

# CAMP SCHEDULE

## DAY 1: MONDAY, JUNE 12, 2023

Proudly sponsored by:



### MIDDLE SCHOOL STUDENTS

112A Stright Hall (Unless Otherwise Noted)

### HIGH SCHOOL STUDENTS

107 Stright Hall (Unless Otherwise Noted)

9 AM - 9:50 AM

*Welcome Remarks by IUP President, Dean of KCSNM, Chair of Math & Computer Science Department, and Director of Institute for Cybersecurity*  
Camp Orientation and Logistics - Dr. Waleed Farag (HSS B2)

9:50 AM - 10 AM

BREAK

10 AM - 10:50 AM

*Tour of the IUP Server Room and IUP Network Security Infrastructure*  
IUP IT Security Team

10:50 AM - 11 AM

BREAK

11 AM - 11:50 AM

Session 1.1  
*Programming: Ceasar Cypher Coding*  
Mr. David Sheeran

Session 1.1  
*Protecting your Network using Ad Blockers for Enhanced Security*  
Dr. Raj Ezekiel

11:50 AM - 1 PM

LUNCH BREAK

1 PM - 1:50 PM

Session 1.2  
*Programming: Ceasar Cypher Coding*  
Mr. David Sheeran

Session 1.2  
*Protecting your Network using Ad Blockers for Enhanced Security*  
Dr. Raj Ezekiel

1:50 PM - 2 PM

BREAK

2 PM - 2:50 PM

Session 2.1  
*Personal Cybersecurity with Think Like an Adversary Mindset*  
Ms. Jacqueline Gentile

Session 2.1  
*Security Achieved by Decentralization (I)*  
Dr. Xin-Wen Wu

2:50 PM - 3:10 PM

SNACK BREAK

3:10 PM - 4 PM

Session 2.2  
*Personal Cybersecurity with Think Like an Adversary Mindset*  
Ms. Jacqueline Gentile

Session 2.2  
*Security Achieved by Decentralization (I)*  
Dr. Xin-Wen Wu

# CAMP SCHEDULE

## DAY 2: TUESDAY, JUNE 13, 2023

Proudly sponsored by:



**MIDDLE SCHOOL STUDENTS**  
112A Stright Hall (Unless Otherwise Noted)

**HIGH SCHOOL STUDENTS**  
107 Stright Hall (Unless Otherwise Noted)

9 AM - 9:50 AM

Session 1.1  
*Top Cybersecurity Terms You Need to Know*  
Ms. Lori Baker

Session 1.1  
*Security Achieved by Decentralization (II)*  
Dr. Xin-Wen Wu

9:50 AM - 10 AM

BREAK

10 AM - 10:50 AM

Session 1.2  
*Top Cybersecurity Terms You Need to Know*  
Ms. Lori Baker

Session 1.2  
*Security Achieved by Decentralization (II)*  
Dr. Xin-Wen Wu

10:50 AM - 11 AM

BREAK

11 AM - 11:50 AM

Session 2.1  
*Automating Your Job: Making Things Faster with Code*  
Dr. Kevin Slonka

Session 2.1  
*Attacking Devices using an Evil Twin*  
Dr. Raj Ezekiel

11:50 AM - 1 PM

LUNCH BREAK

1 PM - 1:50 PM

Session 2.2  
*Automating Your Job: Making Things Faster with Code*  
Dr. Kevin Slonka

Session 2.2  
*Attacking Devices using an Evil Twin*  
Dr. Raj Ezekiel

1:50 PM - 2 PM

BREAK

2 PM - 2:50 PM

Session 3.1  
*Security Achieved by Decentralization*  
Dr. Xin-Wen Wu

Session 3.1  
*Automating Your Job: Making Things Faster with Code*  
Dr. Kevin Slonka

2:50 PM - 3:10 PM

SNACK BREAK

3:10 PM - 4 PM

Session 3.2  
*Security Achieved by Decentralization*  
Dr. Xin-Wen Wu

Session 3.2  
*Automating Your Job: Making Things Faster with Code*  
Dr. Kevin Slonka

# CAMP SCHEDULE

## DAY 3: WEDNESDAY, JUNE 14, 2023

Proudly sponsored by:



**MIDDLE SCHOOL STUDENTS**  
112A Stright Hall (Unless Otherwise Noted)

**HIGH SCHOOL STUDENTS**  
107 Stright Hall (Unless Otherwise Noted)

9 AM - 9:50 AM

Session 1.1  
*Computation Thinking*  
Ms. Jacqueline Gentile

Session 1.1  
*Whom Can We Trust? - Continuous Authentication*  
Dr. Xin-Wen Wu

9:50 AM - 10 AM

BREAK

10 AM - 10:50 AM

Session 1.2  
*Computation Thinking*  
Ms. Jacqueline Gentile

Session 1.2  
*Whom Can We Trust? - Continuous Authentication*  
Dr. Xin-Wen Wu

10:50 AM - 11 AM

BREAK

11 AM - 11:50 AM

Session 2.1  
*The Weakest Link - Social Engineering*  
Mr. David Sheeran

Session 2.1  
*Web Security with Adversary Mindset (II)*  
Dr. Raj Ezekiel

11:50 AM - 1 PM

LUNCH BREAK

1 PM - 1:50 PM

Session 2.2  
*The Weakest Link - Social Engineering*  
Mr. David Sheeran

Session 2.2  
*Web Security with Adversary Mindset (II)*  
Dr. Raj Ezekiel

1:50 PM - 2 PM

BREAK

2 PM - 2:50 PM

Session 3.1  
*Cybersecurity Threats and Trends for 2023*  
Ms. Lori Baker

Session 3.1  
*Integrity: Making Your Data Reliable*  
Dr. Xin-Wen Wu

2:50 PM - 3:10 PM

SNACK BREAK

3:10 PM - 4 PM

Session 3.2  
*Cybersecurity Threats and Trends for 2023*  
Ms. Lori Baker

Session 3.2  
*Integrity: Making Your Data Reliable*  
Dr. Xin-Wen Wu

# CAMP SCHEDULE

## DAY 4: THURSDAY, JUNE 15, 2023

Proudly sponsored by:



### MIDDLE SCHOOL STUDENTS

112A Stright Hall (Unless Otherwise Noted)

### HIGH SCHOOL STUDENTS

107 Stright Hall (Unless Otherwise Noted)

9 AM - 9:50 AM

Session 1.1  
*Generative AI: Opportunities and Threats in Cybersecurity*  
Ms. Joti Balani

Session 1.1  
*Enhancing Firmware Security*  
Dr. Raj Ezekiel

9:50 AM - 10 AM

BREAK

10 AM - 10:50 AM

Session 1.2  
*Generative AI: Opportunities and Threats in Cybersecurity*  
Ms. Joti Balani

Session 1.2  
*Enhancing Firmware Security*  
Dr. Raj Ezekiel

10:50 AM - 11 AM

BREAK

11 AM - 11:50 AM

Session 2.1  
*Pac-Man Treasure Hunt on the Terminal using Raspberry Pi*  
Ms. Lori Baker

Session 2.1  
*Generative AI: Opportunities and Threats in Cybersecurity*  
Ms. Joti Balani

11:50 AM - 1 PM

LUNCH BREAK

1 PM - 1:50 PM

Session 2.2  
*Pac-Man Treasure Hunt on the Terminal using Raspberry Pi*  
Ms. Lori Baker

Session 2.2  
*Generative AI: Opportunities and Threats in Cybersecurity*  
Ms. Joti Balani

1:50 PM - 2 PM

BREAK

2 PM - 2:50 PM

Session 3.1  
*From Animation to Deep Fakes*  
Ms. Jacqueline Gentile

Session 3.1  
*The Weakest Link - Social Engineering*  
Mr. David Sheeran

2:50 PM - 3:10 PM

SNACK BREAK

3:10 PM - 4 PM

Session 3.2  
*From Animation to Deep Fakes*  
Ms. Jacqueline Gentile

Session 3.2  
*The Weakest Link - Social Engineering*  
Mr. David Sheeran

# CAMP SCHEDULE

## DAY 5: FRIDAY, JUNE 16, 2023

Proudly sponsored by:



**MIDDLE SCHOOL STUDENTS**  
112A Stright Hall (Unless Otherwise Noted)

**HIGH SCHOOL STUDENTS**  
107 Stright Hall (Unless Otherwise Noted)

9 AM - 9:50 AM

Session 1.1  
*Exploring Programming with CS Academy*  
Ms. Lori Baker

Session 1.1  
*Dangers of Social Engineering and Phishing Attacks*  
Dr. Raj Ezekiel

9:50 AM - 10 AM

BREAK

10 AM - 10:50 AM

Session 1.2  
*Exploring Programming with CS Academy*  
Ms. Lori Baker

Session 1.2  
*Dangers of Social Engineering and Phishing Attacks*  
Dr. Raj Ezekiel

10:50 AM - 12:20 PM

LUNCH BREAK

12:20 PM - 2:30 PM

Session 2  
*End of Camp Competition*  
Ms. Lori Baker, Ms. Jacqueline Gentile, Mr. David Sheeran

2:30 PM - 2:50 PM

SNACK BREAK

2:50 PM - 4 PM

Session 3  
*Camp Conclusion, Post-camp Surveys, Certificate Awards*  
Dr. Waleed Farag