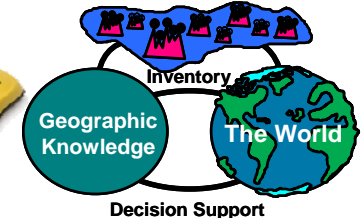




Join us In Celebrating GIS Day!  
 GIS Day at Burlington County College,  
 November 13, 2014



### 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 supporting fire departments / emergency management, fighting childhood obesity, pre-planning for the Super Bowl, mapping water tables, creating park maps, inventorying transportation assets and much more!

### 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. Maps submission deadline is November 12<sup>th</sup>. 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 Burlington County College

Date:	<b>Thursday, November 13, 2014, 9:00 am – 4:30 pm</b>	
Time:	9:00-4:30	Map Gallery
	9:00-12:00	Speakers
	12:00 -1:00	Lunch
	1:00–2:15 & 2:30-3:45	GPS Outdoor Field Activity
	1:00–2:15 & 2:30–4:30	Hands-on, Self-paced GIS Lab Exercises
	1:30–4:30	MAGTUG Workshop: Transportation System Performance Measures

Location: Burlington County College  
 Mount Laurel Campus,  
 Laurel Hall (Rm 320) & Technology Building (Tech 208)

### Description

GIS Day will kick off with a morning of speaker presentations highlighting GIS applications across various industries. The afternoon will include the MAGTUG (Mid-Atlantic Geospatial Transportation Users Group, [www.magtug.wordpress.com](http://www.magtug.wordpress.com)) fall meeting, a hands-on GPS exercise using professional equipment, and GIS exercises using professional software. A Map Gallery will be on display throughout the day. This is also an opportunity to learn about BCC'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/gisdayatbcc>**



# GIS Day

November 13, 2014  
Burlington County College  
Mount Laurel Campus



## Speaker Presentations

9:00 - 12:00

Laurel Hall, Room 320

- 9:05-9:25 **GIS at the Mount Laurel Fire Department**  
Larry Fox, Mount Laurel Fire
- 9:30-9:50 **GIS and Student Research**  
Jason Kelsey, Marine Academy of Technology and Environmental Science
- 9:55-10:15 **Transforming New Jersey's State Parks and Forestry Maps**  
David Smith, NJ Division of Parks and Forestry & Rutgers University
- 10:15 – 10:40 **Feature Challenge & Break**
- 10:40-11:00 **GIS as a Tool and Science for Healthier Landscapes**  
David Tulloch, CRRSA, Rutgers University
- 11:05-11:25 **Using LiDAR and GIS Tools to Map Water-Table Depth**  
Robert Nicholson, USGS, NJ Water Science Center
- 11:30-12:00 **Leveraging GIS in Emergency Management: the Meadowlands Example**  
Dom Elefante, NJ Meadowlands Commission

12:00 – 1:00 Lunch

Laurel Hall, Room 320/304

*Breakfast and Lunch are sponsored by*



*Brought to you by:*

*Burlington County Board of Chosen Freeholders  
Burlington County College  
& MAGTUG*



## Hands-on GPS Outdoor Field Activity

1:00 – 2:15 **Group A** Meet in Laurel Hall, Room 312

2:30 – 3:45 **Group B** Meet in Laurel Hall, Room 312

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

## Hands-on GIS Lab Exercises

1:00 – 2:15 **Group B** Technology Building, Room 208

2:30 – 4:30 **Group A** Technology Building, Room 208

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

## MAGTUG Workshop:

### Transportation System Performance Measures (open to the public)

1:30 – 4:30 Laurel Hall, Room 320

- 1:30 **Implications of MAP-21 Performance Measures for Local Agencies**  
Simon Lewis, McMahon Associates
- 2:15 **Pavement Management Step by Step**  
Janel Bisacquino, Mercer County
- 2:45 **Burlington County Guide Rail Inventory**  
Patrick Kane, Taylor Wiseman Taylor
- 3:15 **Development of a Statewide Speed Survey for Delaware**  
David Raca, University of Delaware
- 4:00 **Overview of NJ Transit's Public Information Display Inventory**  
Jason Kreyling, Michael Baker Jr.

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