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22 – 25 April 2018**



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Detailed Program

Sunday, Apr. 22

17:00-18:00

Registration (Outside Wanbin Hall, B1)

18:00-20:00

Reception (2F, Du Xiao Yue Restaurant)

Address: No.58, Sec. 3, Fuxing Rd., Yilan City, Taiwan

Bus departing in front of Administrative Building at 17:50 to Du Xiao Yue Restaurant and return after reception.

Monday, Apr. 23

08:30-09:00

Opening Ceremony (Wanbin Hall, B1)

09:00-10:00

K01: Keynote Speaker

Comprehensive Building Energy Saving and Technology Overview

Prof. Jih-Sheng (Jason) Lai (Virginia Polytechnic Institute and State University, USA)

Room: **Wanbin Hall, B1**

Chair: Huang-Jen Chiu (Taiwan Tech, Taiwan)

10:00-10:30

Break (Outside Wanbin Hall, B1)

10:30-11:30

K02: Keynote Speaker

Maritime Micro-grid Technologies for Greener Seas

Prof. Josep M. Guerrero (Aalborg University, Denmark)

Room: **Wanbin Hall, B1**

Chair: Huang-Jen Chiu (Taiwan Tech, Taiwan)

11:30-12:30

K03: Keynote Speaker

Energy and Smart Grid Development Perspective of Taiwan

Prof. Faa-Jeng Lin (National Central University, Taiwan)

Room: Wanbin Hall, B1

Chair: Rong-Jong Wai (Taiwan Tech, Taiwan)

12:30-13:30

Lunch

14:00-15:00

Career development and IEEE activities for young professionals

Prof. Wei-Jen Lee (The University of Texas at Arlington, USA)

Room: R103, 1F

Chair: Huang-Jen Chiu (Taiwan Tech, Taiwan)

13:30-15:00

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Room: R104, 1F

Chair: Prof. Hong Tian (Xiamen University of Technology, China)

Co-Chair: Ji Zhang (Xiamen University of Technology, China)

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Shaigen Han^{1*}, Shilei Guan¹, Yan Wu¹, Zhixin Bo¹, Yan Ding¹, Ji Zhang²

¹ China Electric Power Research Institute, Beijing 100192, China

² Xiamen University of Technology, Xiamen 361024, China

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Shanghai University of Electric Power, China

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University of Malaya, Malaysia

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UNIST, Korea

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Room: R103, 1F

Chair: Huang-Jen Chiu (Taiwan Tech, Taiwan)

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Room: R104, 1F

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¹Hubei Collaborative Innovation Center for Microgrid of New Energy, China

²China Gezhouba Power Corporation Ltd.

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Brno University of Technology, Czech Republic

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Pavel Seda¹, Jiri Hosek^{1,2}, Pavel Masek^{1,2}, Jiri Pokorny¹

¹Brno University of Technology, Czech Republic

²Peoples' Friendship University of Russia, Russian Federation

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National Taiwan University of Science and Technology, Taiwan

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Prof. Prof. Bart M. ter Haar Romeny (Eindhoven University of Technology, Netherlands)

Room: [Wanbin Hall, B1](#)

Chair: Ding-Bing Lin (Taiwan Tech, Taiwan)

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Prof. Qiang Chen (Tohoku University, Japan)

Room: [Wanbin Hall, B1](#)

Chair: Ding-Bing Lin (Taiwan Tech, Taiwan)

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Cascading Failures in Power Systems: A Network Perspective

Prof. Michael C. K. Tse (Hong Kong Polytechnic University, Hong Kong)

Room: [Wanbin Hall, B1](#)

Chair: Huang-Jen Chiu (Taiwan Tech, Taiwan)

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Room: R103, 1F

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National Tsing Hua University, Taiwan

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Chih-Wen Lu¹, Ping-Yeh Yin², Pei-Yi Lai Lee¹

¹National Tsing Hua University, Taiwan, ²National Chip Implementation Center, Taiwan

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Chih-Wen Lu¹, Yen-Chung Huang², Tian-Heng Lai¹, Chin Hsia³

¹National Tsing Hua University, Taiwan, ²National Chi Nan University, Taiwan, ³National Central University, Taiwan

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Chih-Wen Lu, Ching-Min Hsiao, Xing-Wei Huang

National Tsing Hua University, Taiwan

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Jian-Shou Chen¹, Chih-Wen Lu¹, Ping-Yeh Yin¹, You-An Chou¹ and Chin Hsia^{1,2}

¹National Tsing Hua University, Taiwan, ²National Central University of Technology, Taiwan

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¹Fuzhou University, China
²Technical University of Denmark, Denmark

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¹Fuzhou University, China, ²Wuhan University of Technology, China, ³University of Texas at Dallas, USA

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¹National Taiwan University of Science and Technology, Taiwan, ²Universitas Pertamina, Indonesia

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¹CTU in Prague, Czech Republic, ²IMA s.r.o., Czech Republic

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National Taiwan University of Science and Technology, Taiwan

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¹Singapore University of Social Sciences

²National Taiwan University of Science and Technology, Taiwan

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National Taiwan University of Science and Technology, Taiwan

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(Universitas Indonesia, Indonesia)

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Ruki Harwahyu¹, Che-Yuan Chiang², and Ray-Guang Cheng²

¹Universitas Indonesia, Indonesia, ²National Taiwan University of Science and Technology, Taiwan

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National Taiwan University of Science and Technology, Taiwan

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Banquet (6F, Ballroom II, Silk Place Silks Place Yilan) – Ticket required

Address: No. 36, Minquan Rd., Sec. 2, Yilan City, Taiwan

*Buses will depart at the front of Administrative Building at 17:30 and return to the venue, Grand Boss Hotel and Hua Ge Hot Spring Hotel after banquet concludes.

Wednesday, Apr. 25

09:00-10:30

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Chair: Kasper Jørgensen (Technical University of Denmark, Denmark)

Power Electronics Technology

Room: R104, 1F

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National Taiwan University of Science and Technology, Taiwan

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¹National Taiwan University, Taiwan

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¹National Taiwan University of Science and Technology, Taiwan

²National Sun Yat-Sen University, Taiwan

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¹National Taiwan University of Science and Technology, Taiwan

²National Sun-Yat Sen University, Taiwan

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*Buses will depart in front of Administrative Building at 10:40 and return to the venue, Grand Boss Hotel and Hua Ge Hot Spring Hotel afterward.

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¹State Grid Hunan Electric Power Corporation Research Institute, China
²Hunan Xiangdian Test and Research Institute Company Limited, China

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Yung-Hui Chung and Che-Wei Chang
National Taiwan University of Science and Technology, Taiwan

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¹Huaiyin Institute of Technology, China

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¹Institute for Information Industry, Taiwan

²Fu Jen Catholic University, Taiwan

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Sheng-Hsiang Tseng¹ and Wei-Tsang Teng¹ and Chin-Ya Huang²

¹National Central University, Taiwan

²National Taiwan University of Science and Technology, Taiwan

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National Taiwan University of Science and Technology, Taiwan

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Weiqing TAO¹, Cheng FANG², Shengqing LU³, Qingsong LIU², Rui LIN¹

¹Hefei University of Technology, China

²State Grid Shanghai Municipal Electric Power Company, China

³State Grid Ma'anshan Power Supply Company, China

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Chin-Hsien Wu, Ting-Wei Wang

National Taiwan University of Science and Technology, Taiwan

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National Taiwan University of Science and Technology, Taiwan

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Ling-Chi Wang, Yu-Min Liu, and San-Liang Lee

National Taiwan University of Science and Technology, Taiwan

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Shih-Hao Lai, Hou-An Su, Tsung-Han Lee, Ling-Hsiu Hung, and San-Liang Lee

National Taiwan University of Science and Technology, Taiwan

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National Taiwan University of Science and Technology, Taiwan

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Kai-Jun Pai¹, Lin-De Qin², Sheng-Yi Tang³

¹Ming Chi University of Technology, Taiwan

²Tungnan University, Taiwan

³National Formosa University, Taiwan