

SCSPE Lunch Presentation Title:

“Using 3D Laser Scanning for Project Planning and to Document As-Built Configurations”

Abstract Summary:

Some environments present a challenge to obtain and accurately document existing layouts and as-built configurations to be used in planning modifications or developing accurate drawings. Limited access to areas due to environmental or limited schedules may prevent revisiting for data gathering opportunities.

In many cases involving older buildings, accurate drawings of existing structures are not available for design planning. Industrial environments present many challenges to gathering accurate data to document existing configurations.

3D Laser scanning provides an accurate and efficient solution. 3D point clouds are developed which can be dissected to develop floor plans, elevation drawings, and 3D models.