

BiO: Laili Wang is a Professor in Electrical Engineering School of Xi'an Jiaotong University, His research focuses on Packaging of Wide-Band-Gap Devices and System Integration. He is chair of IEEE PELS and CPSS Xi'an joint chapter, co-chair of system integration in ITRW, an associate editor of several Power Electronics journals including IEEE Transactions on Power Electronics. He initiated the first IEEE Wide-Band-Gap Power Devices and Applications in Asia in 2018 with himself as the Technical Program Chair.

Title: Packaging and Integration of Wide-Band-Gap Devices and Their Applications in Power Equipment

**Abstract:** Compared with silicon devices, Wide-Band-Gap power devices have the advantages of high switching speed, high operating temperature, low conduction loss, thus could improve the power density and efficiency of power electronics converters significantly. However, the potential of Wide-Band-Gap power devices have not been fully explored for the limitation of packaging, this presentation will introduce the modeling, new packaging and integration technology and the applications in detail.