



## International Electric Vehicle Technology Conference and Exhibition

**7 June 2018  
(08.30 - 17.00)**

**&**

**8 June 2018  
(08.30 - 12.10)**

**BITEC, Bangkok**

**ITEC Asia-Pacific**

**Technical Session**

Date	Time	Room		
		MR211	MR212	MR213
7 June 2018	08.30 - 09.00	Registration		
	09.00 - 10.20	Session 7A1	Session 7B1	Session 7C1
	10.20 - 10.50	Coffee Break (Foyers)		
	10.50 - 12.10	Session 7A2	Session 7B2	Session 7C2
	12.10 - 13.30	Lunch on Your Own		
	13.30 - 14.50	Session 7A3	Session 7B3	Session 7C3
	14.50 - 15.20	Coffee Break (Foyers)		
	15.20 - 16.40	Session 7A4	Session 7B4	Session 7C4
8 June 2018	08.30 - 09.00	Registration		
	9.00 - 10.20	Session 8A1*		
	10.20 - 10.50	Coffee Break (Foyers)		
	10.50 - 12.10	Session 8A2	Session 8B2	

<All papers are oral presentation>

\* Special session, organized by Prof. Huang-Jen Chiu,

National Taiwan University of Science and Technology



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### ITEC Asia-Pacific Technical Session Schedule 8 June 2018 (08.30 - 12.10)

**Session 8A1:** Special session  
**Time:** 9.00 - 10.20  
**Session Chair:** Huang-Jen Chiu, National Taiwan University of Science and Technology, Taiwan  
**Venue:** MR 211

<b>8A1 - 1</b>	<b>Rotating Speed Detection Method for Auto-Start Application of Automotive Alternator</b> Chia-Sung YU, Ching-Jan CHEN <i>ACTRON Technology Corporation, National Taiwan University, Taiwan</i>
<b>8A1 - 2</b>	<b>Study and Implementation on Start-Up Control of Full-Bridge LLC Resonant Converter</b> Yao-Ching Hsieh, You-Chun Huang, Yi-Cheng Lin, Huang-Jen Chiu, Jing-Yuan Lin <i>National Sun Yat-Sen University, National Taiwan University of Science and Technology, Taiwan</i>
<b>8A1 - 3</b>	<b>Bidirectional Three-Phase LLC Resonant Converter</b> Arief Noor Rahman, Cheng Yen Lee, Huang Jen Chiu, Yao Ching Hsieh <i>National Taiwan University of Science and Technology, National Sun Yat-Sen University, Taiwan</i>



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### ITEC Asia-Pacific Technical Session Schedule 8 June 2018 (08.30 - 12.10)

**Session 8A2:** Track 4 Battery, Battery Management Systems, Chargers and Charging Infrastructures,  
Track 10 Modeling, Simulation, and Control  
**Time:** 10.50 - 12.10  
**Session Chair:** Chowarit Mitsantisuk, Kasetsart University, Thailand  
**Venue:** MR 211

8A2 - 1	<b>Comparison of Soft-Starting Methods for In-motion Charging of Electric Vehicles to Suppress Start-up Current Overshoot in Wireless Power Transfer System</b> Katsuhiro Hata, Takehiro Imura, Hiroshi Fujimoto, Yoichi Hori <i>The University of Tokyo, Japan</i>
8A2 - 2	<b>Effective Tire Force Vector Control and Maximization Method for Independent-Four-Wheel-Drive Electric Vehicle</b> Hiroyuki fuse, Hiroshi Fujimoto <i>The University of Tokyo, Japan</i>
8A2 - 3	<b>An Active Fast Equalizer for Series-Connected Batteries with Adaptive Balancing Current Control</b> Shun Chung Wang, Yi Hua Liu <i>Lung-Hwa University of Science and Technology, National Taiwan University of Science and Technology, Taiwan</i>



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### ITEC Asia-Pacific Technical Session Schedule 8 June 2018 (08.30 - 12.10)

**Session 8B2:** Track 1 Power Electronics and Electric Motor Drives,  
Track 3 Thermal Management, Packaging, and Optimization of Traction Drive  
Systems

**Time:** 10.50 - 12.10

**Session Chair:** Achara Pichetjamroen, Kasetsart University, Thailand

**Venue:** MR 212

<b>8B2 - 1</b>	<b>Maximum Power Point Estimation of a PV Array by Using Improve Bisection Method</b> Himanshu Sekhar Sahu, Shashank Kumar Pandit, Sisir Kumar Nayak <i>Indian Institute of Technology Madras, Indian Institute of Technology Guwahati, India</i>
<b>8B2 - 2</b>	<b>Soft-switching Characteristics Analysis Based on LLC Resonant Converter</b> Binqi Li, Xiangjun Zhang, Dibin Zhou, Yijie Wang, Dianguo Xu <i>Harbin Institute of Technology, China</i>
<b>8B2 - 3</b>	<b>An Inverse-Sinusoidal PWM Technique to Improve Thermal Performance of IGBT Module</b> Nithiphat Teerakawanich, Krit Yodpradit, Achara Pichetjamroen <i>Kasetsart University, Thailand</i>