Deji Akinwande is an Endowed Faculty Fellow and Associate Professor at the University of Texas at Austin. He received the PhD degree from Stanford University in 2009.

Prof. Akinwande has been honored with the 2018 Fulbright Specialist Award, 2017 Bessel-Humboldt Research Award, the U.S Presidential PECASE award, the inaugural Gordon Moore Inventor Fellow award, the inaugural IEEE Nano Geim and Novoselov Graphene Prize, the IEEE “Early Career Award” in Nanotechnology, the NSF CAREER award, several DoD Young Investigator awards, and was a past recipient of fellowships from the Kilby/TI, Ford Foundation, Alfred P. Sloan Foundation, 3M, and Stanford DARE Initiative. His research achievements have been featured by Nature news, Time magazine, BBC, Discover magazine, and many media outlets.

He serves as an Editor for the IEEE Electron Device Letters and Nature NPJ 2D Materials and Applications. He Chairs the 2019 Device Research Conference (DRC), and the Nano-device committee of the 2018 IEEE IEDM Conference He is a Fellow of the American Physical Society (APS).

Adventures with 2D Materials:
From Transistors, Atomristors, Tattoos and Beyond

This talk will present our latest research adventures on 2D nanomaterials towards greater scientific understanding and advanced engineering applications. In particular the talk will highlight our work on flexible electronics, zero-power devices, monolayer memory (atomristors), non-volatile RF switches, wearable tattoo sensors, straintronics, and new topological semiconductor transistor concepts. Finally, recent commercial electronic products employing graphene and related materials will be featured. Much of this research achievements have been published in nature, IEEE and ACS journals, and widely covered by the news media including Time magazine, BBC, Nature news, IEEE spectrum, and several dozen media outlets.

References: