



## Center for Informed Democracy and Social-cybersecurity (IDEaS)

### Summer Institute

June 3-5, 2023, hybrid, Carnegie Mellon University, Pittsburgh, PA

The IDEaS Summer Institute is an intense, hands-on training camp that teaches participants about the theories, methods, and tools to identify and combat disinformation, hate speech, and extremism online. This institute is aimed at graduate students, faculty, and personnel from industry, education and government who want to learn more about social-cybersecurity, an emerging field of research and policy.

This is an in-depth workshop on the state-of-the-art in social-cybersecurity. Topics covered include: how social media is used to spread disinformation, hate-speech and extremism online, types of technologies used to identify, combat, or measure the impact of these influence campaigns, and how communities can be more resilient in the face of such campaigns. Sessions will include seminars and technology demonstrations. Additional material for those who want to learn several of the key tools will be available.

Led by IDEaS Directors Dr. Kathleen M. Carley and Dr. Mark S. Kamlet, the Summer Institute will have options for both in-person or virtual participation, with some content exclusive to in-person attendees. Those who attend in-person will have the opportunity to use their own data, receive additional one-on-one instruction, and learn more about the research projects at our center. In-person attendees will also have breakfast and lunch provided on instruction days and have the ability to network with IDEaS Center faculty, staff and students as well as other participants.

#### Website for additional information:

[https://www.cmu.edu/ideas-social-cybersecurity/events/ideas-summer-institute\\_2023.html](https://www.cmu.edu/ideas-social-cybersecurity/events/ideas-summer-institute_2023.html)

#### Dates:

June 3-5, 2023

#### Agenda:

Forthcoming. Instruction will begin Saturday June 3<sup>rd</sup> at 9am US Eastern and conclude by 5pm US Eastern on Monday June 5<sup>th</sup>. A reception will be held the evening of the 5<sup>th</sup> for those who attended. All participants will be able to access recordings of presentations for a limited duration after instruction ends on June 5<sup>th</sup>.

## Curriculum:

The hands-on curriculum illustrates how to use these techniques to study social, organizational and policy issues.

## Topics Covered:

The effects of evolutionary adaptations on spreading processes in complex networks

Success in the Marketplace of Ideas

Efficient Over-time Analysis of Social Network Data Sets

Influencing truth: Exploring appeals that work when facts do not

Weaponized Information and the Science of Mental Immunity

Applying Social Psychology to Cybersecurity

## Software:

All participants will be given trial software, and a deep discount on the professional versions of the tools.

ORA <http://www.casos.cs.cmu.edu/projects/ora/>

Netmapper <https://netanomics.com/netmapper/>

## Faculty:

[Kathleen M. Carley](#), PhD, Carnegie Mellon University, Director of Center for IDeaS

[Rick Carley](#), PhD, Carnegie Mellon University, Electrical and Computer Engineering

\*Additional faculty TBA

## Who can participate?

Participation is open to graduate students, faculty, and personnel from industry, education, and government.

## Registration fees:

### **IDeaS Summer Institute (virtual access only)**

Industry: \$2,000.00

Government/Military (with ID): \$1,000.00

Faculty/Postdocs: \$800.00

Students: \$400.00

### **IDeaS Summer Institute (In-person access only)**

Industry: \$2,500.00

Government/Military (with ID): \$1,250.00

Faculty/Postdocs: \$1,250.00

Students: \$925.00

### **Registration:**

Registration is open. Visit the event website at [https://www.cmu.edu/ideas-social-cybersecurity/events/ideas-summer-institute\\_2023.html](https://www.cmu.edu/ideas-social-cybersecurity/events/ideas-summer-institute_2023.html).

### **Accommodations:**

On-campus accommodations will be available for in-person participants for an additional fee. Details and reservations will be available at the time of registration. Participants may also purchase parking passes at time of registration.

\*Please note: We accept checks, VISA and MasterCard for payment. Please make checks out to Carnegie Mellon University.

### **Registration Scholarships:**

There are a limited number of scholarships for PhD students who are women and/or minorities from the US. Conference participants can apply for Graduate Student Scholarships during registration. Level of participation in the conference, need, and diversity will be considered when reviewing applications. Maximum scholarship awarded is \$300 to offset cost of attendance. Please email [centerforideas@andrew.cmu.edu](mailto:centerforideas@andrew.cmu.edu) for more information on how to apply.

### **CASOS Summer Institute:**

The IDeaS Summer Institute will immediately follow the [CASOS Summer Institute](#), a weeklong workshop that provides intense hands-on introduction to network analysis and visualization from a combined social-network, network-science, link-analysis and dynamic network analysis perspective. CASOS Summer Institute will be held June 5-11<sup>th</sup> and participants will be able to register for one or both Summer Institutes at the time of registration.

**Website:** [http://www.casos.cs.cmu.edu/events/summer\\_institute/](http://www.casos.cs.cmu.edu/events/summer_institute/)

### **Registration fees to attend both events:**

#### **CASOS & IDeaS Summer Institute (virtual access only)**

Industry: \$3,500.00

Government/Military (with ID): \$2,000.00

Faculty/Postdocs: \$1,200.00

Students: \$600.00

**CASOS & IDeaS Summer Institute (In-person access only)**

Industry: \$4,800.00

Government/Military (with ID): \$2,250.00

Faculty/Postdocs: \$1,900.00

Students: \$1,300.00

**Pricing for one virtual and one in-person registration**

Industry: \$4,000.00

Government/Military (with ID): \$2,125.00

Faculty/Postdocs: \$1,700.00

Students: \$1,200.00

**About the Center for IDeaS:**

The Center for Informed Democracy & Social-cybersecurity (IDeaS) was founded at Carnegie Mellon University in 2019 with funding from the [Knight Foundation](#). Led by Co-directors Dr. Kathleen M. Carley and Dr. Mark S. Kamlet, the goal of the Center for IDeaS is to enhance social-cybersecurity to preserve and support and informed democratic society. The use of social media to harm ranges from individuals using it for cyber-bullying, to extremist groups recruiting members, to states using it to encourage polarization and unrest. As more of our lives move online, we are increasingly challenged by hate speech, disinformation campaigns and extremism. IDeaS brings together a community of scholars, practitioners, and policy-makers to develop new theories, applications, educational practices, and policies to foster an informed democratic society in a cybermediated environment. Follow us on [Facebook](#), [Twitter](#) and [LinkedIn](#) to be informed of seminars, conferences, and institutes hosted by the Center for IDeaS.