

Biography

Ms. S.Y. Sheen is the Director of Advanced Material Handling Systems (AMHS) at TSMC's Intelligent Manufacturing Center. She joined TSMC in 1994 and has gained extensive experience in semiconductor production management, having worked in the manufacturing units of Fab 3, Fab 7, and Fab 10 before moving to the Intelligent Manufacturing Center.



During her tenure as Director of AMHS, Ms. Sheen led her team to successfully implement automated material handling systems that support advanced volume production from 40nm to 3nm. She expanded automation technologies to facilities and materials management, achieving fully automated production. Additionally, she pioneered the world's first automated packaging transportation system, enhancing the efficiency of advanced packaging production in TSMC.

Beyond optimizing production processes at TSMC headquarters, Ms. Sheen replicated and promoted her successful experience to the Company's overseas sites. She was responsible for establishing the 8-inch wafer fab (Fab 10) in Shanghai, China, and implementing automated material handling systems at Fab 16 in Nanjing, China, Japan Advanced Semiconductor Manufacturing (JASM) in Kumamoto, Japan, and TSMC Arizona in the United States.

Ms. Sheen's outstanding contributions have earned her the 2012 National Industrial Innovation Elite Award (Women's group) and the Chinese Management Association's Mr. Lu Feng-Zhang Memorial Award. She is also the Deputy Chair of Women@tsmc, a TSMC employee resource group assisting more female colleagues in realizing their career potential. Ms. Sheen holds a bachelor's in industrial engineering from Chung Yuan Christian University.