

Edge Ringing Artifact Suppression for Enhanced Resolution (ERASER)

Ron Fairbanks

*Electro-Optical Technical Director and Deputy Director of Product Chain Analysis
Integrity Applications Incorporated*

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Auditorium of the Center for Imaging Science

Biography:

Dr. Ron Fairbanks is the Electro-Optical Technical Director and Deputy Director of Product Chain Analysis at Integrity Applications Incorporated headquartered in Chantilly, VA. A retired US Air Force Lieutenant Colonel, Dr. Fairbanks earned his PhD at Rochester Institute of Technology's Center for Imaging Science in 1999, completing his dissertation on characterizing the impact of clouds on remotely sensed water quality. He created the HydroMod prediction code in the process. Dr. Fairbanks earned a Master of Science degree in Electrical Engineering in 1988 specializing in electromagnetics and low observable technology and spent several years working at the radar frequency end of the spectrum. He has over 25 years of experience managing development, integration, and testing of advanced imaging hardware and software for radar and electro-optical remote sensing systems. For his work advancing imaging technology for the National Reconnaissance Office and NASA's James Webb Space Telescope, the National Space Club selected Dr. Fairbanks for the Astronautical Engineer of the Year Award in 2004.

Dr. Fairbanks is Co-op and Intern Program Coordinator for IAI. He will host pizza and soft drinks following the presentation to meet students and discuss faculty interaction.