Students in the Class of 2021 Impact Intelligent Maintenance

October 21st, 2019

ZJUI computer engineering students Du Yankui, Huang Jayuan, and Tao Shuting in the ZJUI Class of 2021 presented their work on “Knowledge Graph Construction and Reasoning for Intelligent Maintenance of Power Plants,” at the International Conference on e-Business Engineering (ICEBE). Their paper was selected for the IEEE International Conference on Data Engineering and Communication Technologies. The paper was prepared during summer 2019, and Prof. Wang Hongwei advised the team. The paper was selected for the International Conference on Data Engineering (ICEBE). Their paper was also published in “Advances in E-business Engineering for Ubiquitous Computing” in the Springer-Verlag Lecture Notes on Data Engineering (ICEBE). The conference was held at Fudan University in October.

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It was exciting to meet the new student cohort early in September at the Zhejiang University/University of Illinois at Urbana-Champaign Institute (ZJUI) welcome ceremony at the International Campus Auditorium. This group of 189 new freshmen and 18 new doctoral students began their life on the International Campus.

Prof. Li Erping, Dean of ZJUI, Prof. Philippe Krein, Executive Dean, Prof. Ma Hao, Associate Dean, and ZJUI faculty and staff organized and participated in the event. Representatives from the ZJUI International campus and UIUC campus also participated. New ZJUI undergraduate students, newdoctoral candidates, parents, family members, and other guests, about 400 people in total participated in the ceremony.

Prof. He Lianzhen, introduced the international campus to the participants, and delivered a message to freshmen on behalf of ZJUI. She encouraged new students to put knowledge to work, to open their minds to new experiences, and to focus on the future. She encouraged the freshmen to persist in seeking truth and to serve the world.

Philippe Geubelle, Executive Associate Dean in the Grainger College of Engineering at the University of Illinois introduced Illinois to the audience. He gave perspectives about education, research, alumni, and impact.

Dean Li Erping introduced the institute’s cross-disciplinary education innovations, and urged the students to pursue a set of core intellectual capabilities: developing character, pursuing rich positive experiences, and self-definition. He stressed that, in addition to having a strong grasp of specialized knowledge, students are also expected to have a broad vision, and a comprehensive understanding of knowledge across other fields. He affirmed that everyone can learn critical thinking, seek innovation and aglobal view, participate in independent life-long learning, gain strengths in communication and teamwork, develop leadership skills, and support positive development of the nation.

Many of the new freshmen showcased their skills in a talent show. The performances included a Cucurbit flute (a traditional Chinese instrument), classical dance, poetry recitation, singing, and multiple bands. The show was well received by the audience. The ceremonies included a “parent thanks” segment, a moving tribute with students and parents on stage.

Jiang Han, the freshman representative, explained his thoughts as he enters the university. He wants to make new friends and socialize. He is determined to seize opportunities, study diligently, overcome difficulties, and forge ahead. He says, "I will stay connected with my professors, learn from my peers, and help others."

Professor Wei-Liat Ong gave a talk as a faculty representative. He shared some of his experiences as a ZJUI student, and expressed his hope that sharing his experiences will help freshmen adapt to life in college more quickly.

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A three-day Workshop on the Electromagnetic Compatibility of Integrated Circuits was launched in the Multimedia Hall on the International Campus (IC) of Zhejiang University (ZJU) in October. The conference was being held for the first time since its inception in 1999. More than 180 experts and scholars from home and overseas attended the conference.

Etienne Sicard, a founding scientist of Electromagnetic Compatibility of Integrated Circuits (IC EMC) Research and Standards and professor at the University of Toulouse, France, presented "Technology Trends and Electromagnetic Compatibility of Integrated Circuits" as the keynote talk. He gave an overview of EMC research challenges for the attendees.

Parallel sessions during the conference focused on the main theme and key subtopics. The activities included seminars, oral reports, and poster presentations.

International renowned scholars from all over the world shared their research activities and achievements. They networked on the latest developments in the field of electromagnetic compatibility.

There were 184 registered participants in the conference, 51 of whom were from overseas. The conference received 136 submissions, including 91 articles from China and 45 from overseas. Among these, 120 articles were accepted. The workshop highlighted plans for the development and technical cooperation of electronic and electrical engineering disciplines at ZJUI.

— ZJUI sophomore student, Wang Chen (computer engineering), Su Yipeng (computer engineering), Li Haoran (electrical engineering), and Shen Yueqi (civil engineering), won third prize in the student paper competition at the Cross-strait Workshop on Monitoring and Control in Civil Engineering in August. Their paper "Modal identification of bridge structures based on fast Bayesian FFT method" was the only undergraduate contribution to the conference. They competed against nearly 100 graduate students. Wang Chen received the highest score in his presentation session and part of scoring for the overall award.

This essay originated from the ZJUI summer lab internship program. ZJUI helps arrange summer lab and corporate internship opportunities for students each year. Wang Chen joined the team of Professor Li Binbin during the freshman summer vacation interval in ZJUI. He spent the three-month lab internship with the professor, and the topic of his thesis was "Electrical field analysis and structure optimization for high-speed railways".
Chairman of IBM Greater China Group presents seminar to ZJUI students
October 29th, 2019

Writer: Chang Long
Photo: Zhou Lejun

Innovation is a key motivator at ZJUI, and the institute seeks many ways to excite students about the innovation process and develop a creative spirit. In October, the institute invited the Chairman of the IBM Greater China Group, Mr. Chen Liming, to give a seminar. He presented "Build to last: the power of innovation and transformation" to nearly 200 students in the engineering orientation class.

From his own experience and the history of IBM's establishment, innovation and transformation, Mr. Chen talked about the importance of innovation and change, and introduced the importance of artificial intelligence to the students. Mr. Chen pointed out to students that "different professions have similar principles," and that "leadership is about 'lead the change.'" He stressed that the leadership he stands for is the ability to drive change. He emphasized that the most important things to keep endeavors evergreen are transformation and reconstruction. He reported that transformation and self-reinvention are 'part of IBM's DNA.'

Mr. Chen discussed the development prospects of artificial intelligence and the technical principles of artificial intelligence. He pointed out that artificial intelligence is improving rapidly. There have been intelligent robots which can hold debates with humans. Artificial intelligence promises to reconstruct health care, agriculture, and other industries. He emphasized that the development of artificial intelligence at IBM will adhere to technical principles of trust and transparency.

The engineering orientation course at ZJUI is a multidisciplinary course for freshmen. Senior scholars and industry leaders from China and abroad have presented a wide range of seminars to students. The course also includes team-based student design projects.