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Graphene for Smart Life Applications

Graphene is considered the most revolutionary, world-changing material since plastic. With the emergence of smart mobile devices (MD), electric vehicles (EV), grid and distributed energy (G&DE) the world is moving rapidly toward a more connected and more sustainable place. All these advances can benefit from the advantage of graphene, a wonderful material with property of best thermal conductivity, electrical conductivity, strength, lighter, and thinner, etc.

Graphene is not just for high-tech applications, but for the simple devices we use every day like our light bulbs, cloth, shoes, heating pad and sealed bag for durian, etc. This talk will share experience of how graphene could play a role in the more mundane technologies of our lives, like day to day living. Some related technology such as graphene coating, graphene film, graphene composites will be discussed.

Biography

Dr. Huang is the Chairman/CEO of AzTrong, a provider of graphene-based nano-composite products and solutions and an expert in Graphene and graphene commercialization in thermal management, Li-Ion battery & supercapacitor, graphene composites and other commercial / industrial applications. He began his career at IBM Watson Research, had 20+ years working at IBM, was a Vice President and played a key role to help IBM successfully transform into a global service company. While at IBM, he was in charge of e-commerce implementation, intellectual capital and asset Management, solution offerings, etc. He is an experienced business transformation and innovation advisor / entrepreneur.

He is also the Chairman of an IoT application solution company focusing on energy, fintech and healthcare industries and senior advisor to Ditthavong & Steiner, P.C., a leading US patent law firm. He is also an experienced entrepreneur in Silicon Valley, Singapore and Taiwan as well as a VC investor. Dr. Huang has won several awards including: IBM Corporate Excellence Award, Gold Medal of Giga Information Award, NASA LAUNCH Award – 2011 which awarded to Top 10 Energy Innovators by US Department of State, NASA, USAID and NIKE. He received BS from National Taiwan Normal University, MS University of Illinois at Urbana-Champaign, and Ph.D. in EECS from MIT.

