



Rajinder Sandhu

*Director, Manufacturing Science and Technology
Northrop Grumman Mission Systems*

Rajinder Sandhu is the director of the Manufacturing Science and Technology operating unit under Northrop Grumman's Microelectronics Center. Sandhu is responsible for leading the strategy, capture, and execution of multiple programs in the center, which include several key pursuits under the CHIPS ACT. He has 27 years of experience in advanced semiconductor materials characterization, strain engineering, device fabrication, packaging, program capture, execution focused on developing next generation compound semiconductor materials and device technologies.

Prior to his current position, Sandhu was the advanced programs lead for the Strategic Space Systems Chief Technologist Office where he led internal and external customer engagements for the office's microelectronics, resiliency and advanced materials efforts. Prior to that assignment Sandhu was the Division Technology Council Advanced Packaging Lead where he identified technology gaps and needs to establish advanced packaging technology strategy roadmaps. Before that, he was the common products advanced manufacturing lead, overseeing the microelectronics fabrication, substrate labs and electronics & assembly manufacturing activities. He is also a visiting lecturer on graduate courses in microelectronic thin films, material science and engineering and new semiconductor materials at the University of California, Los Angeles.

Sandhu received his bachelor's, master's and doctorate degrees in materials science and engineering from UCLA. Additionally, Sandhu has been an author or co-author for more than 50 papers in technical journals and conference proceedings. Sandhu is the recipient of six patent awards and five trade secret awards.