* **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** |