

Jason T. Knowles, Ph.D.

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Education

- Ph.D. Louisiana State University (2008); Major: Geography
- M.Sc. Louisiana State University (2004); Major: Geography
- B.A. California State University, Long Beach (2000); Major: Geography

Professional Experience

- **2015- Founder/CEO, GeoAcuity, Los Angeles, CA**
GeoAcuity is geospatial consulting firm that specializes in providing high quality Geographic Information Systems, Remote Sensing, and Geospatial Intelligence (GEOINT) solutions to the environmental, municipal and Federal sectors. Utilizing cutting edge technology GeoAcuity provides spatial insight and geospatial data creation services to decision makers through the full spectrum of geospatial technologies.
- **2018- Adjunct Associate Professor of the Practice, Spatial Sciences Institute, Dornsife College of Letters, Arts and Sciences, University of Southern California, Los Angeles, CA**
Courses; SSCI 588: Remote Sensing for GIS, SSCI 301 Maps and Spatial Reasoning, SSCI 587 Spatial Data Acquisition.
- **2018- President, Nu Theta Chapter Gamma Theta Upsilon (GTU), International Geographic Honor Society Spatial Sciences Institute, Dornsife College of Letters, Arts and Sciences, University of Southern California, Los Angeles, CA.**
- **2008- Naval Intelligence Officer, United States Navy Reserve (TS/SCI)**
- **2009-15 Senior Geospatial Scientist/Geospatial Solutions Architect, DigitalGlobe, Baton Rouge, LA**
Senior Geospatial Scientist for DigitalGlobe's U.S. Government Technical Team. Managed and directed ArcGIS Server and ArcGIS Online implementations in the cloud utilizing Amazon Web Services. Oversaw data delivery and web based solutions via Flex, Silverlight, and JavaScript based web portals. Onsite support at U.S. Special Operations Command and its subordinate theater components where he oversaw production of multi-layered, fused, geospatial predictive intelligence analysis and modeling in direct support of USSOCOM's Irregular Warfare (IW) and Unconventional Warfare (UW) missions supporting counter-narcotics, human terrain analysis, and counter-terrorism efforts.

Selected Publications / Presentations

- 2020 Knowles, J., McAlinden, R and Fleming, S. Expanding the Utility and Interoperability of Rapidly-Generated Terrain Datasets. United States Geospatial Intelligence Foundation's 2020 State and Future of GEOINT report.
- 2020 Moderator, Opportunities With Geospatial Start-Ups, Los Angeles Geospatial Summit, February 28th
- 2019 Loyola, L, Knowles, J., Marx, A, McAlinden, R and Fleming, S. Research and Teaching Applications of Remote Sensing Integrated with GIS: Examples from the Field. Journal of Geographic Information System (JGIS) Vol.11 No.6.
- 2019 Knowles, J. Full Spectrum GeoVisualization & Tactical Decision Toolkit Development, June 3rd, United States Geospatial Intelligence Foundation (USGIF), San Antonio Texas.
- 2019 Knowles, J. The Integration of Perishable and Short-Lived Technologies into the DoD Ecosystem, May 15th, International Forum for Military Simulation, Training, & Education Community Conference, Stockholm Sweden.
- 2019 Knowles, J. Gamma Theta Upsilon Induction Ceremony April 29th, Spatial Sciences Institute, University of Southern California.
- 2012 Knowles, J.T. CENTCOM/SOCOM Defense and Intelligence User Group Meeting August 13-14, Tampa, Florida. Advanced Geospatial Analysis Supporting DoD: LRA Case Study.

Certifications

- 2012-Present Certified Geographic Information Systems Professional (GISP #23990). Geographic Information System Certification Institute (GISCI).
- 2016-Present Small Unmanned Aircraft System (sUAS) Remote Pilot Certificate, Federal Aviation Administration (FAA) Code of Federal Regulations (14CFR) Part 107. Certificate number #3922858.