Hello Hokies! This week’s newsletter features research opportunities relating to Communication (Youtube), Women's Health and Cancer Research Disparities, and Energy Sector and Climate Issues, as well as funding opportunities for Sustainability Research and Projects, and Technology Startup. This newsletter also features four professional development programs relating to the topics of Security, Privacy, and Trust, Gender Transformative Approaches in Aquatic Food Systems, VT Transportation Institute’s Research, and Hazard Risk and Mitigation.

Let us know what you think about the newsletter by taking a quick survey at the end of the newsletter! (5 minutes read)

In today’s edition:

1. **OUR Office Bulletins**
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   - Summer Undergraduate Fellowship program
   - Regional Energy Innovators Internship at the Pacific Northwest National Laboratory

3. **Scholarship & Fellowship & Funding**
   - Keesee Sustainability Grant
   - CCI Cyber Acceleration (Catapult) Fund

4. **Professional Development**
   - Security, Privacy, Trust Speaker Series Presents Heng Xu
   - Webinar to Examine Gender Transformative Approaches in Aquatic Food Systems
   - Research Development Series: Collaborative Partnerships with the Virginia Tech Transportation Institute
   - Third Annual Virginia Tech Hazard Research Day
   - Commonwealth Cyber Initiative/Virginia Tech Transportation Institute Tech Showcase

5. **Presentation & Publication**

1.1 **Office Hours**
Office hours will be held virtually. You need to be logged into your VT Zoom account before opening the [link](#). (Personal ID number: 540 231 3580) The next three office hours will be: Friday, April 22, 12:00 p.m.-1:00 p.m.
We can always be reached at ugr@vt.edu if you need help with undergrad research experience.

1.2 Student Ambassador Recruitment
Are you passionate about undergraduate research? Want to share that passion with other students? The Office of Undergraduate Research (OUR) is now accepting applications for its Ambassador program. This program will help to build student leadership skills and their resumes while providing crucial service to the OUR. Click here to learn more about the program.

2.1 Communications Students Needed to Start a Science & Engineering YouTube Channel
The Assistive Robotics Lab in the Mechanical Engineering Department at Virginia Tech is looking for an undergraduate student to participate in a funded Research Experiences for Undergraduates (REU) position as part of a National Science Foundation project. Specifically, the position is to help create videos about exoskeletons, robotics, and human-robot interaction for a new YouTube channel. The goal for the videos is to explain these topics in an exciting, entertaining way to a broad audience; the videos will be fast-paced (similar to the editing style utilized by the Mr. Beast YouTube channel) and aimed at a slightly younger audience. Click here to learn more about the program. The deadline is May 15, 2022, 3:00 PM.

2.2 Summer Undergraduate Fellowship program
This program offers an educational and research opportunity to a full-time rising JUNIOR or SENIOR UNDERGRADUATE student attending a 4-year college or university who is interested in advancing women’s health and cancer research disparities and who is from an underrepresented or historically disadvantaged background. Click here to learn more about the program. The deadline is May 13, 2022, 4:00 PM.

2.3 Regional Energy Innovators Internship at the Pacific Northwest National Laboratory
In this competitive, paid internship, you will explore projects that broaden your understanding of clean energy science, innovation, and policy; build your research capabilities; and expand your professional network. It is a unique experience that will stand
out on your resume. Click here to learn more about the program. The deadline is May 2, 2022.

3.1 Keesee Sustainability Grant
This program provides a $2,000 grant for undergraduate research and projects regarding sustainability and conservation. The grant is hosted by the Fusion Studio in the University Libraries Newman Library. Click here to learn more about the program. The deadline is April 22, 2022.

3.2 CCI Cyber Acceleration (Catapult) Fund
This opportunity is open to any Virginia startup or faculty member interested in developing technology as a company. Click here to learn more about the program. The deadline is April 29, 2022.

4.1 Security, Privacy, Trust Speaker Series Presents Heng Xu
Heng Xu will give her talk, “The Future of Privacy Research: Lessons from Artificial Intelligence and Machine Learning,” as part of the Pamplin College of Business Security, Privacy, and Trust Speaker Series. This event will take place in Pamplin 1045 on April 15, from noon to 1 p.m. For a Zoom link, please email sheasw@vt.edu. Click here to learn more about the program.

4.2 Webinar to Examine Gender Transformative Approaches in Aquatic Food Systems
A researcher studying gender relations within the livelihoods of aquaculture-dependent communities in Bangladesh will be the featured speaker in the next Women and Gender in International Development Virtual Discussion Series. Click here to learn more about the program.

4.3 Research Development Series: Collaborative Partnerships with the Virginia Tech Transportation Institute
As part of its Research Development Series, the Office of Research and Innovation is hosting an event for Virginia Tech researchers to learn about the Virginia Tech Transportation Institute's structure, operations, work with contracts and grants, pace, and
funding mechanisms for mutually beneficial research and development growth. Click [here](#) to learn more about the program.

### 4.4 Third Annual Virginia Tech Hazard Research Day
The third annual Virginia Tech Hazard Research Day will be held **from 8:30 a.m. to 5:30 p.m. on April 22** in the Steger Conference Center on the Blacksburg campus. Click [here](#) to learn more about the program.

### 4.5 Commonwealth Cyber Initiative/Virginia Tech Transportation Institute Tech Showcase
Click [here](#) to learn more about the program.

### 5. Presentation & Publication
- **Call for Papers "Russia-Ukraine War: Exploring the Social, Economic, and Legal Impacts of the Energy Crisis"** - La Nouvelle Jeunesse
- **International Symposium of NALMS** - North American Lake Management Society
- **Open Science Policies as an Accelerator for Achieving the Sustainable Development Goals** - Journal of Science Policy & Governance

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You received this message because you are subscribed to the Google Groups "undergraduateresearch-g@vt.edu" group. To unsubscribe from this group and stop receiving emails from it, send an email to undergraduateresearch-g+unsubscribe@vt.edu.
1.1 Office Hours

Office hours will be held virtually. You need to be logged into your VT Zoom account before opening the link. (Personal ID number: 540 231 3580) The next and the last office hours of the semester will be:

Wednesday, April 27, 9:00 a.m.-10:00 a.m.

We can always be reached at ugr@vt.edu if you need help with undergrad research experience.

1.2 2022 Dennis Dean Undergraduate Research and Creative Scholarship Conference

The conference will be held on this Friday, April 29, 2022. For over ten years, this conference has offered undergraduates the opportunity to gain experience communicating their work while engaging faculty and other students. This year, the conference will be held at Squires Student Center Commonwealth Ballroom B, from 8 am to 5 pm. Learn more about the conference, schedule, and how to access the conference site on the conference website. The event is free and open to the campus community.
2.1 Research Collaboration & Engagement (RCE) Department Projects Assistant

The RCE Department Projects Assistant will primarily assist in supporting special projects within the department. This includes researching new software, describing features of new databases, and supporting faculty and student research information gathering and research projects. Click here to learn more about the program. The deadline is June 22, 2022, at 5:00 PM.

2.2 VT Transportation Institute Research Assistant

On-road experimenters are tasked with setting up the Smart Road or VTTI facilities for a human participant research study, presenting experimental conditions during the session, and cleaning up/preparing for the next session once data collection is completed. Responsibilities could also include assisting our Research Specialists with data reduction tasks, constructing experimental components, and developing the software needed prior to data collection. These tasks are typically performed during the day on an as-needed/as-available basis. Click here to learn more about the program. The deadline is April 22, 2022, at 12:00 AM.
2.3 VT Transportation Institute Data Reductionist**

The job involves working in our computer labs to review and analyze driving data and video collected in various research projects while assessing data quality, and/or documenting driver behavior, road conditions, etc. following detailed protocols.

Click here to learn more about the program. The deadline is **May 4, 2022, at 11:55 PM.**

2.4 VT Health & Safety Assistant**

VT Enterprise Administrative and Business Services is looking for a student worker interested in chemical fume hood testing. The applicant will be trained to check air flow on fume hoods using an anemometer and smoke machine as appropriate. This includes taking measurements, recording data, and transferring results to EHS personnel for database updates. The position will also include assisting the Laboratory Inspection group with Emergency Shower testing as needed. Click here to learn more about the program. The deadline is **May 11, 2022, 5:00 PM.**
3.1 Research Technician for Germ Cell Development - Yamashita Lab**

In this role, you’ll have the opportunity to work on the mechanisms of germ cell development using Drosophila as a model system. Through working closely under the supervision of the Principal Investigator and a postdoctoral fellow, you will perform a variety of research activities, including fluorescence microscopy, molecular biology, genetics, immunohistochemistry, and data analysis. Click here to learn more about the program. The deadline is July 2, 2022, at 11:55 PM.

3.2 2022 Fall Research REU at Bermuda Institute of Ocean Sciences:

Collaborative Marine Research

An REU internship at BIOS is a great way to gain the experience necessary to embark on graduate studies or careers in the marine and ocean sciences. Click here to learn more about the program. The deadline is May 31, 2022, at 10:55 PM.

3.3 Food Safety, Food Engineering and Nutrition REU at Illinois Institute of Technology

Technology
Are you an undergraduate student interested in exploring myriad opportunities in food safety, food engineering and nutrition? Food science is a STEM area which produces far fewer graduates than the available job opportunities. Would you like to undergo a rigorous mentoring and professional development training along with a paid research internship to fine-tune your skill sets required to help you to become successful scientists, engineers, and entrepreneurs? Click here to learn more about the program. The deadline is **Friday, May 6, 2022, by 5:00 PM CST.**

4.1 **Virginia Women in High-Performance Computing to host ‘Supercomputing for Everyone’ Virtual Event**

The research computing professionals will describe the available infrastructure and support resources with an overview of their home institutions’ HPC user base during this event. Challenges and learning curves involved in using HPC effectively will also be discussed. Click here to learn more about the program.

4.2 **Forest Landowner Extravaganza**
This event will take place concurrently with the Virginia Forestry Summit at the Inn at Virginia Tech from May 3 through May 5. Featured programs include 1) Preparing for Generation NEXT Legacy Planning (workshop), 2) Tree Identification and Forest Ecology at Pandapas Pond (walking tour), 3) Agroforestry Options at the Catawba Sustainability Center (walking tour), 4) Tour of Virginia Tech’s Urban Forest (walking tour). 5) Ongoing Research and Innovations in Forest Products (workshop). Click here to learn more about the program.

4.3 Activities Set for Earth Week, April 17-23

Virginia Tech is excited to celebrate Earth Week each April. There are always a lot of events to participate in, so please don’t hesitate to join in the fun! Click here to learn more about the program.

Let us know what you think about the newsletter by taking this quick survey!

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