The first meeting of the IEEE Shanghai Section Industrial Electronics Society (IES) Chapter was held on the Minhang campus of Shanghai Jiao Tong University on 22 October 2017. The ten participants were all faculty members from various local universities, including Shanghai Jiao Tong University, ShanghaiTech University, and Shanghai University, China. They are working in the relevant areas of the IES including control and optimization, power electronics and electric drives, and power systems. An election was held to vote for the Shanghai Chapter’s chair (Prof. Chengbin Ma, Shanghai Jiao Tong University), vice chair (Prof. Miao Zhu, Shanghai Jiao Tong University), secretary (Prof. Wenbin Dai, Shanghai Jiao Tong University), and treasurer (Prof. Fei Wang, Shanghai University).

After the meeting, the participants took a laboratory tour of the State Energy Smart Grid Research and Development (R&D) Center (Shanghai, China) and Dynamic System Control Laboratory of the University of Michigan–Shanghai Jiao Tong University Joint Institute, where research facilities in the fields of renewable energy utilization, large-scale energy-storage management, electricity transmission and distribution, power systems planning and operation, wireless power transfer, and so on can be accessed. The meeting and the following visits promoted the mutual understanding among the members of the new Shanghai Chapter.

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(continued on page 56)
14) “Model Predictive Control of a Modular Multilevel Converter.”
Part V: Summary
15) “Summary and Conclusion.”

Each chapter is supplemented with an adequate well-selected list of recent references at the end. This is a well-written and richly illustrated text achieving a balance between mathematical rigor and physical insight. Compared to a similar book [1], the material is more advanced and up to date with well-selected case studies and examples.

The author has industrial and academic experience and is currently a senior principal scientist at ABB’s Corporate Research Center, Baden, Switzerland, and an extraordinary professor at Stellenbosch University, South Africa. He teaches a regular course on model predictive control at Eidgenössische Technische Hochschule, Zurich, and serves as an associate editor for IEEE Transactions on Power Electronics.

Readers should have a basic knowledge of power electronics and electrical machines as well as some familiarity with control and signal processing. I strongly recommend the book for graduate students studying power electronics and control as well as robotics and mechatronics. Also, practicing engineers and researchers will benefit from a concise and comprehensive treatment of MPC for industrial power electronics, enabling them to understand, implement, and advance the field of high-performance MPC schemes. Material included in Parts I and II can also be useful for undergraduate courses. The companion website (www.wiley.com/go/geyermodelpredictivecontrol) with video animations augments the book and is worth checking out.

—Marian P. Kazmierkowski
Warsaw University of Technology, Poland

Reference

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and opened up opportunities for future resource sharing and collaborations.

The participants proposed that the next meeting of the IES Shanghai Chapter be held at ShanghaiTech University, a new research university located in the Zhangjiang Hi-Tech Park in Pudong, Shanghai. Prof. Haoyu Wang, Prof. Junrui Liang, and Prof. Yu Liu from ShanghaiTech will host the meeting. Focused technical seminars will be given by the Chapter members together with the promotion of IES student membership.

Representatives from local industry will also be invited to discuss and explore how the IES Shanghai Chapter could involve and impact the rapidly growing economy and innovation in Shanghai.

—Chengbin Ma
Chair, IEEE Shanghai Section IES Chapter