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# Experimental Learning Environments

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# Experimental Learning Environments

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COALITION FOR NETWORKED INFORMATION

APRIL 5, 2016

# Agenda

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- **Introduction**
- **History of Brown Room + Cooper Digital Studio**
- **Adobe Digital Studio + Brown Digital Resources Lab**
- **Center for Geospatial Technologies**
- **Vision for the Future**

# Speakers

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- **Patricia Carbajales-Dale**  
Co-Director, Clemson Center for Geospatial Technologies
- **Bobby Hollandsworth**  
Learning Commons Coordinator, Clemson University Libraries
- **Wesley Smith**  
Manager, Adobe Digital Studio at Clemson University Libraries
- **Christopher Vinson**  
Head of Library Technology, Clemson University Libraries

# Introduction

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- How many are here from libraries? How many are here from other offices?
- How many would say you have collaborative spaces in your libraries with campus or private partners? Are you happy with it?
- How many of you are interested in developing new spaces?

# A Little Background

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History of Our Experimental Learning Environments

# Cooper Library is Very Popular

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- Patron Count: **1,306,412**
- Change: **4%**
- Average Weekday: **8,300**
- Average Week: **43,865**

(FY 2014-2015)


Cooper Library- 4th Floor

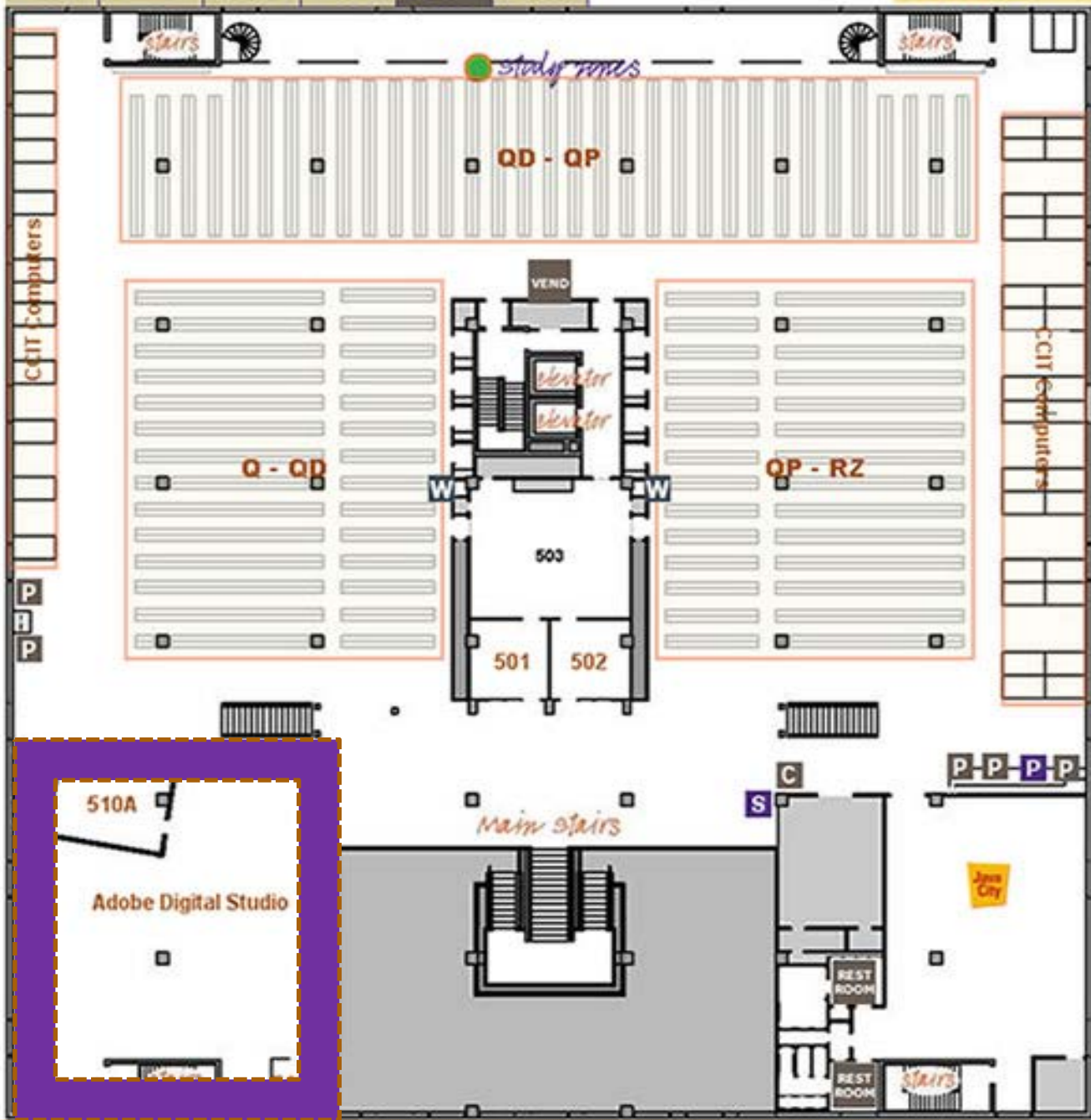




Cooper Library- 5th Floor

- 1st
- 2nd
- 3rd
- 4th
- 5th**
- 6th

See All  Search:



# Brown Room

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- Renovated Brown Room opened October 2013
- Collaboration of Library, CCIT, and Dell
- Former meeting room
- 893 sq. ft.
- Visualization Wall (15–46 inch monitors, 17 x 6)
- 3 projectors
- 16 laptops
- Classroom and presentation space, HiperWall
- Comfortable space for 16 at tables

# Brown Room

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EDGAR A. BROWN



CLEMSON  
LIBRARIES



Learning Commons West

- Learning Commons West
- Audiobooks
  - DVDs
  - Full
  - Interactive Tools
  - Language Learning
  - Microfilm
  - Multimedia Centers
  - Music CDs
  - Navigation
  - Photocopying
  - Popular Reading
  - Special Books















# CLEMSON® UNDERGRADUATE RESEARCH

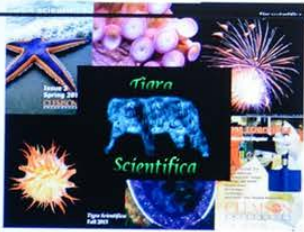


*Tigra scientifica*



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# Adobe Digital Studio

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THE  
ROBERT MULDROW COOPER  
LIBRARY

Coming in 2005  
Adobe Digital Studio  
GLENSIDE

JAMES F BYRNES

















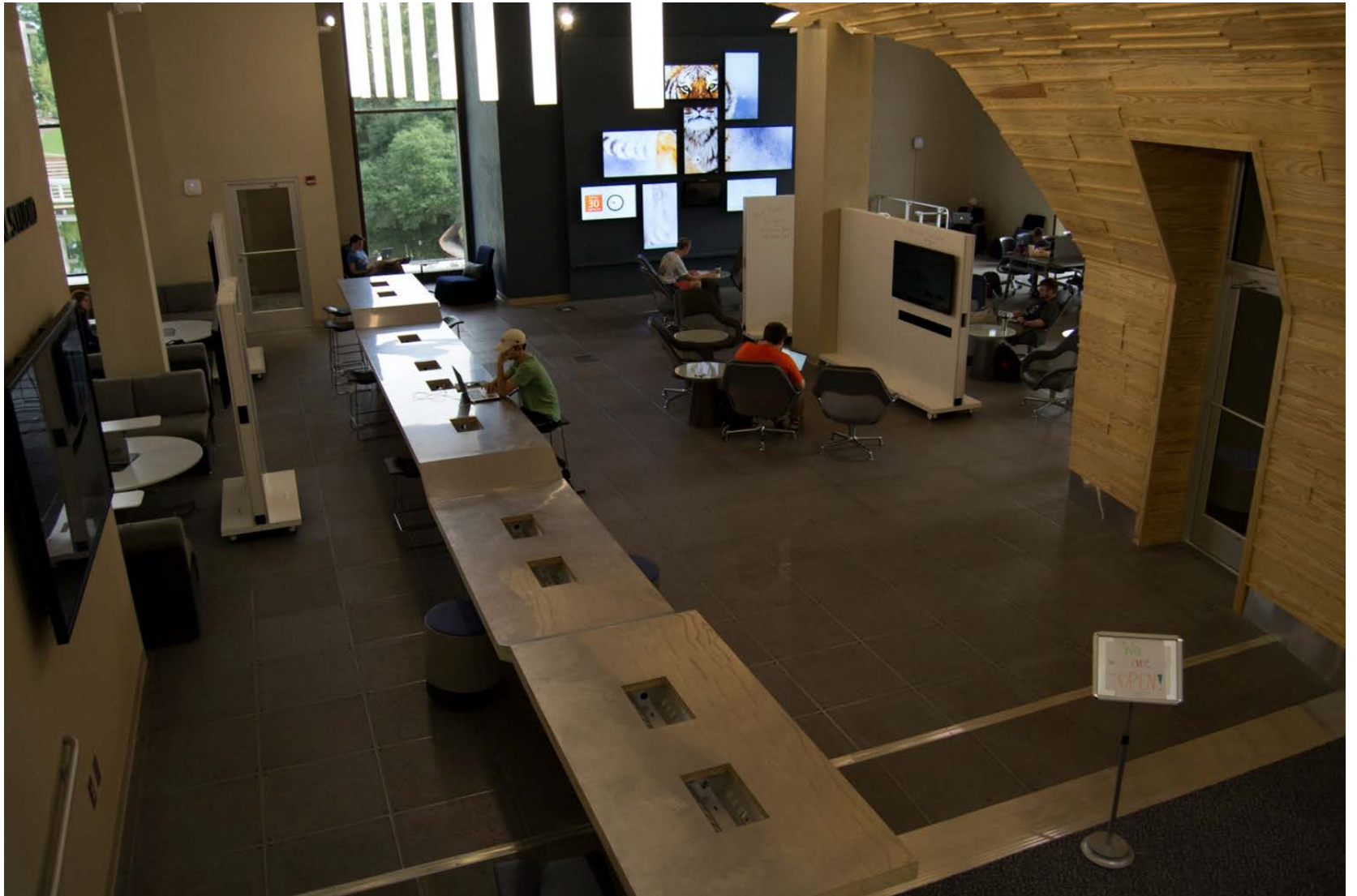
















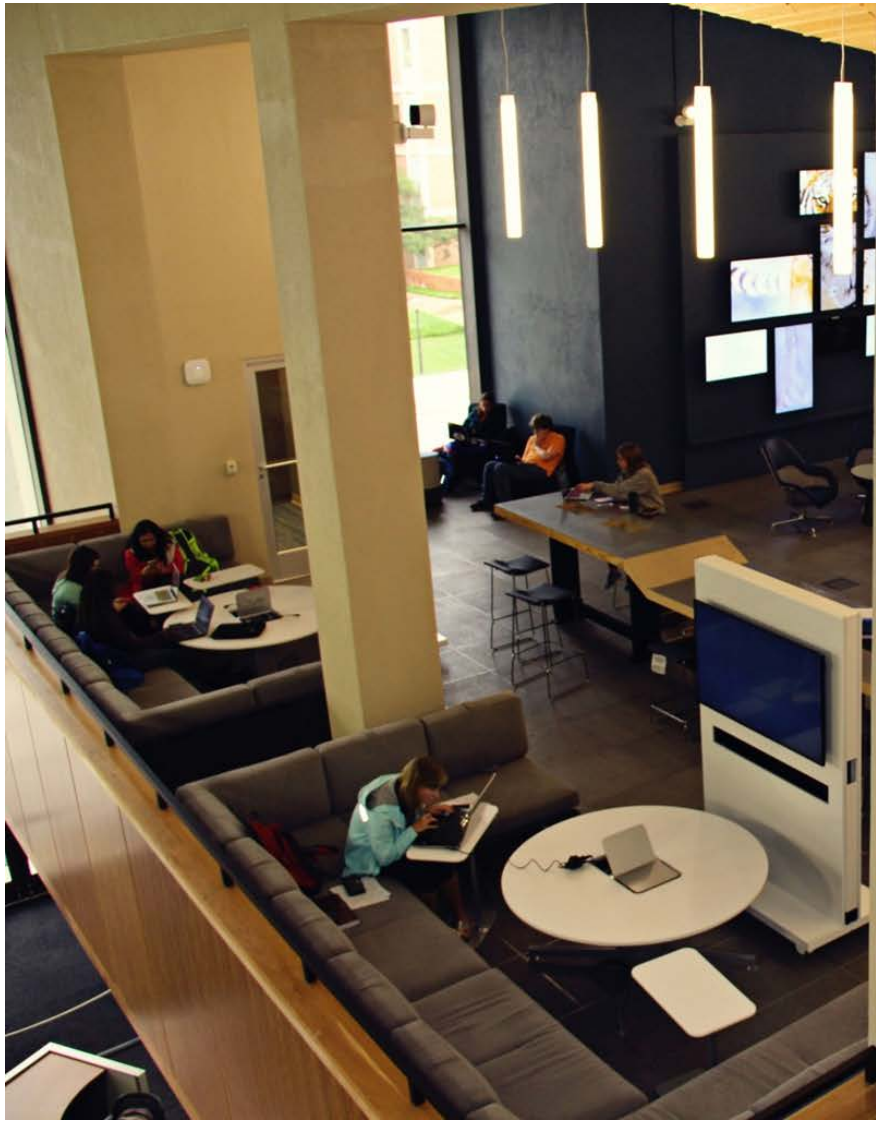
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ADOBE  
DIGITAL STUDIO

CRESTRON iMedia





CLEMSON  
LIBRARIES

 ADOBE  
DIGITAL STUDIO



# Current Adobe Studio + Brown DRL

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- Setup
- By the Numbers
- Structure

# Adobe Digital Studio

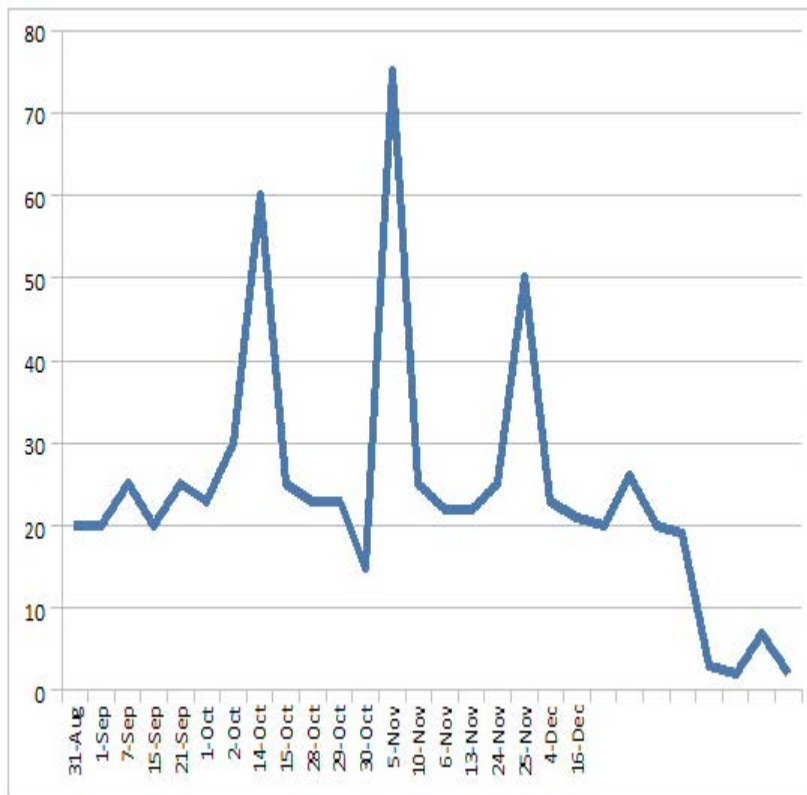
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- 2,457 sq. ft. area
- Library, CCIT, and Adobe collaboration
- Video production studio
- Audio production studio
- 7 large screen monitors, plug and work
- 4 dual screen iMacs for post production
- Adobe Creative Cloud
- Open 24/5, staffed 9am-10pm M-Th, 9am-5pm Friday, and 4pm-10pm Sunday



# By The Numbers - Studio

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- The average user population during fall semester was **41.93**
- **29** Faculty/Class Tours (Over 700 Students visited the Adobe Digital Studio for an official Tour)

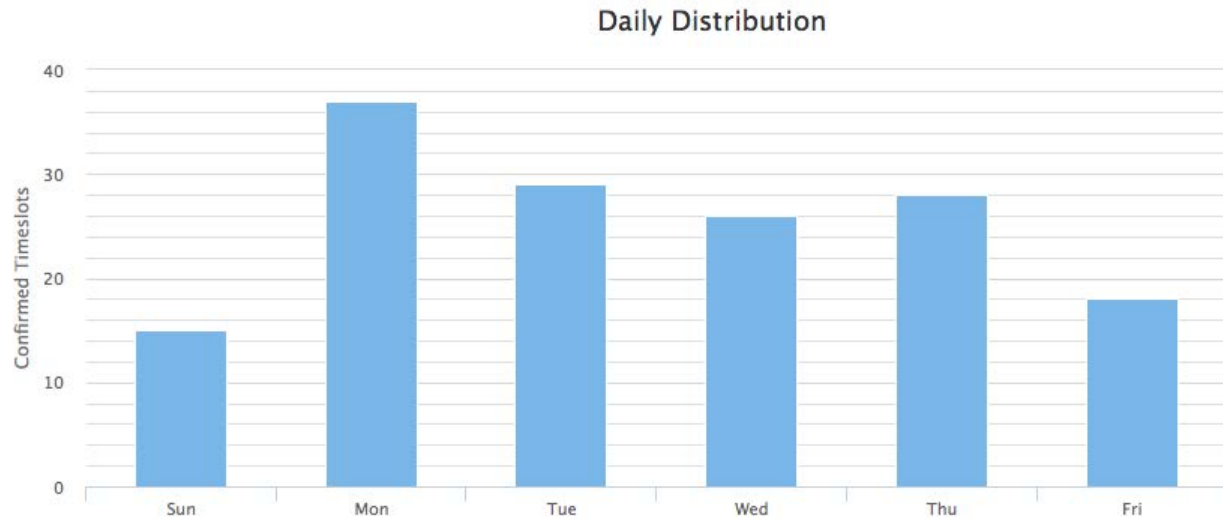


# By The Numbers: Video Production

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## Key Stats

**83** Unique Users  
**153** Confirmed Timeslots  
Total time used:  
**9180** Minutes (6 Days 8 Hours)

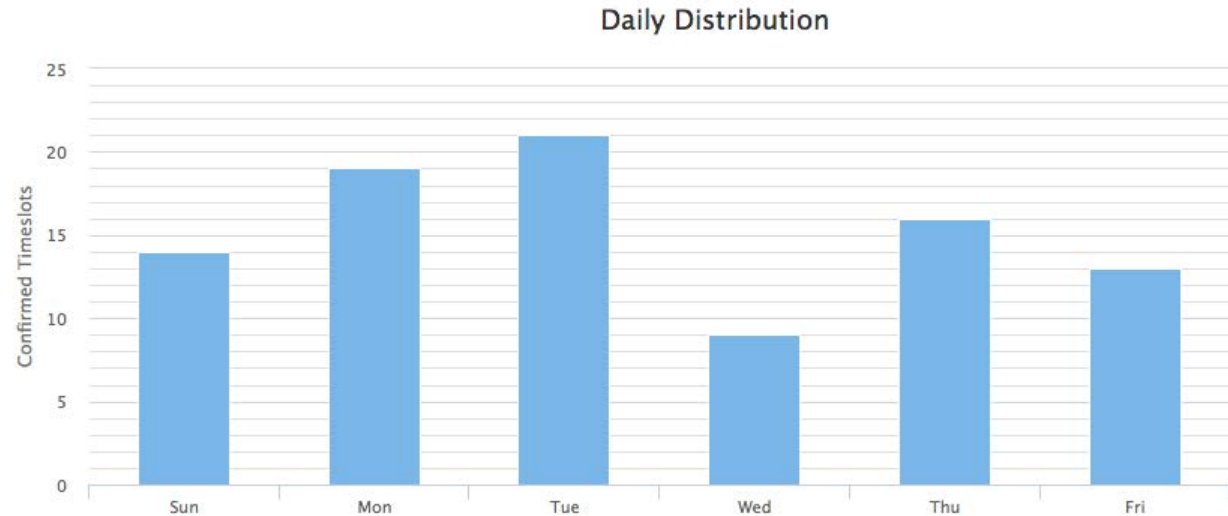


# By The Numbers: Audio Production

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## Key Stats

**47** Unique Users  
**92** Confirmed  
Timeslots  
Total time used: **5520**  
Minutes (3 Days 20  
Hours)



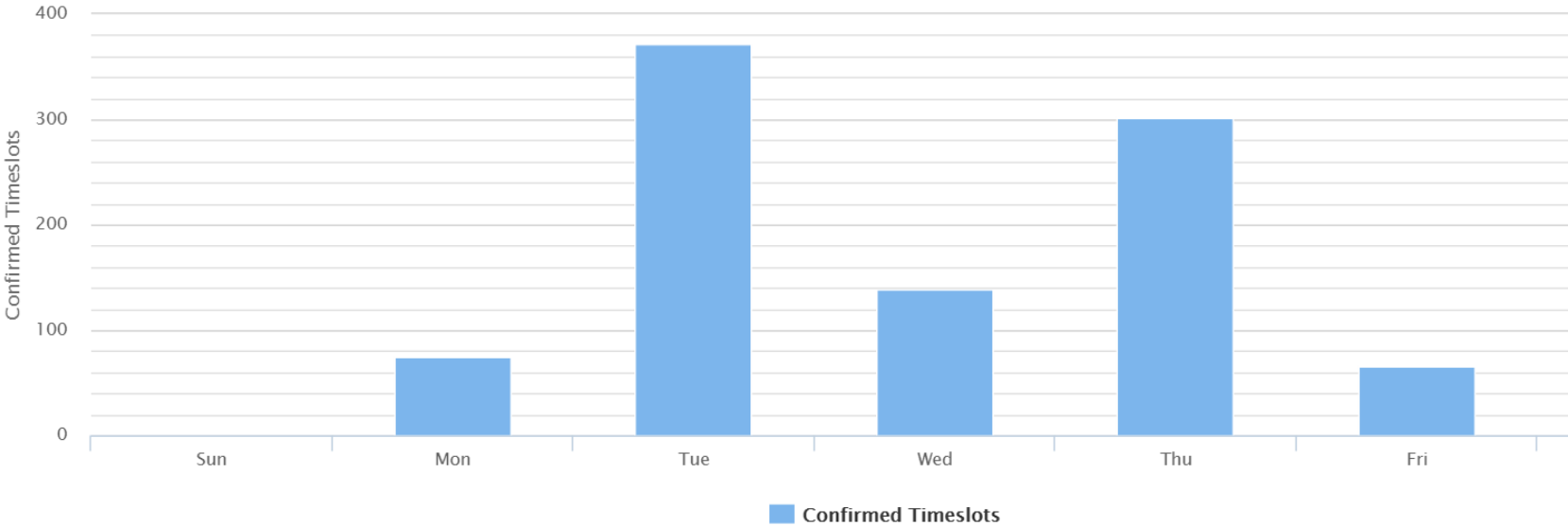
# Adobe Digital Studio Staff Structure

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- **1** Full Time Staff
- **1** Graduate Assistant
- **9** Student Intern/Work Study Students

# Brown Room

Daily Distribution





# Center for Geospatial Technologies

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# Background & Mission

- Dispersed
- No staff support
- IT & Libraries: advanced cyberinfrastructure & service, data oriented
- Mission:

**Build a community** of interdisciplinary geospatial science practitioners through the support of **research, teaching, and outreach** activities using technologies that enable the collection, analysis, and application of spatial data.

**CLEMSON**  
CENTER FOR GEOSPATIAL TECHNOLOGIES

Home Services Software Data About Resources

## GIS SERVICES

Instruction - Research support - Data - Cyberinfrastructure

### GETTING STARTED

Are you new to GIS and don't know where to start? We have created a resource guide that details the resources available to you at Clemson as well as a learning path to master the fundamentals of GIS.

More info

### WORKSHOPS

Our workshops provide hands-on instruction on geospatial technologies. From introduction to GIS to advanced spatial analysis, our hands-on workshops are tailored to fit your needs. Training for specific disciplines is also available on-demand.

More info

### RESOURCES

Our GIS professionals assist Clemson researchers with their geospatial needs. Whether it is finding data, spatial analysis, grant proposals, or intensive computing in our Palmetto cluster, we have the resources to help you with your geospatial needs.

More info

Geospatial Data   Research Support   Instruction & Outreach   Field Data Collection   CyberGIS   Big data & social media

## CATALYST

Interdisciplinary Research & Collaboration

Grant Funding

Local & International Outreach

Online Certificate Programs

Partnerships with Industry

from...



to...





# Collaborative space



## Sandbox contests

**Let your educational skills shine with our sandbox and win a drone!**

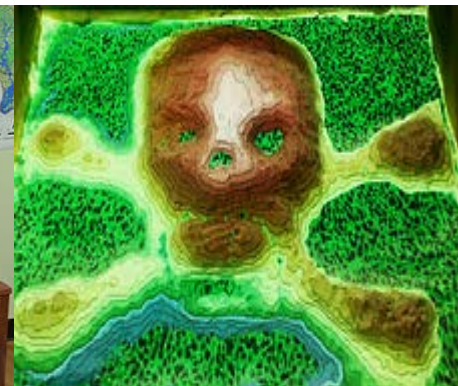
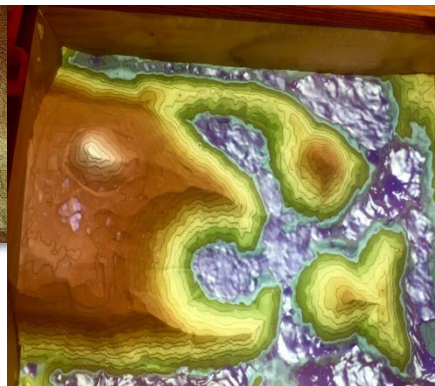


Do you have what it takes to be an educational genius? Want to showcase your learning, video, or editing skills? Then this contest is for you!

Create a 3-10 minute lecture on any topic that you choose (geography, topography, water cycle, hydrology, geology, planning, etc.) that uses our augmented reality sandbox in 412 Cooper. Upload your video to YouTube and enter the URL on our entry form.

For more details visit: [bit.ly/cusandbox](http://bit.ly/cusandbox)

**412 Cooper, February 1 - 29**





# Services provided

- Gateway to high performance computing
- Geospatial data portal initiative
- 2 workshops/week – Certificate of attendance
- 7 classes supported per semester
- Software licensing for over 200 packages and cloud services
- Grant support and collaboration

**GIS DATA CREATION & MANAGEMENT**

Free hands-on workshop for students, faculty, and staff who want to learn:

- How to create your own GIS data
- How to import external data sources into GIS:
  - Images, photos, maps (jpeg, pdf)
  - Tabular data (Excel, CSV)

Registration: [bit.ly/gisregister](http://bit.ly/gisregister)

A poster for a GIS workshop. It features a map of the United States with a colorful grid overlay, a stack of papers, and a small globe. The text is in white and yellow on a dark background.


Interested in flying drones for your research? Join your colleagues at the Clemson Center for Geospatial Technologies to attend this webinar and share initiatives at Clemson!

**DRONES FLYING FREE 2016**

A virtual exploration of issues, insights and integration of unmanned aerial vehicles

February 17, 2016 10am-3pm  
406A Cooper Library

Webinar sessions:  
10-11, 12-1, 2-3.  
Clemson initiatives & discussion:  
11-12, 1-2

A poster for a drone webinar. It features a black drone with green lights flying against a sunset sky. The text is in white and yellow.

**CERTIFICATE OF ATTENDANCE**

This Acknowledges That

\_\_\_\_\_  
[Recipient Name]  
\_\_\_\_\_

Has Successfully Completed 21 Hours of Training In

1. Introduction to GIS (101)
2. GIS Data Creation and Management (102)
3. Working with tabular data (103)
4. Field Data Collection using GIS (104)
5. Introduction to Spatial Analysis (105)
6. Spatial statistics with GIS (106)
7. Introduction to ArcGIS Online and Story Maps (107)

Patricia Cabezas-Olea, Co-Director  
CGT

A certificate of attendance form with a yellow background and a map of the world. It includes a list of 7 GIS training topics and a signature line for Patricia Cabezas-Olea.

**SPATIAL STATISTICS**

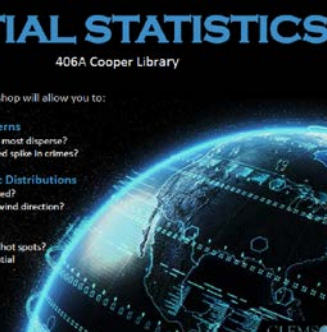
406A Cooper Library

This free hands-on workshop will allow you to:

- **Analyze Spatial Patterns**
  - Which tree species is most diverse?
  - Is there an unexpected spike in crimes?
- **Measure Geographic Distributions**
  - How are faults oriented?
  - What is the primary wind direction?
- **Identify Clusters**
  - Where are the crime hot spots?
  - Are there distinct spatial regimes of poverty?

Registration:  
[bit.ly/gisregister](http://bit.ly/gisregister)

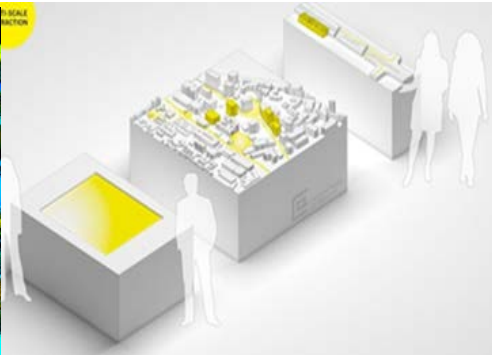
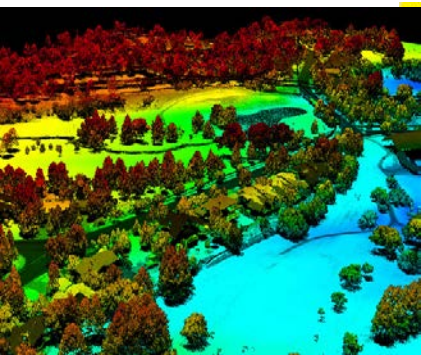
\*Basic knowledge of GIS required

A poster for a spatial statistics workshop. It features a blue globe with a map overlay and a network of lines. The text is in white and yellow.

# Next steps

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- Librarian “ambassador” program
- Virtual reality, 3D environment
- Exhibit space, 3D printer
- Drone program
- Research Bazaar, Hackathons & Datafest

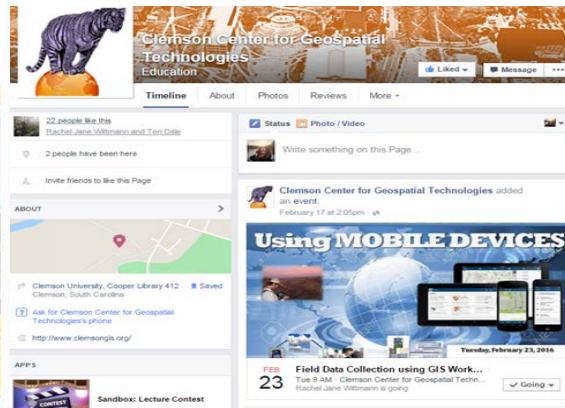


# Lessons Learned

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- **Communication** – partners, community
- **Partnerships**
- Outreach & marketing – social media, website
- Follow up: consultations/office hours
- Hands-on vs. online
- **Support from upper management**

Schedule a consultation!



# Future Vision

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- Continue to look for opportunities for growth and partnerships
- Centralize services
- Expand, improve, or move existing spaces
- Develop sustainability model



# Questions?

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- **Patricia Carbajales-Dale**

*Co-Director, Clemson Center for Geospatial Technologies*

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- **Christopher Vinson**

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