

## EDUCATION

- 2014**                    **Doctorate of Philosophy in Geomatics (PhD)**  
University of Florida  
Wrote four peer-reviewed articles, spoke at 12 events and presented 10+ research posters  
Dissertation: "GIS Modeling of Coastal Policy Options in Response to Sea Level Rise" comprised of four peer-reviewed articles
- 2014**                    **Juris Doctor (JD)**  
Florida International University  
Dean's List honors  
Two semesters of the Environmental Clinic
- 2009**                    **Master of Science in Geospatial Surveying Engineering Computer Science (MS)**  
Texas A&M Corpus Christi  
Graduated with honors  
Master's thesis: "Necessity for a Dedicated Land Court"
- 2008**                    **Bachelor of Science in Land Surveying Engineering (BS)**  
New Mexico State University  
Lambda Sigma Honor Society  
Bureau of Land Management Research Intern

## LICENSES AND CERTIFICATES

- 2016                    Texas Registered Professional Land Surveyor (RPLS) #6633  
2015                    Florida Attorney # 117042  
2010                    Florida Professional Surveyor and Mapper (PSM) #6853

## ACADEMIC EXPERIENCE

### **Professional Assistant Professor, Texas A&M Corpus Christi, 2015-Present**

- Designs and teaches eight to ten undergraduate and graduate geomatics classes per year
- Mentors and advises over 75 students to help choose future professional and academic goals and next actions
- Assists in ABET accreditation, student recruiting, survey instrument purchases and maintenance, geomatics IT and software library, and GISSO fundraiser seminars

### **Adjunct Professor, Florida Atlantic University, 2014-2015**

- Designed and taught three undergraduate geomatics classes to over 100 students

June 17, 2016

- Provided each class in a different format: one a-synchronous distance class, one hybrid class (distance lecture and in-person labs) and one in-person class
- Mentored over 50 students during Senior Project class

#### **Research Fellow, University of Florida, Geomatics, 2010-2014**

- Setup independent research program to analyze coastal policy options in response to sea level rise
- Created novel GIS computer model framework in ArcGIS and Python to determine best-practices for coastal policies
- Taught over 300 geomatics and forestry students in four GIS classes from 2010 to 2014

#### **Teaching Assistant, University of Florida, 2010-2014**

- Graded assignments for undergraduate and graduate GIS class
- Provided mentoring for distance students and guided student's homework, labs and projects
- Provided distance lectures as well as in-person lectures

#### **Adjunct Professor, Troy University, 2009**

- Lectured students three-times-per-week on traditional land surveying subjects such as survey computations, legal aspects and construction surveys, including in-field labs
- Mentored students about their future plans including classes, employment prospects and graduate studies

### **PROFESSIONAL EXPERIENCE**

#### **President and Owner, Nettleman Land Consultants, Inc., 2012-Present**

- Provides expert knowledge to attorneys and property owners in the area of real estate law, teach university and continuing education classes, and author land surveying textbooks
- Serves as an expert witness by investigating land disputes, writing expert reports, being deposed and testifying in court - five to ten cases-per-year
- Creates and teaches six to ten land surveying continuing education classes per year
- Authors and teaches live and online exam preparation courses for four land surveying exams

#### **Land Law Consultant, Walter G. Robillard & Associates, 2003-2013**

- Worked closely with leading land law attorney conducting ancient document research, attending depositions and trials, and presenting continuing education classes
- Created a land information system with over 200 historic land records, many dating from the nineteenth century in different languages and units of measure, that resulted in protecting clients from several hundred million dollars of liability
- Consulted with Eskimo tribes in boundary dispute in the Aleutian Islands that protected communal tribal lands from competing title claims

## **Geomaticist I, Post, Buckley, Schuh, and Jernigan, 2009**

- Selected for a company pilot program which tasked recent graduates with completing land surveying projects from field-to-finish
- Performed construction surveys, ALTA surveys, and GIS data collection surveys (field to finish)
- Collected, analyzed, and mapped over 100,000 survey data points for U.S. Military geodatabases under a multi-million-dollar contract with the Department of Defense.

## **PUBLICATIONS**

### **Books**

Robillard, Walter George; **Nettleman III, C.A.** 2016. *Clark on Surveying and Boundaries*. Lexis Pub.

### **Book chapters**

Robillard, W. G., Wilson, D. A., Brown, C. M, **Nettleman III, C.A.** (technical editor for water boundaries chapter) (2014). *Brown's Boundary Control and Legal Principles*. John Wiley & Sons.

### **Peer-reviewed journal articles (published)**

**Nettleman III, C. A.** 2017. "A Review of ABET-Accredited Bachelor's of Surveying Programs." *Surveying and Land Information Science*.

**Nettleman III, C. A.**, Adams, D., Ruppert, T. 2016 "A GIS Model of Rolling Easement Policies in Pinellas and Sarasota Florida" *Journal of Ocean and Coastal Management*.

**Nettleman, III, C.A.**; Ruppert, Thomas; Abd-Elrahman, Amr; Adams, Damian; Barnes, Grenville; Fik, Timothy; Dewitt, Bon. 2014 "GIS-based Modeling of Sea Level Rise's Effect on Coastal Property Management Policies." *Surveying and Land Information Science*.

**Nettleman, III, C.A.**; Ruppert, Thomas; Abd-Elrahman, Amr; Adams, Damian; Barnes, Grenville; Fik, Timothy; Dewitt, Bon. 2012 "A Contemporary Review of Deficiencies Associated with Calculated Tidal Datums and Property Ownership Law " *Surveying and Land Information Sciences*.

**Nettleman III, C. A.**, Jeffress, Gary. 2010 "Necessity for a Dedicated Land Court." *Surveying and Land Information Science*.

Li Bai, Risa Patarasuk, Yin-Hsuen Chen, Sanchayeeta Adhikari, **C. A. Nettleman III**, Scarlett Arana.2011 "Multi-criteria Approach for Wind Farm Site Selection in New Hampshire" *Photogrammetric Engineering and Remote Sensing*.

Calkins, B.; Aspaas, L.; **Nettleman III, C.A.**; Ramirez, A.; Spolar, K.; Trammell, T. 2008. "The Boundary Survey of the United States and Mexico 'Hidalgo de Guadalupe Medir'-Treaty of Guadalupe Hidalgo (1848)." *Surveying and Land Information Science*. (peer reviewed).

## **Peer-reviewed journal articles (in progress)**

**Nettleman III, C. A.** 2017. "The Ultimate Curriculum: A Comprehensive Survey of ABET-Accredited Bachelor's of Surveying Program Curriculums and Suggestions for Building a Better Degree." *Journal of Surveying Engineering*

**Nettleman III, C. A.,** Adams, D., Ruppert, T. 2017 "Confronting Uncertainties in GIS-based Modeling of Rolling Easement Policies: Better Understanding the Human Dynamics" *Journal TBA*.

## **Non-academic publications**

**Nettleman III, C.A.** 2016 "How to Succeed on Surveying Exams." Point of Beginning magazine.

**Nettleman III, C.A.** 2016 "Don't Shoot the Teacher." Point of Beginning magazine.

**Nettleman III, C. A.** 2013. "Young Surveyor's Presentation for FIG Commission 2" *Young Surveyor's Newsletter*.

**Nettleman III, C. A.** 2007 "Jornada, a Cooperative Experience." *New Mexico Professional Surveyor*. *New Mexico Professional Surveyors*. [www.nmps.org](http://www.nmps.org).

**Nettleman III, C. A.,** A. Ramirez, and B. Calkins. 2007 "Nineteenth Century Railroad Surveying Practices." *American Congress on Surveying and Mapping*.

**Nettleman III, C. A.,** A. Ramirez, and B. Calkins. 2005 "Solar Observations Employing Early Twentieth Century Theodolites." *American Congress on Surveying and Mapping*.

## **SPEAKING ENGAGEMENTS**

### **Academic conference presentations**

**C.A. Nettleman, III,** A. Abd-Elrahman, G. Barnes, T. Ruppert, B. Dewitt, T. Fik. 2012 "Modeling Coastal Climate Change Policies through a GIS Model." Florida Atlantic University Boca Raton, FL. *Sea Level Rise Summit*.

**C.A. Nettleman, III,** A. Abd-Elrahman, G. Barnes, T. Ruppert, B. Dewitt, T. Fik. 2012 "Modeling Coastal Climate Change Policies through a GIS Model." Rome, Italy. *Working Week 2012, International Federation of Surveyors*.

## Invited lectures

**C.A. Nettleman, III.** 2017 “An Introduction to the Analytical Portion of the Texas RPLS Exam.” Houston, TX. *Texas Society of Professional Surveyors (TSPS)*.

**C.A. Nettleman, III.** 2016 “Student to Texas RPLS.” Waco, TX. *TSTC Community College*.

**C.A. Nettleman, III.** 2013 “The Future of Young Surveyors.” Tyler, TX. *FIG SAGES*.

**C.A. Nettleman, III.** 2012 “What is the Future of the Land Surveying Profession?” Rome, Italy. *FIG Young Surveyors*.

## Guest lectures

**C.A. Nettleman, III.** 2014 “Legal Principles of Land Surveying: Structure of the U.S. court system” Boca Raton, FL. *Florida Atlantic University*.

**C.A. Nettleman, III.** 2014 “How Coastal Policies are Made in Florida.” Miami, FL. *FIU Law*.

## Professional Development Workshops

**C.A. Nettleman, III.** 2017 “Legal Aspects of Surveying” and “Boundaries, Boundaries!” Natchez, MS. *Mississippi Society of Professional Surveyors*.

**C.A. Nettleman, III.** 2017 “Three Worlds of Surveying” and “Deeds, Descriptions and the Law.” Albuquerque, NM. *New Mexico Society of Professional Surveyors*.

**C.A. Nettleman, III.** 2017 “Equitable Servitudes and Covenants” and “Deeds, Descriptions and the Law.” Myrtle Beach, SC. *South Carolina Society of Professional Surveyors*.

**C.A. Nettleman, III.** 2017 “Boundaries, Boundaries!” and “Three Worlds of Surveying.” Rockland, ME. *Maine Society of Professional Surveyors*.

**C.A. Nettleman, III.** 2016 “Boundaries, Boundaries!” and “Three Worlds of Surveying.” Myrtle Beach, SC. *South Carolina Society of Professional Surveyors*.

**C.A. Nettleman, III.** 2016 “Boundaries, Boundaries.” Nashville, TN. *Tennessee Society of Professional Surveyors*.

**C.A. Nettleman, III.** 2016 “Ethics for Surveyors,” “Elusive Center of Section,” and “Three Worlds of Surveying.” Indianapolis, IN. *Indiana Society of Professional Surveyors*.

**C.A. Nettleman, III.** 2015 “Easements and Rights of Way.” Houston, TX *Texas Society of Professional Surveyors*.

**C.A. Nettleman, III.** 2015. "Easements and Rights of Way." Orlando, FL.

**C.A. Nettleman, III.** 2015. "Water Boundaries." Pensacola, FL.

**C.A. Nettleman, III.** 2015 "Three Worlds of Surveying," "Easements and Rights of Way," and "Water Boundaries." Nashville, TN. *Tennessee Society of Professional Surveyors*.

**C.A. Nettleman, III.** 2015 "The Successful Surveying Business" and "Easements and Rights of Way" Columbia, SC. *South Carolina Society of Professional Surveyors*.

**C.A. Nettleman, III.** 2014 "Creating and Terminating Easements in Florida" Ft Lauderdale, FL. *Florida Society of Professional Land Surveyors, Broward Chapter*.

**C.A. Nettleman, III.** 2012 "Boundaries, Boundaries." Ft. Lauderdale, FL. *Florida Society of Surveyors*.

## **COURSES TAUGHT**

### **Texas A&M, Corpus Christi**

#### **Spring 2017**

- Digital Drafting and Design (GISC 1336)
- Fundamentals of Surveying II (GISC 3412)
- Field Camp I (GISC 2250)
- Legal Aspects of Spatial Information (GISC 4305)
- Geospatial Systems Project (GISC 4351)

#### **Fall 2016**

- Cadastral Land Systems (GISC 4318)
- Fundamentals of Surveying I (GISC 2470)
- Geospatial Mathematical Techniques (GISC 3300)
- Geospatial Systems Project (GISC 4351)

#### **Spring 2016**

- Digital Drafting and Design (GISC 1336)
- Fundamentals of Surveying II (GISC 3412)
- Field Camp I (GISC 2250)
- Legal Aspects of Spatial Information (GISC 4305)
- Geospatial Systems Project (GISC 4351)

#### **Fall 2015**

- Cadastral Land Systems (GISC 4318)
- Fundamentals of Surveying I (GISC 2470)
- Geospatial Mathematical Techniques (GISC 3300)

- Survey Computations and Adjustments (GISC 4340)

**Spring 2015**

- Digital Drafting and Design (GISC 1336)
- Fundamentals of Surveying II (GISC 3412)
- Geodetic Science (GISC 3325)
- Legal Aspects of Spatial Information (GISC 4305)
- Geospatial Systems Project (GISC 4351)

**GRANTS, FELLOWSHIPS, AND AWARDS**

2010-2014	Grinter Fellowship and Graduate School Fellowship (~\$225k)
2012-2014	Graduate Merit Scholarship (\$12k)
2008-2009	Wynell Ball Scholarship (\$8k)
2008-2009	Conrad Blucher Memorial Scholarship (\$4k)

**UNIVERSITY SERVICE ACTIVITIES**

2016 – Present	Texas A&M University Geospatial Scholarship Committee, Member
Spring 2017	National Society of Professional Surveyors (NSPS) Student Competition Faculty Advisor. TAMUCC was awarded first-place in the 2017 competition
Fall 2016	First-Year Convocation
Spring 2016	National Society of Professional Surveyors (NSPS) Student Competition Faculty Advisor
Spring 2015	Center of Faculty Excellence: Diversity in the Classroom
Fall 2015	Center of Faculty Excellence: Writing Intensive Series
Spring 2015	Center of Faculty Excellence: New Faculty Series
2015-Present	Member of GISC/GSEN Scholarship Committee
2015-Present	Head of GISC/GSEN Student Recruitment
2015-Present	Survey Equipment and Software Purchasing, Maintenance and Control

2015-Present Created 12 Agreements in GISC Community College Matriculation Program

### **OUTSIDE SERVICE ACTIVITIES**

2016 – Present Program Evaluator (PEV) for the Accreditation Board, Engineering and Technology (ABET)

2016 – Present New Mexico Society of Professional Surveyors (NMPS) Scholarship Committee, Member

2015 – Present Chair of American Bar Association Sub-Committee, National Society of Professional Surveyors

2015 – Present TAMUCC Liaison, Texas Society of Professional Surveyors Education Committee

2012 – Present Co-Chair, the Federation of International Surveyors (FIG) Higher Education Marketing Committee (Cmte 2.3)

2013-2014 Member of FIU Law Environmental Clinic

2013-2014 Legal counsel (under clinic attorney) for Biscayne Bay Waterkeeper

2011 Volunteer at the National Conference for the American Society for Photogrammetry and Remote Sensing (ASPRS)

2010 Student coordinator of 1<sup>st</sup> Annual UF SFRC Retreat

2007-2008 Secretary of American Society of Professional Land Surveyors Student Chapter

### **PROFESSIONAL AFFILIATIONS**

2008-Present International Federation of Land Surveyors (FIG)

2006-Present National Society of Professional Land Surveyors (NSPS)

2013-Present Geographic and Land Information Society (GLIS)

2010-Present Florida Society of Mappers and Surveyors (FSMS)

2015-Present Texas Society of Professional Surveyors (TSPS)