

UF Geomatics @ Fort Lauderdale Newsletter

December 2018

Program News

Thank you to everyone who has helped make 2018 another productive year for the [University of Florida Geomatics Program @ Fort Lauderdale REC!](#) We have focused our research efforts this past year on forging interdisciplinary collaborations with both internal and external partners. On the teaching front, we are grateful for the many surveying professionals who volunteered their time to ensure UF Geomatics students have a first-class educational experience.

Levente Juhasz, Geomatics PhD student at FLREC, was the [recipient of a 2018 Marshall Plan Foundation scholarship](#). This provided him with the opportunity to conduct research in Austria in spring 2018. His visit to Austria built upon a long-term research relationship with the [Carinthia University of Applied Sciences](#). Congratulations, Levente!



Levente Juhasz (UF, far left) with US Ambassador to Austria, Trevor Traina, Professor Gernot Paulus (Carinthia University of Applied Sciences), and Daniel Beene (University of New Mexico)

Active involvement in regional events by leading [community mapping activities](#), hosting [professional meetings](#), and providing [technical seminars](#) enhances exposure of the statewide presence of our UF Geomatics program. Further, outreach activities (e.g., [GIS Days](#), [South Florida Career Construction Days](#)) raise awareness of the excellent career opportunities available for interested students.

Recent presentations at conferences given by the UF Geomatics @ Fort Lauderdale research group include [AGILE 2018](#) (Lund, Sweden), [ASPRS 2018](#) (Denver, CO), [ESRI UC 2018](#) (San Diego, CA), [LBS2018](#) (Zurich, Switzerland), [South Florida GIS Expo](#) (West Palm Beach, FL) and the [Southwest Florida GIS Symposium](#) (Fort Myers, FL).

Lastly, congratulations to our newest graduates: [Patricia Grau](#) (BS), Sina Nejad (BS), [Joe Rager](#) (BS), Matthew del Valle (BS), Blake Bussard (MS), Nick Grokhowsky (MS), Robert Loane (MS), [Michiko Squires](#) (MS), Shelly Wayte (MS), [Ahmed Ahmouda](#) (PhD), [Sreten Cvetojevic](#) (PhD), and [Levente Juhasz](#) (PhD)!

We look forward to connecting with you again in 2019! Happy Holidays!

Registration for [Spring 2019 courses](#) is now available.
[Contact us today](#) for an advising appointment!

Important 2019 Dates

- Jan. 7: Spring classes begin
- Feb. 1: Undergrad. admission app. [deadline \(Sum. C\)](#)
- Apr. 15: Undergrad. admission app. [deadline \(Fall\)](#)
- May 3-5: Spring commencement
- May 13: Sum. A/C classes begin
- Aug 20: Fall classes begin

Selected Geomatics Publications, Presentations

- Juhasz and Hochmair: [OSM Data Import as an Outreach Tool to Trigger Community Growth? A Case Study in Miami](#)
- Benjamin et al.: [Assessment of Structure from Motion \(SfM\) processing parameters on processing time, spatial accuracy, and geometric quality of unmanned aerial system derived mapping products](#)
- Ahmouda and Hochmair: [Analyzing the Effect of Earthquakes on OpenStreetMap Contribution Patterns and Tweeting Activities](#)

New Geomatics Projects

- Biodiversity Seed Grant (with Dept. of Wildlife Ecology and Dept. of Entomology), funded by UF Biodiversity Institute
- Sea Level Rise Impact Planning Tool (with Florida International University), funded by City of Coral Gables

Recent Accomplishments

- Adam Benjamin received the [2017-2018 Young PSM of the Year Award](#) and the [Mark Eckl Memorial Award](#)
- Levente Juhasz received [1st Place in the Student Poster competition at the South Florida GIS Expo](#)

This newsletter couldn't possibly cover it all, so we encourage everyone to visit:

<http://mygeomatics.com>

A Message to Prospective Undergrad Students

The University of Florida's Fort Lauderdale Research & Education Center (FLREC) offers a 4-year, ABET accredited degree, the [Bachelor of Science in Geomatics](#), which fully prepares graduates for professional licensure in the state of Florida and beyond. We are located 1 mile off Interstate 595 in the NW corner of the South Florida Education Center ([Directions](#)).

Our program is designed for both full-time and working students. Students registered at our campus can participate in live lectures either on site or from the home/office via video conferencing technology. Further, lectures are recorded so students can watch them from any personal computer with basic broadband internet service. Our lab courses, which typically occur in the evenings or on Saturdays, have been adjusted to be flexible with student work schedules.

We recommend that students:

1. Obtain an Associate of Arts degree (AA) from a Florida college to complete all UF general education requirements
2. Satisfy their AA with the prerequisite courses required for admission to the Geomatics Program (listed on the right.) By taking these courses while earning their AA, students can be admitted faster into the Geomatics Program.

Geomatics courses can be taken in non-degree seeking status prior to admittance but some limitations apply. Please contact us to find out if the non-degree seeking status will work for you.

Each semester students have the opportunity to apply for various college scholarships and internships. We encourage all students to apply for our local scholarships as well as those at the regional and national levels (e.g. FSMS, ASPRS, & NSPS scholarships). So, what are you waiting for? Contact us today to see how we can change your future!



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UF GEM @ FLREC Benefits

- UF degree (BS, MS, PhD) without going to Gainesville
- Numerous scholarships & internships
- Modern equipment & software
- Flexible scheduling
- Reduced fees
- Ability to take distance education courses from the comfort of home
- Well connected to local industry

Undergrad Geomatics Admission Prerequisites

1. SPC2608 – Public Speaking
2. PHY2053/PHY2053L – Gen. Physics 1 + Lab (or PHY2048/PHY2048L)
3. PHY2054/PHY2054L – Gen. Physics 2 + Lab (or PHY2049/PHY2049L)
4. STA2023 – Statistics
5. MAC 2311 – Calculus I (or MAC1114 + MAC2233 – Trigonometry + Business Calculus)
6. ECO2013 – Macroeconomics (or ECO2023 – Microeconomics)
7. COP#### – Advisor Approved Programming Course (Python, C++, Visual Basic, Java, etc.)

Areas of Study

- Professional Surveying
- Geospatial Analysis
- Photogrammetry & LIDAR
- Unmanned Aerial Systems
- GIS & Remote Sensing
- Cartography
- Cadastral Science
- Spatial Analysis
- Land Development
- Geospatial Intelligence

