LOUISIANA TECH UNIVERSITY

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Dear CREWE Workshop Attendee:

I'm so glad to welcome you to Louisiana Tech University's CREWE: Cyber Research for Empowering Women Experimenters workshop at the Academic Success Center in Bossier City on March 2 – 5, 2019. The first session of the workshop will begin on Saturday, March 2, at 9:00 am sharp. Within this "Quick Information Packet", I'm hoping that you will find all the information that you would like to know about the upcoming workshop, including *Transportation*, *Hotel and Registration*, *Laptop and SW Installation*, *Workshop Venue & Catering*, and *Schedule of Events*. For additional up-to-date information, please visit the CREWE webpage at the following link:

http://coes.latech.edu/crewe

In preparation for the workshop, please spend a few minutes to respond to our **pre-survey** by Friday, March 1. This is voluntary and confidential, and used as a measure of our overall program outcomes. You'll be asked to repeat the survey at the end of the program. How you experience and view this program is important to us, and we value your opinion.

https://uncccci.az1.qualtrics.com/jfe/form/SV_cwjLNfsl1iJFGp7

For other questions prior to the event, you may call me at (318)257-2919 or e-mail me at droz@latech.edu. I'm looking forward to seeing all of you at the workshop!

Sincerely,

Benjamin Drozdenko, Ph.D. ("Dr. Droz")
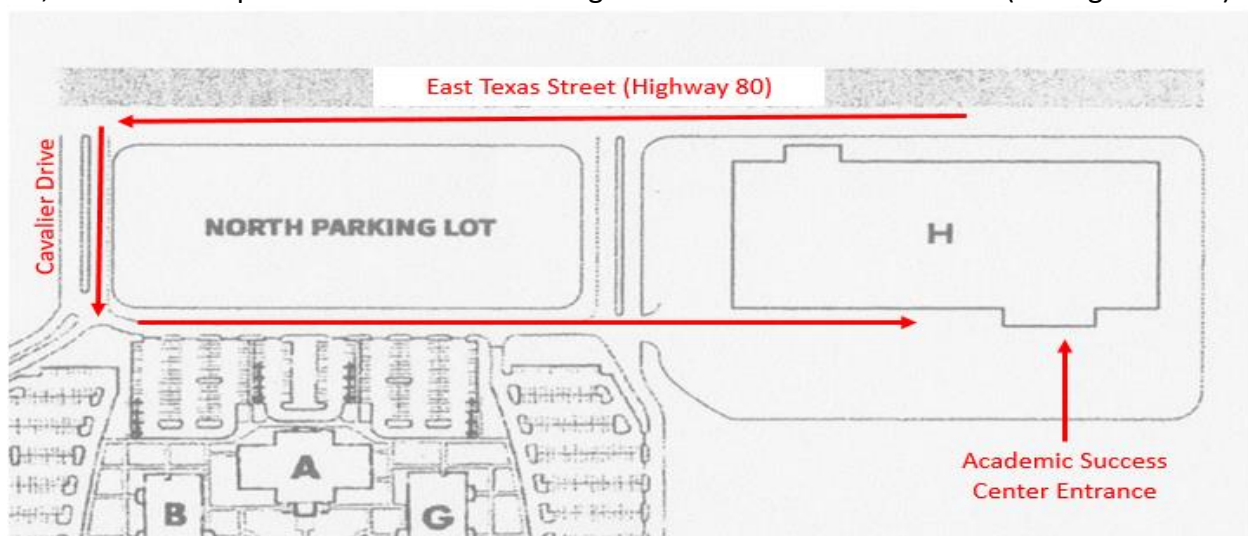Assistant Professor of Cyber Engineering and Computer Science

Transportation

Student attendees who have their own vehicles are welcome to drive to the hotel and to the workshop venue themselves. The Louisiana Tech University Academic Success Center (ASC) is located on the campus of Bossier Parish Community College (BPCC). The general address is:

6220 East Texas Street
Bossier City, LA 71111

This address takes you to the main parking lot/area of BPCC by directing you to turn from East Texas Street onto Cavalier Drive. To get to the Academic Success Center from the BPCC parking lot, follow the map below to arrive at Building H where the Center is located (see Fig. 1 below).

Figure 1: Driving to the Academic Success Center When on the BPCC Campus

The front/entrance of the Academic Success Center/entry to LATUSS appears in Fig. 2 below.

Figure 2: Front Entrance of Academic Success Center/Location of LATUSS

You can park in any of the spots around the Center. If you cannot find a space near the Center, you can park in any lots on BPCC campus (the lots you drove through to get to the Center).

When you arrive at the ASC on Saturday morning, go to the registration desk; there, you will receive a **parking pass** for you to keep in your vehicle.

If you're coming from ULM, LA Tech, or GSU…

For students traveling from University of Louisiana at Monroe (ULM), Louisiana Tech University (LA Tech), and Grambling State University (GSU), there will be a **complimentary (free) bus** provided by Mayo Tours (**http://mayotours.com/**) to take you to the Hotel on the afternoon of Friday, March 1, and back to your campus from the workshop venue on the evening of Tuesday, March 5.   Here are the planned details of the itinerary and some estimated times of departure/arrival:

Departure: Friday, **March 1**, 2019.

- 1:00-1:15 pm: Arrive at/Leave University of Louisiana at Monroe, Monroe, LA
- 2:30-2:45 pm: Arrive at/Leave Louisiana Tech University, Ruston, LA
- 3:00-3:15 pm: Arrive at/Leave Grambling State University, Grambling, LA
- 4:00-4:15 pm: Arrive at SpringHill Suites by Marriott Shreveport-Bossier City/Louisiana Downs, 8010 E Texas St., Bossier City, LA: **https://goo.gl/maps/aZc5goQJZnp**

Pick-up Locations:

- **ULM:** ULM students will park their cars near the fence at University Police in Filhiol Hall. The bus should pick them up in that parking lot. The address is **3811 Desiard Street, Monroe**, LA 71209. [Google Maps Link]. It is at the corner of University Ave and Desiard St, on the edge of campus.
- **LA Tech**: LA Tech students should meet in front of Nethken Hall, 501 Dan Reneau Dr, Ruston, LA 71270. At the corner of Dan Reneau and College St, there is a patch on the side of the road marked by diagonal white lines. [Google Maps link]. Look for parking cones here placed by Campus police.
- **GSU**: GSU students should meet in front of Carver Hall, Johnson Street, Grambling State University. [Google Maps link]. For directions, see the map image at right:

Return: Tuesday, **March 5**, 2019.

- 5:00-5:15 pm: Leave the Louisiana Tech University Academic Success Center, BPCC Bldg H, 6220 E Texas St., Bossier City, LA: **https://goo.gl/maps/m1rRiD46i652**
- 6:00-6:15 pm: Arrive at/Leave Grambling State University, Grambling, LA
- 6:30-6:45 pm: Arrive at/Leave Louisiana Tech University, Ruston, LA
- 8:00-8:15 pm: Arrive at/Leave University of Louisiana at Monroe, Monroe, LA

Shuttle from Hotel to Workshop Venue and back:

A complimentary shuttle provided by Twin City Express (**twincityexpress@att.net**) can take you from the hotel to the workshop venue on each morning of the workshop (Monday, Tuesday, Wednesday, Thursday), and back to the hotel every evening. The anticipate shuttle schedule is:

- Each day, 4 trips in the morning: 8:15, 8:30, 8:45, 9:00 am (at the latest)
- Each day, 3 trips in the evening, 5:15 (at the earliest), 5:30, 6:00 pm

Hotel and Registration

All accepted attendees are invited to a 4-night stay at the following hotel:

SpringHill Suites by Marriott Shreveport-Bossier City/Louisiana Downs
8010 E Texas St
Bossier City, LA 71111
https://www.marriott.com/hotels/travel/shvsh-springhill-suites-shreveport-bossier-city-louisiana-downs/ [**Google Maps Link**].

If you're planning to stay here, please plan to arrive at the hotel on the evening of Friday, **March 1 between 4 pm and 8 pm**. If you're not planning to stay at this hotel, please notify Dr. Droz at least 24 hours beforehand. The CREWE workshop has reserved a block of 30 rooms for this event. Given the large number of attendees, you will be assigned to share a room with another attendee of the same gender, probably from your college. When you arrive, look for a "CREWE" banner and one of the organizers at a sign-in table. We will walk you through the registration process for both your room at the hotel and for the workshop, which includes a pre-event survey.

Each morning, attendees staying at the SpringHill Suites by Marriott may enjoy a complimentary (free) hot breakfast buffet each morning, including sausage, eggs, bacon, and more. Breakfast at the hotel is served starting at 7:00 am on Saturday and Sunday, and 6:00 am on Monday and Tuesday.

Laptop and Software Installation

Attendees who indicated that they have their own laptops are expected to bring their laptops to each day of the CREWE workshop. To expedite the pace of some of the activities, we highly encourage you all to install all the following software (SW) programs on your laptops:

1. NetworkMiner: https://www.netresec.com/?page=networkminer
2. CrypTool 2.1: https://www.cryptool.org/de/ct2-downloads
3. GNU Octave: https://www.gnu.org/software/octave/
4. Anaconda (with Python 3.7): https://docs.anaconda.com/anaconda/install/
5. Jupyter Notebook: https://jupyter.org/

If you do not have these programs installed before the workshop begins, you will have to install each of them during the workshop (and downloading them via Wi-Fi may be slow). For attendees who indicated that they **do not** have their own laptop, we will have up to 10 loaner laptops available for you to use. When you arrive at the ASC on Saturday morning, please ask the ASC IT representative Donny Dreher, or Dr. Droz, to provide one of these laptops. The loaner laptops will have these five SW programs installed on them already.

To participate in the Cloud-related activities, attendees are asked to create accounts at the following public Cloud websites:

1.) **Amazon Web Services (AWS)**: **https://aws.amazon.com/**
2.) **Google Cloud**: **https://cloud.google.com/**

We recommend that you do this as soon as possible, since it may take AWS up to 24 hours to validate the creation of your account. If you wait until the 1st day of the workshop to do this, your account may not be ready in time to participate in all the hands-on activities.

Workshop Venue and Lunch Catering

The workshop will be held at the Louisiana Tech University Academic Success Center (ASC) – Bossier City, 6220 E. Texas St., Building H, Bossier City, LA 71111:

> https://www.latech.edu/shreveport-bossier/academic-success-center/
> [Google Maps Link]

When you arrive, look for a "CREWE" banner; one of the organizers or the ASC staff will give you a name badge and direct you to the workshop classrooms on the 4th floor (rooms 428 and 429). If you did not register for the workshop at the hotel on Friday night, you will be asked to register and fill out the pre-event survey at this time. The workshop will take place from **9:00 am to 5:15 pm** each day, with a break for lunch from 12:00 to 1:00 pm.

Lunch: A complimentary (free) lunch will be provided, with catered by Shavers Catering (www.shaverscatering.com). Lunch will alternate between a fish fry (fried fish, fried catfish, jambalaya [chicken & sausages], hush puppies), and BBQ (grilled chicken, smoked sausage, baked beans, brisket). Vegetarian options will be provided each day (green beans, zucchini and squash, and pinto beans or corn, glazed carrots, and vegetable medley). Drinks: iced tea and water.

For breakfast, attendees staying at the Springhill Suites Marriot Hotel should take advantage of the free hot breakfast buffet each morning, including sausage, eggs, bacon and more. There won't be an evening meal presented at the Academic Success Center; attendees are free to explore Bossier City for dinner options.

Schedule of Events (anticipated; subject to change)

Friday, March 1, 2019
1:00-4:15   Mayo Tours Bus from ULM, LA Tech, and GSU to SpringHill Suites Hotel
4:00-8:00   Student Hotel Room Check-In
5:15-7:00   Meet with other Google CREWE workshop attendees and LA Tech grad students

Saturday, March 2, 2019
8:00-9:00   Shuttles from Hotel to Academic Success Center at 8:15, 8:30, 8:45, 9:00;
              Registration at ASC
9:00-10:00   Introduction & Keynote Address: **Katie Evans** (OWISE Director at LA Tech):
              Graduate School, Research, and the NSF Grad Fellowship
10:00-12:00 Research Workshop pt. 1: **Lily Pharris** (NSULA): Women and their Sense of
              Belonging in Computer-Related Post-Secondary Education Programs
12:00-1:00   Lunch
1:00-3:00   Research Workshop pt. 2: LA Tech Ph.D. Students. 1:00-2:00: **Ayesha Akter**: CNN
              with RStudio; 2:00-3:00: **Shristi Shrestha**: Smart Cities with IoT Devices
3:15-5:15   Research Workshop pt. 3: **Vivya Kalidindi**, mentored by **Pradeep Chowriappa**
              (LA Tech): Machine Learning with Beacon technology for Location Tracking
5:15-6:00   Shuttles from Academic Success Center to Hotel at 5:15, 5:30, 6:00

Sunday, March 3, 2019
8:00-9:00   Shuttles from Hotel to Academic Success Center at 8:15, 8:30, 8:45, 9:00
9:00-10:15   Research Workshop pt. 4: **Kriti Chauhan** and **Peggy Lane** (University of Louisiana at Monroe): Ethical Dilemmas in Information Systems
10:15-10:30 Break
10:30-12:00 Research Workshop pt. 5: **Prasanthi Sreekumari** (Grambling State University): Information Assurance and Security
12:00-1:00   Lunch and **Panel**: An opportunity for attendees at lunch to ask any questions about graduate school to presenters
1:00-3:00   Research Workshop pt. 6: **Lorraine Jacques** (LA Tech COES/College of Education): Cyber Education: An Evaluation of Challenge-based Learning
3:15-5:15   Research Workshop pt. 7: **Jennifer McCoy** (Bossier Parish Community College): Introduction to and Challenges of Cloud Computing
5:15-6:00   Shuttles from Academic Success Center to Hotel at 5:15, 5:30, 6:00

Monday, March 4, 2019
8:00-9:00   Shuttles from Hotel to Academic Success Center at 8:15, 8:30, 8:45, 9:00
9:00-11:00   Research Workshop pt. 8: **Anna White** (LTRI: Louisiana Tech Research Institute): Word Sleuths: Authorship Attribution with Natural Language Processing
11:00-12:00 Form Presentation Part 1: **Ramu Ramuchandran**: Oral and Poster Presentations
12:00-1:00   Lunch and Panel
1:00-2:00   Research Workshop pt. 9: **Sarah Mathew** (LA Tech): Text Generation using Recurrent Neural Network (RNN)
2:00-3:00   Form Presentation Part 2: **Malveeka Tewari** (Google): Navigating Graduate School
3:15-4:45   Research Workshop pt. 10: **Michele Maasberg** (LA Tech CIS): Cyber Security: Risk Analysis and Pen Testing
4:45-5:15   Form Presentation Part 3: **Ben Drozdenko** (LA Tech): Collecting and Visualizing Result Data in Octave / MATLAB; Team Project pt. 1
5:15-6:00   Shuttles from Academic Success Center to Hotel at 5:15, 5:30, 6:00

Tuesday, March 5, 2019
8:00-9:00   Shuttles from Hotel to Academic Success Center at 8:15, 8:30, 8:45, 9:00
9:00-9:30   Form Presentation Part 4: **Kimlin Hall** and **Samantha Bailey** (LA Tech): Applying to Graduate School, Q&A
9:30-12:00   Team Project pt. 2
12:00-1:00   Lunch and Panel
1:00-3:00   Team Project Presentations
3:15-4:30   Closing Address: **Sumeet Dua** (Associate VP for Research and Partnerships at LA Tech): Finding a Research Opportunity -- Wrap-up and Farewell. Interaction with Industry Partners, Domain Experts, and Advising with Enrollment Specialists.
5:00-5:15   Mayo Tours Bus from Academic Success Center to GSU, LA Tech, and ULM.
5:15-6:00   Shuttles from Academic Success Center to Hotel at 5:15, 5:30, 6:00

FAQ (frequently asked questions)

1.) **Is there a bag limit?** No, please take as much as you can comfortably carry yourself.
2.) **Is there a dress code?** There is no official dress code. Dr. Droz recommends business casual for students, since this will be a good networking opportunity, but students may wear whatever they feel appropriate. Most faculty presenters are expected to dress business formal.
3.) **Where will the bus pick me up from campus on Friday afternoon?** On ULM campus, the Mayo Tours bus will be at 3811 Desiard St at around 1:00-1:15 pm. On LA Tech campus, the bus will be in front of Nethken Hall at 501 Dan Reneau Dr at around 2:30-2:45 pm. On GSU campus, the bus will be in front of Carver Hall on Johnson St at around 3:00-3:15 pm. For more information, see the Transportation section.
4.) **Should I take my bags on the last day of the workshop?** If you're staying at the Springhill Suites Marriott hotel in Bossier City, you should check out of your room on the morning of Tuesday, March 5, and take your bags with you to the workshop venue (the ASC). You can leave your bags in a space on the 1st floor of the ASC, and when the bus comes to take students back to their college campuses at 5:00 pm, you can load your bags at that time.
5.) **Do I need to stay at the hotel if I live in or near Bossier City?** No, the hotel rooms are only for students visiting the Bossier area from out-of-town. If you're not planning to stay at the hotel, please e-mail Dr. Droz at droz@latech.edu to let him know. You'll miss the free breakfast at the hotel, but we should have coffee and some pastries available in the morning at the ASC.
6.) **What will I be asked to do for the Team Project?**

During the workshop, attendees should pay close attention to the research presentations and take notes, with the intent to decide upon which project topic they would like to explore and with which team mentor they'd like to collaborate at the end of Day 3. An initial list of team project ideas and their associated Crewe Facilitators follows:

a. Katie Evans: Bolstering the Participation of **Women in Graduate School**
b. Lily Pharris: Building a Sense of **Belonging** in **STEM**
c. Shristi Shrestha: Utilizing the Cloud for Improving **IoT**-based **Smart Cities** Services
d. Pradeep Chowriappa: Improving **Location Tracking** with **Google Beacon** & ML
e. Kriti Chauhan: Exploring **Policy Noncompliance** in **Information Systems**
f. Prasanthi Sreekumari: Assessing & Protecting Networks with **NetworkMiner** & **CrypTool**
g. Lori Jacques: Cyber **Education**: Evaluating **Challenge-Based** Learning (w/ recorders)
h. Anna White: Collecting Data and Applying **Stylometry Techniques** with **Anaconda**
i. Sarah Mathew: Using Recurrent **Neural Networks** with Google **Tensorflow**
j. Michele Maasberg: Performing **Risk Analysis** and **Penetration Testing**

Attendees will need to finally decide upon their project team members (a.k.a. their "*Crewe*"), their project topic, and their desired team mentor by the end of the last presentation on Day 3 at 4:15 pm. At 4:15, Dr. Droz will record these teams, introduce each team to their mentor, and direct them to a break-out room where they will assign tasks to perform for their project for the presentation on Day 4.

On Tuesday (Day 4), after the morning presentation from LA Tech CoES graduate studies office, Dr. Droz will share his CREWE workshop PowerPoint template and introduce the format of their ~10-minute project presentations: (1) Introduction & Problem Statement, (2) Background & Related Work, (3) Methods & Algorithms, (4) Experiments & Results, and (5) Conclusions. Then, the teams will meet with their project mentors to develop their research plan and create their PPT slides, breaking for lunch from 12-1 pm. From 1-3 pm, each team will deliver its presentation, detailing their research plan and any preliminary results they can report at this stage. Local industry leaders will be present to observe these presentations and discuss these topics with the attendees after the closing remarks at 4:15 pm.