

Dr. Shahid Habib
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Dr. Habib is currently the Chief of Office of Applied Sciences in the Earth Sciences Division at NASA Goddard Space Flight Center. He is responsible for transitioning science research results and products to operational end users for societal benefits. He has extensive experience both in sciences and space missions.

He has managed several Earth Science missions and is very experienced in space mission development and implementation. He led two joint US-Russia NASA Earth Science missions i.e., SAGE and TOMS dealing with ozone and aerosol measurements. He also was a program manager for several other Earth Science missions such as EO-1, Aura, and SAC-C. In 2002, he served as the acting Deputy Director of the Earth Science research Division at NASA Headquarters. He was involved in the development of the long-term research strategy, climate variable measurement requirements and future space mission's definition.

His specific expertise include: remote sensing methods, instruments and measurement techniques, mission development and management, nonlinear dynamics and modeling, systems engineering and integration. In his earlier career with NASA, he served on the Space Station design team in the area of test and verification for the astronaut habitation systems.

Currently, he is involved with many projects dealing with the water balance studies in the Middle East North Africa region, flood forecasting in East Africa, Himalayan glacier melt impact on stream flow, and Gulf of Mexico hypoxia impact using NASA's remote sensing data products and models. Dr. Habib has authored many papers and given presentations on utilization of NASA research products for solving societal issues.

Dr. Habib has won numerous individual and group achievement NASA awards. Specifically, he was awarded NASA's Exceptional Achievement Medal, and Outstanding Leadership Medal for his contributions to NASA. He was also awarded Yuri Gagarin Medal of Honor for his joint NASA and Federal Space Agency of Russia collaboration. Dr. Habib holds a doctorate from George Washington University in Electrical Engineering with emphases in nonlinear control systems and is also a registered professional engineer.