



ROBERT R. FRANZESE **GRAPHICS TECHNOLOGIST**

rrfranzese@engsys.com

Mr. Franzese has been a Graphics Technologist at ESI's Aurora, Illinois office for 25 years where he has produced trial exhibits and used his skills in photography, videography, Faro laser scanning, and 3D CAD modeling for superior forensic documentation and presentation.

During those 25 years, he has refined his skills at photography, video and editing. He has conducted numerous workshops and classroom training sessions for ESI's technical staff and engineers in forensic photography and proper lighting techniques. Topics include night-time still photography, time lapse, HDR, and panorama.

Aviation flight testing is one of the many disciplines ESI is involved with. Multiple video cameras are required to record and document these flight tests. Mr. Franzese is highly qualified in this field.

3D CAD modeling has become extremely useful in demonstrating both operation and failure modes of a design or manufactured part. Mr. Franzese has successfully completed college level courses in AutoCAD and Solidworks parametric software. During that time, he has become very effective with the use of 3D CAD modeling used in trial as demonstrative exhibits. 3D models can then be used in animation or FEA software for further illustration or analysis.

Prior to working at ESI, Mr. Franzese successfully operated a photography and video business specializing in commercial, portraiture, and skydiving photography - bringing over 30 years of photography experience to ESI. College level classes that were taken during those years proved to expand his skills. His skydiving photos have been published locally and in Europe. In 1986, Time-Life magazine illustrated his photo showing a record 120-way sky dive. USPA magazine ran his photos on a regular basis.

Prior to that, Mr. Franzese was employed as an auto mechanic servicing both American and foreign vehicles. During that time, he became a fully Certified ASE mechanic. He now uses this ability and mechanical understanding to also assist ESI in its automotive department.

ESI currently has four Faro 3D laser scanners in their offices throughout the country. Mr. Franzese uses this equipment regularly to document/preserve incidents such as a snowmobile accident including terrain profile, semi versus car collision, post-crash vehicle comparison, building collapse due to soil erosion, and many others.

Areas of Specialization

Advanced forensic photography
Multicam video used in documenting flight testing
Trial-ready video editing
Photoshop digital imaging editing
Solidworks 3D CAD, AutoCAD 3D
Nikon VR 360 panoramic photography
Faro 3D laser scanning

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