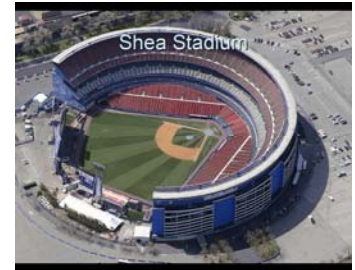The IEEE Geoscience and Remote Sensing Society Western New York Chapter and the American Society for Photogrammetry and Remote Sensing Central New York Region

Present a technical seminar

Pictometry International Corp.

Stephen Schultz
Chief Technology Officer
Pictometry International Corp.

Tuesday, March 11, 2008
Pictometry International, 100 Town Centre Dr, Suite A, Rochester, NY, 14623
(off of Calkins Rd, just east of West Henrietta in the town of Henrietta)
Pizza and soda provided at 5:30 pm
Meeting and Presentation at 6 pm

Abstract
Pictometry's oblique metric image capture and processing system can produce over one-million images a day and has captured 70% of the populated United States in the past two years. Many unique technical challenges had to be overcome to achieve these numbers and still more lie ahead. This talk will discuss some of the major hurdles solved, both hardware and software, and some that are still being solved. Specific topics discussed will include camera and lens design, demosaic algorithms, and specular reflection color balancing issues.

Speaker Biography
Stephen L. Schultz, Chief Technical Officer and co-founder of Pictometry International, provided the original concept and design of the company's software (Electronic Field Study), image capture, and processing technologies. He oversees and is responsible for all the technological output of Pictometry.

Formerly working at the Chester F. Carlson Center for Imaging Science at RIT, Mr. Schultz has worked in imaging science since 1984, and has been designing and engineering software systems since 1978. His specialties include direct geo-registration, remote sensing, synthetic image generation, frequency domain processing, irradiance calculations, and automated flight planning.

Mr. Schultz earned a Bachelor of Science in Computer Software Science from RIT, and later completed his coursework for a Master of Science in Computational Imaging Science. In 2007, RIT honored Mr. Schultz by naming him the Distinguished Alumnus for the B. Thomas Golisano College of Computing and Information Sciences.