



Tech Trends Shaping the Future of Academic Libraries

David Lee King | digital services director, tscpl.org



*Emerging
Trends =
Not slowing
down*



1.

Smart Machines





nest

78

IN 25 MIN

21



Drones in Geosciences + Makerspace Technology to support UAV research



New to drone technology? Join us for a hands-on introduction to unmanned aerial systems (drones) and their use in image/data acquisition by Dr. Sergio Bernardes on **Wednesday, April 10th from 12pm-1:30pm in room 382 in the Science Library**. This presentation will also include an overview of Makerspace technologies used to support drone research at UGA and a tour of the Science Library Makerspace.

Attendees of this workshop will have the opportunity to win flying a drone at an off-site location (10-15 minute drive from UGA); planned for Friday 4/12, weather permitting.

Topics covered:

- drones and drone technology
- cameras and other sensors
- preparation for flight, including flight planning
- how to fly a drone
- image acquisition in the visible and non-visible regions of the electromagnetic spectrum
- image processing
- positional accuracy
- regulations and FAA certification

Dr. Sergio Bernardes is an FAA Certified Remote Pilot with 30 years of experience in geospatial technologies, including remote sensing, image processing, Geographic Information Systems and software development for the geospatial field. He is a former NASA fellow and is currently an Adjunct Assistant Professor in the Department of Geography and the Associate Director for the Center for Geospatial Research (CGR) at UGA.

The workshop is sponsored by the Center for Geospatial Research at the Department of Geography at UGA and UGA Libraries

Related LibGuide: [Science Library Makerspace by Andrew Johnson](#)

More events like this...

June 2019						
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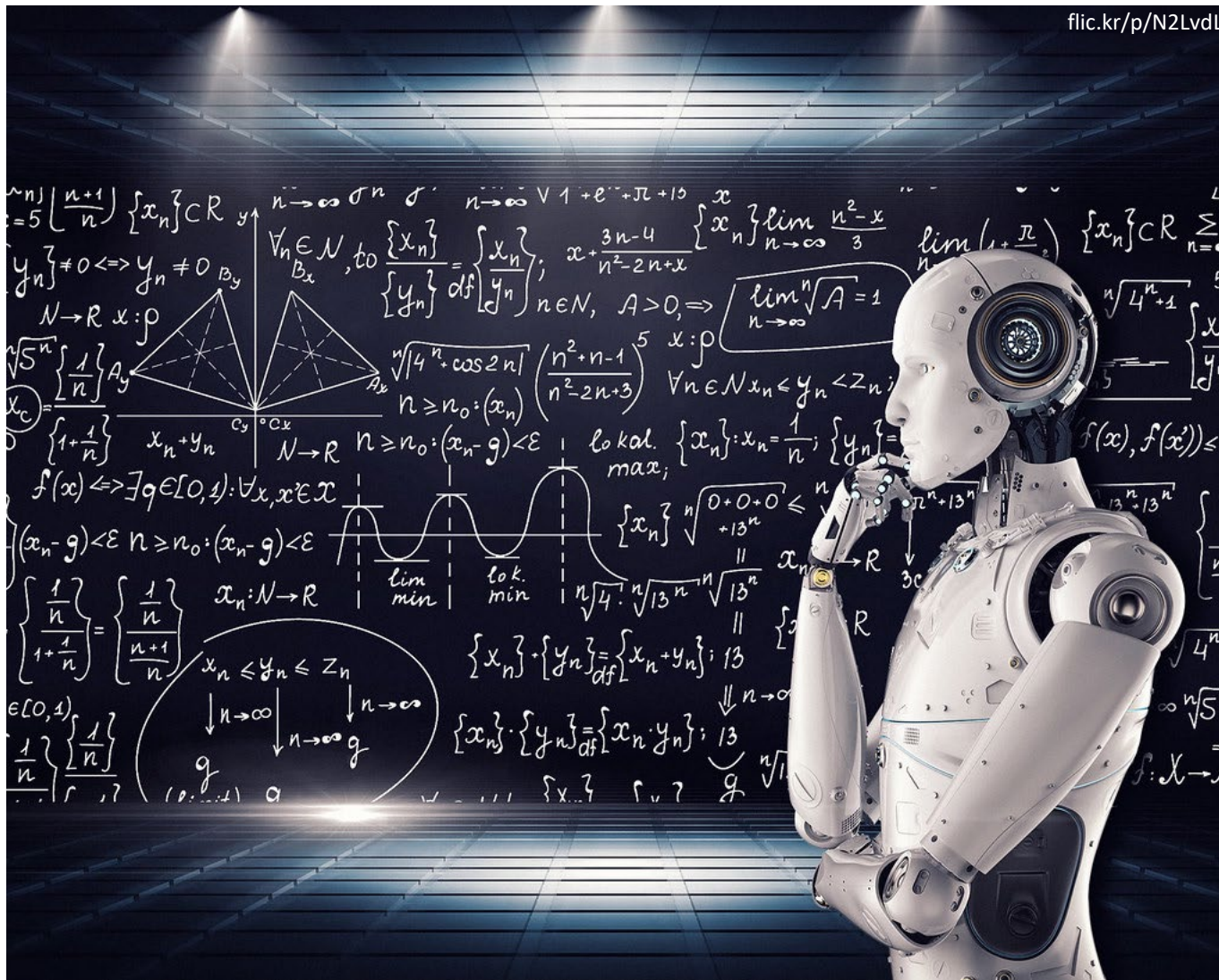
Upcoming Events:

[Penley & Poppies: Art Auction to Benefit UGA Libraries](#)
Friday, June 14, 2019 6:00pm

Date: Wednesday, April 10, 2019

2.

Artificial Intelligence





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Artificial Intelligence

Artificial Intelligence



Library AI Initiative

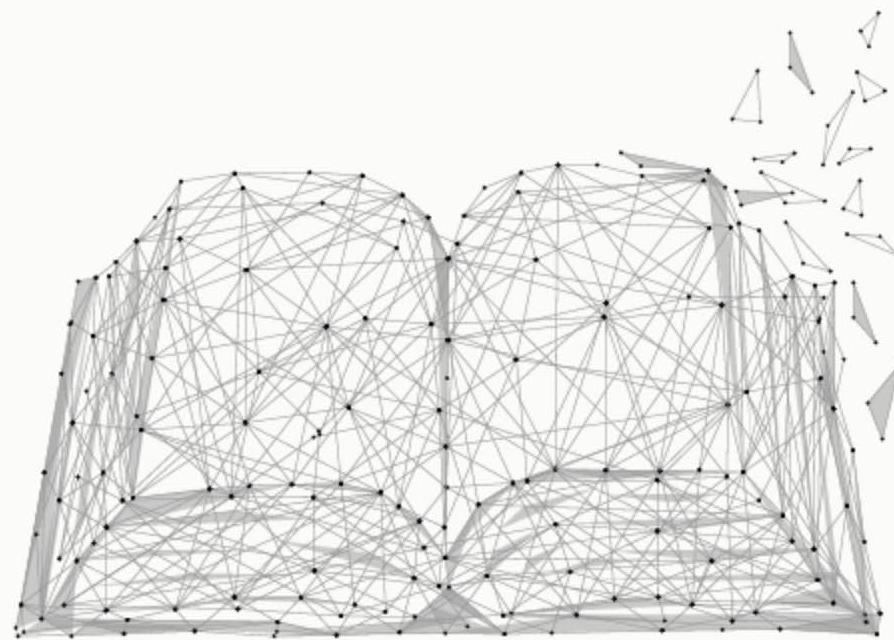
About

Events



SUL AI Studio

Library AI Conversations



The Library AI initiative at Stanford, which began in fall quarter 2017, is a program to identify and enact applications of artificial intelligence—machine perception, machine learning, machine reasoning, and language recognition—that will help us make our rich collections of maps, photographs, manuscripts, data sets and other assets more easily discoverable, accessible, and analyzable for scholars.



Automating the library



3. *Immersive Tech*



Virtual and augmented reality devices

+ Epson Moverio

+ Google Glass

+ Oculus Rift Developer Kit 2

+ Leap Motion Controller

Project kits

+ Arduino Project Kit

+ Kano Computer Kit

4.

Media Labs & Makerspaces



[flic.kr/p/poxjNB](https://www.flic.kr/p/poxjNB)



RODLIBRARY
University of Northern Iowa
Discover • Connect • Succeed
Today: 7am to 5pm More hours

Discover | Connect | Succeed
We're here to help make your university experience successful and enjoyable...How can we assist you today?



- Services
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Home ► Library Spaces

Live Chat Offline Google™ Custom Search Search

Makerspace



- Description
- Map
- Equipment
- Calendar
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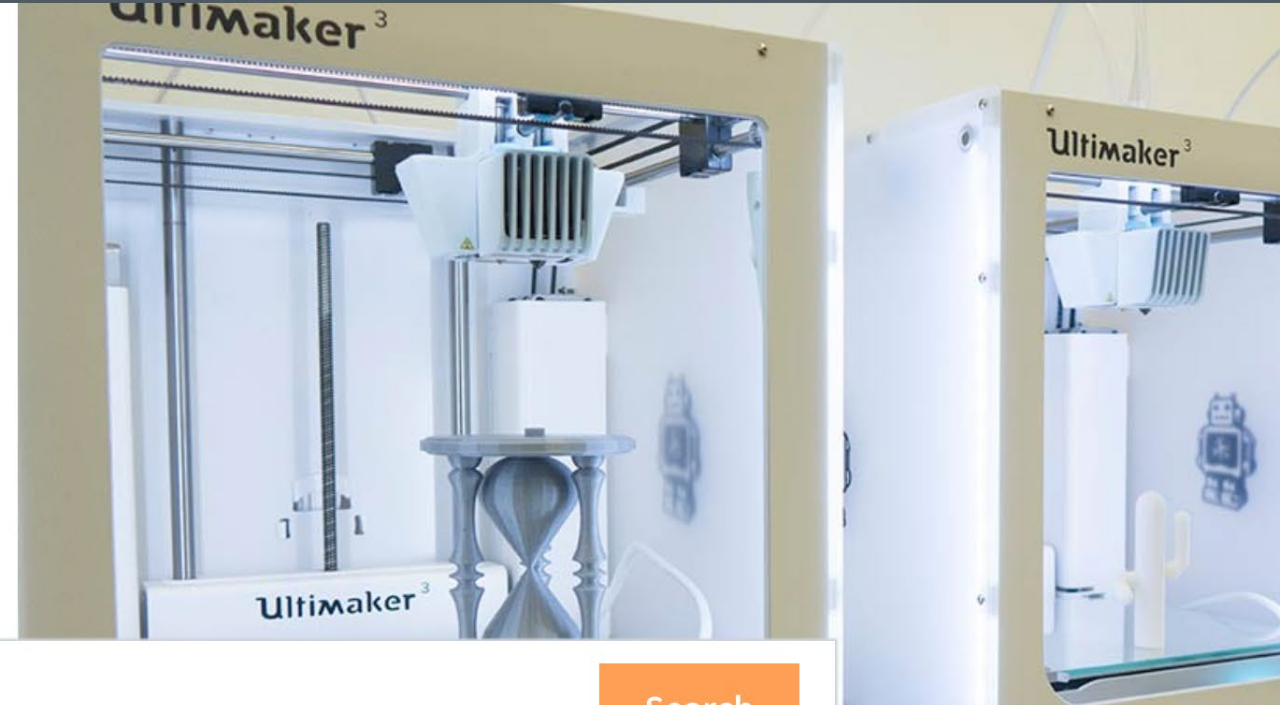
The Makerspace area, in the northeast corner of the main floor, is designed for collaborative building projects, maker meetings, and arts and crafts projects. It is normally open to the public, but you can reserve the Makerspace for special activities if desired.

Creative Studio

3D Printing

creativestudio@miami.edu

- 3D Print Order Form
- Full 3D Printing Policy (pdf)
- Watch Ultimaker 3 in action



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The 3D printing service is located at the Creative Studio in Richter Library. It is open to all current students and employees of the University of Miami. We are currently have Ultimaker 3 printers with PLA and PVA filament.

The [Ultimaker 3](#) is a higher end printer with higher resolution and dual extrusion.



MEDIA LAB

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MEDIA LAB

Faculty, staff, and students can produce presentations, interviews and more with the touch of a button. Additional features include the ability to replace the background using green screen technology (minor video editing required), or display a PowerPoint or other video source on a presentation screen.



5.

Privacy



Amazon reportedly employs thousands of people to listen to your Alexa conversations

By Jordan Valinsky, [CNN Business](#)

Updated 2:38 PM ET, Thu April 11, 2019



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Office DEPOT



Privacy Literacy Training

Teaching NYC librarians how information travels and is shared online, common risks encountered online by users and the importance of digital privacy and literacy.



The Digital Privacy and Data Literacy Project (or “Data Privacy Project”) teaches NYC library staff how information travels and is shared online, what risks users commonly encounter online, and how libraries can better protect patron privacy. Its trainings help support libraries’ increasing role in empowering their communities in a digital world. Funded by the Institute of Museum and Library Services, the project is led by a team of library professionals, researchers, tech experts, and community activists interested in the impact of technological advances on everyone, especially the most vulnerable populations in the U.S.

*What does this
mean for the
library?*



Thanks!

Davidleeking.com

