

Srabanti Chowdhury (George and Ida Mary Hoover faculty fellow) is an associate professor of Electrical Engineering (EE) at Stanford. Her research focuses on wideband gap (WBG) materials and device engineering for energy efficient and compact system architecture for power electronics, and RF applications. Besides Gallium Nitride, her group is exploring Diamond for various electronic applications. She received her B.Tech in India in Radiophysics and Electronics (Univ. of Calcutta) and her M.S and PhD in Electrical Engineering from University of California, Santa Barbara. She received the DARPA Young Faculty Award, NSF CAREER and AFOSR Young Investigator Program (YIP) in 2015. In 2016 she received the Young Scientist award at the International Symposium on Compound Semiconductors (ISCS). Among her various synergistic activities, she serves as the member of two committees under IEEE Electron Device Society (Compound Semiconductor Devices & Circuits Committee Members and Power Devices and ICs Committee). She has served the IEEE International Electron Devices Meeting (IEDM) technical sub committee on Power Devices & Compound Semiconductor and High-Speed Devices (PC) sub-committee in 2016 and 2017. She was the PC subcommittee chair for IEDM-2018 and continues to serve the IEDM executive committee for 2019. She is a senior member of IEEE and an invitee by the NAE to the 2019 symposium on Frontiers of Engineering. Her work has produced over 75 journal papers, 100 conference presentations, and 20 issued patents.