* **2022 9th International Conference on**

**Power Electronics Systems and Applications**

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| **Time** | **September 20th** | **Time** | **September 21th** | **Time** | **September 22th** |
| **9:00am~****11:00am** | **Tutorial I****Non-isolated Multiport DC/DC Converters: Applications, Challenges and Solutions****Prof. Dylan Lu and** **Dr Hamzeh Aljarajreh****Session Chair: HW Liang****Meeting Link:** [**Tutorial I**](https://polyu.zoom.us/j/96911700820?pwd=dkhyOFltVVRBL29rclRZckdTaUN0Zz09) | **9:00am~****9:05am** | **Opening Ceremony****Welcome Speech by Prof Ka-wai Eric Cheng, General Chair of PESA 2022****Meeting Link:** [**Opening**](https://polyu.zoom.us/j/93157807516?pwd=MzUwWnpwM2NCUlFFTXJpU3pBVENkUT09) | **9:00am~****10:00am** | **Keynote Speech V****Dynamic Wireless Power Transfer System for Electric Vehicles - Development and Challenges.****Prof. Jianfei Pan** **Session Chair: Z Xu****Meeting Link:** [**KEYNOTE V**](https://polyu.zoom.us/j/92904261042?pwd=d0FNUUtrdXVVUUR0U1RkV2F3SUMwUT09) |
| **9:05am~****10:05am** | **Keynote Speech I****Wireless Motors – A New Breed of Power Electronics Drives** **Prof. K. T. Chau****Session Chair: KW Chan****Meeting Link:** [**KEYNOTE I**](https://polyu.zoom.us/j/93157807516?pwd=MzUwWnpwM2NCUlFFTXJpU3pBVENkUT09) |
| **10:05am~11:05am** | **Keynote Speech II****Control and Optimization of Wind Turbine Clusters** **Prof. Hua Geng****Session Chair: KW Chan****Meeting Link:** [**KEYNOTE II**](https://polyu.zoom.us/j/93157807516?pwd=MzUwWnpwM2NCUlFFTXJpU3pBVENkUT09) | **10:00am~****11:00am** | **Keynote Speech VI****Self-organized wireless power transfer network for group electronics devices application****Prof. Xin Dai** **Session Chair: Z Xu****Meeting Link:** [**KEYNOTE VI**](https://polyu.zoom.us/j/93754150462?pwd=SlNIWGk4dnJQYktBRURES3RlL1c4dz09) |
| **11:00am~1:00pm** | **Tutorial II****Autonomous Control for Coordination of Distributed Source Converters and Microgrid** **Prof. Jinjun Liu****Session Chair: HW Liang****Meeting Link:** [**Tutorial II**](https://polyu.zoom.us/j/96911700820?pwd=dkhyOFltVVRBL29rclRZckdTaUN0Zz09) | **11:05am~11:15am** | **Break**  | **11:00am~****11:15am** | **Break**  |
| **11:15am~1:00pm** | **Session I -A: Future Vehicle &** **Electric Mobility** **Session Chair: CK Lee and KK Lee****Meeting Link:** [**Session I-A**](https://polyu.zoom.us/j/95179265194?pwd=WWVOcjNkU2pLSHQzVDQvZ2RQTlFwdz09)**Session I -B: Control strategy of Wireless Power Transfer system** **Session Chair: SX Niu****Meeting Link:** [**Session I-B**](https://polyu.zoom.us/j/99486949585?pwd=TUpvd1M3bUNlUlpRNmgwaEZpUHplZz09)**Session I -C:Design or control of energy storage** **Session Chair: KW Chen****Meeting Link:** [**Session I-C**](https://polyu.zoom.us/j/97158887206?pwd=djd5VWtmalBaM1Z1VUJYbzMrcDZoZz09) | **11:15am~****1:00pm** | **Session III-A: Design or analyze of electric elements/system** **Session Chair: SQ Bu****Meeting Link:** [**Session III-A**](https://polyu.zoom.us/j/96121006032?pwd=SHYrNmcybjFPK2E2aThFelJLeUEwQT09)**Session III-B: Signal and power transfer in energy transfer system** **Session Chair: I Kocar****Meeting Link:** [**Session III-B**](https://polyu.zoom.us/j/96794906145?pwd=SnVzcFdTS0pOSTIxeG9YVjQ5andBUT09)**Session III-C:** **Future Power Transfer & Electric Power Evaluation System** **Session Chair: WC Lo****Meeting Link:** [**Session III-C**](https://polyu.zoom.us/j/98526928104?pwd=UG9MMXhCRURPNXcxb3A3WFJXM0hSZz09) |
| **1:00pm~****2:00pm** |  **Lunch**  | **1:00pm~****2:00pm** |  **Lunch**  | **1:00pm~****2:00pm** |  **Lunch**  |
| **2:00pm~3:00pm** | **Tutorial III****Some Control Aspects of Single-Phase Power Converters with an Active Pulsating Power Buffer****Dr. Huawei Yuan****Session Chair: X Yuan****Meeting Link:** [**Tutorial III**](https://polyu.zoom.us/j/4106377449) | **Tutorial V****Parallel-Connected Silicon Carbide MOSFETs – Essence, Challenges, and Solutions****Prof. Shuang Zhao and Prof. Helong Li****(I Kocar)****Meeting Link:** [**Tutorial V**](https://polyu.zoom.us/j/95488124233?pwd=U2R4cmNBSC9uK0pSOHZaclM2WVV1QT09) | **2:00pm~****3:00pm** | **Keynote Speech III****Hydrogen fuel cell electric vehicles: State of Art and outlooks** **Prof. Fei Gao****Session Chair: I Kocar****Meeting Link:** [**KEYNOTE3**](https://polyu.zoom.us/j/98817837094?pwd=a0E1L084dVAzbkp4S0tkME1XU0l2dz09) | **2:00pm~****3:00pm** | **Keynote Speech VII****Power Electronics in Modern Power systems** **Prof. Zhe Chen****Session Chair: SQ Bu****Meeting Link:** [**KEYNOTE7**](https://polyu.zoom.us/j/95262924170?pwd=MlBzdnlsUEJUSUFjSHdJQzRGaVIyUT09) |
| **3:00pm~****4:00pm** | **Tutorial IV****Review and New Developments of Adaptive Tunning Technologies for Wireless Power Transfer****Dr. Wenzheng Xu****Session Chair: X Yuan****Meeting Link:** [**Tutorial IV**](https://polyu.zoom.us/j/4106377449) | **3:00pm~****4:00pm** | **Keynote Speech IV****Enhancing Wind Energy Harvesting by Industrial Data Intelligence** **Prof. Qinmin Yang****Session Chair: I Kocar****Meeting Link:** [**KEYNOTE4**](https://polyu.zoom.us/j/98817837094?pwd=a0E1L084dVAzbkp4S0tkME1XU0l2dz09) | **3:00pm~****4:00pm** | **Session IV-A: Emerging technologies in Power Electronics I** **Session Chair: MH Wang****Meeting Link:** [**Session IV-A**](https://polyu.zoom.us/j/4843349463)**Session IV-B: Emerging technologies in Power Electronics II****Session Chair: X Yuan****Meeting Link:** [**Session IV-B**](https://polyu.zoom.us/j/4106377449)**Session IV-C: Emerging technologies in Power Electronics II** **Session Chair: HF Ho****Meeting Link:** [**Session IV-C**](https://polyu.zoom.us/j/91653592662?pwd=THdtUXFvOGJPdGd2SHNLNUdtU2dEZz09) |
| **4:00pm~****5:00pm** | **Tutorial VI****Advanced Wireless Power Conversion Technologies: Topology, Modulation, and Control****Dr. Kerui Li and Dr. Qu Jialong****Session Chair: X Yuan****Meeting Link:** [**Tutorial VI**](https://polyu.zoom.us/j/4106377449) | **Tutorial VII****Active Electromagnetic Interference (EMI) Filter for Conducted Noise Reduction****Dr. Danting XU****Session Chair: I Kocar****Meeting Link:** [**Tutorial VII**](https://polyu.zoom.us/j/95488124233?pwd=U2R4cmNBSC9uK0pSOHZaclM2WVV1QT09) | **4:00pm~****4:15pm** | **Break**  | **4:00pm~****4:10pm** | **Break**  |
| **5:00pm~****6:00pm** | **Tutorial VIII****The Investigation of Wireless Power Transmission Applications in Power Grid****Dr. Shaonan Chen****Session Chair: X Yuan** | **Tutorial IX****Direct Power Control: Theories and Applications****Dr. Shuo Yan****Session Chair: I Kocar****Meeting Link:** [**Tutorial IX**](https://polyu.zoom.us/j/95488124233?pwd=U2R4cmNBSC9uK0pSOHZaclM2WVV1QT09) | **4:15pm~****6:00pm** | **Session II-A: Design and Control of New Motors** **Session Chair: SX Niu****Meeting Link:** [**Session II-A**](https://polyu.zoom.us/j/96997476161?pwd=TnhuRHlZYzJlRk52ME56SE5qUUsyUT09)**Session II-B: Fault Tolerance and Correction in Wireless Power Transfer Session Chair: XL Wang****Meeting Link:** [**Session II-B**](https://polyu.zoom.us/j/92435433890?pwd=Z2t6MG9wbTk2eGdhWEZ1WCsrRkFZdz09)**Session II-C: Technologies in Wireless Power Transfer system** **Session Chair: JF Pan****Meeting Link:** [**Session II-C**](https://polyu.zoom.us/j/98221900993?pwd=YmVsRzRPcUpQWmdkbnc5WUhYcUtUZz09) | **4:10pm~****5:55pm** | **Session V-A: Distributed Generation & New Energy Source** **Session Chair: Y Yang****Meeting Link:** [**Session V-A**](https://polyu.zoom.us/j/99543093445?pwd=aTgxY2swNXpsOTZLbFg3WFlXQTN4QT09)**Session V-B: Technologies in Power Electronics (Converter/Inverter)** **Session Chair: SQ Bu****Meeting Link:** [**Session V-B**](https://polyu.zoom.us/j/98081129299?pwd=QlBBdlZKZ1J3RmpEQWZsNG50aklHQT09)**Session V-C: Control strategy of power grid** **Session Chair: U Karaagac****Meeting Link:** [**Session V-C**](https://polyu.zoom.us/j/97115883734?pwd=YkF1SmJsS095TzNvZnV4MXVkS0dvdz09) |
| **5:55pm~****6:05pm** | [**Competition Award Ceremony**](https://polyu.zoom.us/j/99175138058?pwd=SndHbllMVENpdHpyTGRlMnlTaTFEQT09)**Session Chair: Professor Eric** |