactions between the electrical professional organizations in China's famous universities, building a normalized cooperation mechanism, and constantly improving the inter-organizational cohesion, execution and influence, helping the development of the power industry and personnel training, and contributing to the power of our young generation to realize the Chinese dream of the great rejuvenation of the Chinese nation!



In the end, Tsinghua University's Li Jiarong's "*Electric-to-hydrogen/thermal system in the active distribution network and regional heating network operation optimization*", Zhejiang University Changyi's "*master row integrated silicon carbide converter module packaging technology*" and other 13 articles were selected as excellent papers for the 2019 National Electrical Engineering PhD student Forum. We would like to extend our heartfelt congratulations to the winners! We hope that all the PhD students who are attending can continue to explore the sparks of thoughts in the forum, continuously improve their academic level and innovation ability, and grow up to be able to take root in China and aim at the international academic frontier, with both professional skills and noble patriotism.



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