

FS Seminar on GenAI: Opportunities and Challenges

Speaker: Dr Dennis Ong

Biography

Dr Dennis Ong is a Technology Executive known for his work in the field of AI and cloud transformation. He currently holds a position at Amazon Web Services (AWS), where he is responsible for enabling business and technology innovation for Fortune 100 companies. His focus within AWS is on AI and cloud transformation, which involves helping organizations leverage cutting-edge AI technology to create exciting new applications and use cases.

Dr Ong is also involved in the academic and research community. He serves as a Technical and Business Advisor at the University of Pennsylvania PRECISE Research Center's Industry Advisory Board. This center specializes in GenAI research, which involves exploring trustworthy AI for various applications.

Prior to his role at AWS, Dr Ong led research teams at Verizon that focused on 5G and AI. Under his leadership, these teams developed innovative AI applications and achieved a significant milestone by demonstrating the world's first 5G/AI autonomous vehicle in collaboration with Honda Research Institute and the University of Michigan. This accomplishment represents the convergence of two cutting-edge technologies—5G and AI—in the field of autonomous vehicles.

Dr Ong is also recognized as a world-renowned speaker who has delivered talks at TEDx events on topics related to technology transformation. He has spoken on subjects such as "Transforming IoT with Machine Learning" and "Securing the World with Blockchain," emphasizing the role of emerging technologies like AI and blockchain in reshaping industries and securing digital ecosystems. Additionally, Dr Ong is a frequent presenter at conferences worldwide, covering a range of topics including 5G, AI, autonomous vehicles, IoT, and blockchain.

In recognition of his contributions to the field, Dr Ong has been granted numerous patents related to 5G and AI technologies. His work reflects a commitment to pushing the boundaries of technology and advancing innovations that have the potential to transform industries and improve people's lives.

Dr Ong's academic background includes earning an MBA with honors from The Booth School of Business at The University of Chicago. He also holds a PhD in Electrical and Computer Engineering, which he obtained from The Ohio State University, where he was honored as a University Fellow. His academic involvement extends to serving as an adjunct faculty member at the Department of Computer Science and Engineering at The Ohio State University.