

Spatial Technologies, LLC

Staff Biographies

Spatial Technologies is a full service Geographic Information Systems data collection, software development and training firm. Our knowledge of GIS system requirements and training capabilities are sought by commercial and government customers alike. Spatial Technologies is a Service Disabled Veteran and Woman-owned company with extensive military experience.

We provide comprehensive civil engineering GIS support to corporate, state, local, and federal agencies. Many of our staff have been involved with the IGI&S program since its inception and is dedicated to making it a success. Also, our software development and expert/custom GIS product training augments our capabilities for effectively managing geographic information to enhance product output and user efficiency.



Sean Robert Sullivan

Areas of Expertise:

Data Processing and conversion between platforms

Projections and transformations

Database Development

Data storage and website management

GPS Data Capture and integration

Time and cost accounting

Project management and tracking

Software and Technical Capabilities:

Operating Systems: Unix, Windows

Vista/NT/XP/2000/98, Windows Server 2000/03

Databases: Oracle, Oracle Spatial, MS-SQL, IBM DB2, Access, Geodatabases, Smallworld

ESRI: ArcGIS 8/9.x, ArcInfo 7.x, ArcGIS Server, ArcIMS, ArcSDE, Map Objects

AutoDesk: AutoCAD, MapGuide

Other: Intergraph GeoMedia, MapInfo, ERDAS, Microstation, VISION

GIS Project Manager Spatial Technologies, LLC

Sean brought his extensive knowledge of GIS environments and project life cycles to Spatial Technologies in 2007. He leads the downrange GIS projects for the 45th Space Wing and he manages the GIS Database Support for the 45th Civil Engineering Squadron. Downrange projects include GIS database implementation, data conversion, site plan development, custom programming and cartographic design. Sean has generated geospatial products that enhance logistical, flight-line, and utilities maintenance operations at Antigua and Ascension Air Stations.

Prior to joining Spatial, Sean excelled as a program manager at Data Mapping Solutions, where he was responsible for implementing a \$20,000,000 parcel identification and mapping project, leading a team of over 100 analysts and the coordination of over 50 field agents. As part of the project, Sean created a custom land base layer using DOQQ aerial imagery and USGS Quad Maps. He oversaw the collection, conversion, and georeferencing of ESRI, Microstation and AutoCAD files to the MapInfo format. Sean's GIS knowledge is broad and cross-platforms.

Sean is also well-versed in site development, layout and permitting and has proven experiences in the civil engineering field.

At Spatial, we have three main goals:

- 1. Exceed customer expectations*
- 2. Retain satisfied employees*
- 3. Promote Community Service*



Lauren Huffman

Areas of Expertise:

ArcGIS Desktop

ESRI Authorized Instructor

CIP data maintenance

Database design and creation

GIS/CAD data conversion

Comm conversion and integration

Cartography

Photo Interpretation, Stereoscope vision

Technical writing

GPS data capture and training

Eight years GeoBase / IGI&S experience

Software and Technical Capabilities:

FGDC and SDS compliance

ESRI ArcGIS 9.x, ArcIMS

**Trimble, Garmin and Novatel GPS
equipment and related software**

AutoCAD

GIS Analyst Spatial Technologies, LLC

Lauren recently completed a year-long tour with the 380th Air Expeditionary Wing managing a communications infrastructure survey team in building and turning over their CIPS Visualization Component program. With eleven years experience working with the Department of Defense and two years as an Authorized Instructor for the Environmental Systems Research Institute, she has developed and taught courses on Geospatial Information Systems software and Global Positioning Systems for the United States Air Force, California Sheriff's Departments, Air National Guard, and the Drug Enforcement Agency.

Lauren's experience as a geospatial information systems and remote sensing analyst, aerial sensor operator, and instructor make her an ideal candidate for data design and process improvement on any geospatial project. She has participated in projects that range from mission planning for crop identification helicopter missions to the migration of CAD As-Built drawings to an SDS compliant geodatabase with metadata for over 600,000 square feet of space utilization.



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