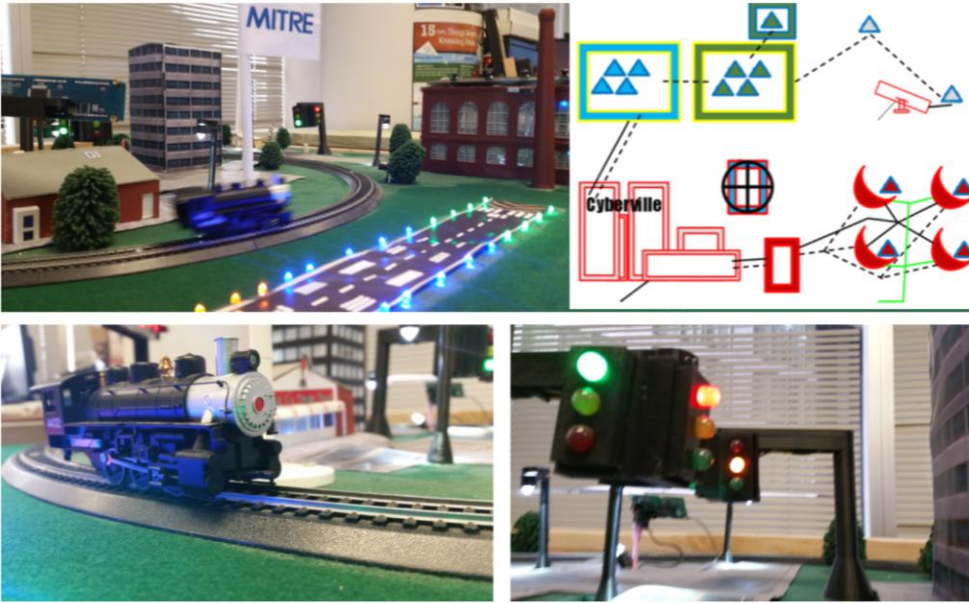# MITRE CTF
Capture the Flag Challenges

CORE
The core challenges test the competitors' knowledge of web technologies, binary exploitation, cryptography, networking, and digital forensics.

CYBERVILLE
The Cyberville challenges place the competitors in an IP - enabled model city where they must use their core cyber security skills to gain access to parts of city infrastructure.

ATTACK AND DEFEND
Competitors participating in the Attack and Defend challenges enter a sandboxed environment where rich networking and OS-based vulnerabilities are the main attack vector.

STAR WARS
Star Wars challenges emulate cyber vulnerabilities in space communications to demonstrate to competitors the cyber security measures that are needed to protect these systems.

MOBILE
These challenges test a competitor's skills of mobile application security through the process of building defenses into vulnerable apps in order to protect against attackers.

WHO:
High School and Undergraduate College Students

WHEN:
September 11, 3-11pm EST September 12, 7am-7pm

WHERE:
Everywhere across the internet in the United States.

Learn:
Fundamental cyber knowledge by using online resources from (ISC)²®.

Understand:
Binary exploitation, Web exploitation, forensics, cryptography, and so much more!

Practice:
Using Web resources and training challenges powered by the MTIRE Cyber Academy™.

Compete:
Against students in high school and undergraduate universities across the nation.

Win:
College scholarships, SSCP® Exam vouchers, priority consideration for a cyber internship, and other prizes.