

GIS



Assessors can receive
5 CEU hours!

Join Us In Celebrating GIS Day!

GIS Day at

Rowan College at Burlington County,

Wednesday, November 2, 2016

Formerly
Burlington County College



What is GIS?

More than one million people across the globe rely on geographic information system (GIS) technology to solve problems and make better decisions by thinking and planning geographically. GIS combines computer hardware, software, and data to collect, manage, and analyze geographic information.

With GIS, users can view relationships, processes, patterns, and trends in the form of maps, globes, reports, and charts. From mapping wildfires to finding the best location for your favorite coffee shop, GIS helps people see how the world works and changes.

What is GIS Day?

Since 1999, more than 10,000 organizations have participated in GIS Day by hosting events such as open houses, hands-on workshops, community expos, career fairs, school-wide assemblies, and mapping projects. GIS Day success is due to the hard work and dedication of GIS users around the world who see the importance of sharing their GIS knowledge with others.

Learn how GIS & GPS are used!

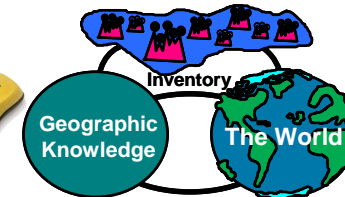
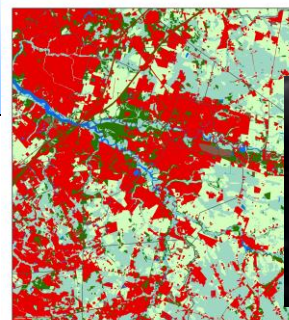
GIS is used by many organizations for mapping, analysis, and decision making. Join us to find out more about GIS applications such as:

Mapping history, drone imagery and demo, private well testing, illegal dumping, beach dune erosion, conservation, public water access, remote sensing and mapping infrastructure in 3D.

Who Should Attend?

All individuals interested in how geography, through the technology of GIS, affects your everyday life!

Organizations which use GIS are invited to display maps in the Map Gallery. Map submission deadline is November 1st. For more information or to display a map in the Gallery, contact: Merrilee Torres at 609-702-7067 or mtorres@co.burlington.nj.us



Event: GIS Day at Rowan College at Burlington County

Preliminary Agenda

Date:	Wednesday, November 2, 2016, 8:30 am – 4:30 pm
Time:	8:30-9:00 Morning refreshments
	9:00-4:30 Map Gallery
	9:00-12:00 Speakers
	12:00-1:00 Lunch
	1:00-4:30 Palmyra Nature Cove's Mobile Geoscience and Remote Sensing Lab
	1:00-2:15 GPS Outdoor Field Activity
	1:00-4:00 MAGTUG Seminar:
	2:30-4:30 How to Model Infrastructure in 3D
	Hands-on, Self-paced GIS Lab Exercises
Location:	Rowan College at Burlington County 900 College Circle (Mount Laurel Campus) Mount Laurel, NJ 08054

Description

GIS Day will kick off with a morning of speaker presentations highlighting GIS applications across various industries. The afternoon will include a MAGTUG (Mid-Atlantic Geospatial Transportation Users Group, www.magtug.wordpress.com) seminar and hands-on GPS/GIS exercises using professional equipment & software. A Map Gallery will be on display throughout the day. This is also an opportunity to learn about RCBC's Geospatial Technologies program.

Participants can take part in activities where prizes will be awarded.

The event is free and refreshments will be provided. Seating is limited and registration is requested.

For more information and registration go to: <http://www.co.burlington.nj.us/gisdayatrcbc>





GIS Day

November 2, 2016

Formerly
Burlington County College



Rowan College at Burlington County, Mount Laurel Campus

Preliminary Agenda – times & presentations subject to change

Enterprise Center, Auditorium

8:30 - 9:00

Morning refreshments

9:00 - 12:00

Speaker Presentations:

➤ 9:05 - 9:25

Historical GIS – for Education & Preservation

Sean Moir, Western Heritage Mapping

➤ 9:30-10:20

NJDEP Showcase:

- **Don't Waste Open Space Web Application**

Edward Apalinski

- **Regional Conservation Opportunity Areas (RCOA) & NJ Conservation Focal Areas (CFA)**

Patrick Woerner

- **Using ArcGIS Online to Display Public Access**

Location Data

Rebecca Foster

- **Using NJ Private Well Testing Act Data to Map Groundwater Vulnerability throughout the State**

Nick Procopio

➤ 10:20 - 10:50

Feature Challenge & Break

➤ 10:50 - 11:10

Using GIS, Aerials & Ground Truthing to Uncover Superstorm Sandy Erosion

Bianca Charbonneau, U Penn PhD Candidate

➤ 11:15 - 11:35

GIS Mapping and Aerial Imagery at Black Run Preserve

Donald Morrison, Rowan Student

➤ 11:35 - 12:00

Demonstration of Flying Quadcopter

Donald Morrison, Rowan Student

12:00 – 1:00 Lunch Technology Building, Student Lounge

Breakfast and Lunch are sponsored by



PROFESSIONAL SCIENCE
MASTER'S IN GEOGRAPHIC
INFORMATION SYSTEMS



Taylor Wiseman & Taylor
ENGINEERS SURVEYORS SCIENTISTS



Brought to you by:
Burlington County Board of Chosen Freeholders
Rowan College at Burlington County
& MAGTUG



Rowan College
at
BURLINGTON COUNTY



Mobile Geoscience and Remote Sensing Lab

1:00 – 4:30

Learn about satellites and remote sensing in Palmyra Nature Cove's traveling lab

Hands-on GPS Outdoor Field Activity

1:00 – 2:15

Meet in Technology Building, Room 208

Learn about GPS and test-drive professional grade GPS units.

Hands-on GIS Lab Exercises

2:30 – 4:30

Technology Building, Room 208

Use professional GIS software in these exercises to solve real-life problems.

MAGTUG Seminar: How to Model Infrastructure in 3D

1:00 – 4:00

Enterprise Center, Auditorium (open to the public)

➤ 1:05 – 1:50

Managing 3D Data in Desktop Apps:

- Patrick Gahagan, Esri

- George Hatch, AutoDesk, Inc.

➤ 1:55 – 2:40

Data Collection (Equipment, Methods, Examples):

- **Traditional & GPS-enhanced Survey & Ground Control**

Ambrose Gmeiner, Johnson, Miriam, & Thompson

- **Supporting Airport Data Collection Through Mobile LiDAR & Laser Crack Management System**

Michael Baker, Ken Contrisciane

- **Aerial LiDAR & Stereo Orthophotos**

Wesley Weaver, Keystone Aerial Surveys

➤ 2:40 – 3:10

Drones:

- **DIY Models with Drones/UAVs**

George Hatch, AutoDesk & 3DR

- **Drone Images to 3D models with ArcGIS**

Patrick Gahagan, Esri

➤ 3:10 – 3:45

Panel Discussion of Alternative Method Tradeoffs

For more information and registration go to: <http://www.co.burlington.nj.us/gisdayatrcbc>