

# CAST SUMMIT · 2011 *Washington DC*



**WORKSHOP** Aug 22-24 | **SEMINAR** Aug 25

**VENUE** Hyatt Regency Bethesda

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The all-new **EC-Council CAST Summit series** is created to make advanced security training opportunities available for information security professionals across the globe. The inaugural CAST Summit will be hosted in Washington DC in August.

## WORKSHOPS

Workshop attendees will get to choose from a suite of CAST workshops (3 days) which are highly technical and advanced, covering current and important security topics such as **penetration testing, cryptography, network defense, application security and mobile forensics**.

### CAST Workshops:

- **CAST 611 – Advanced Penetration Testing**
- **CAST 612 – Digital Mobile Forensics Deep Dive**
- **CAST 613 – Advanced Application Security**
- **CAST 614 – Advanced Network Defense**
- **CAST 615 – Cryptography Deep Dive**

## SEMINAR

The event concludes with a one-day security training seminar that will have 5 mini-lectures, and allows for participants to actually learn, and not just listen or be rushed through a short presentation like how its like in many other events or conference. This specially designed training seminar will have information security experts, most who are practitioners, give lectures covering key IT security topics such as:

- **Penetration Testing Methodologies**
- **Principles of Computer Forensics**
- **Web Application Security**
- **Effective Network Defense**
- **Introduction to Cryptography**

Our objective is for participants to acquire essential information security knowledge and skills that will be of value to their job functions, as well as for their career.

## WHY ATTEND?

CAST Summit will be the excellent platform for any IT security professionals to acquire cutting edge skills by embarking on the CAST workshops, or further enhance their IT security knowledge by attending the one-day seminar.

What's more, here is another avenue for participants to earn their required continuing education credits. Attendees will earn 8 ECE/CPE credits for every full day of their attendance.

## EVENT DETAILS AND PRICING

**WORKSHOP** Aug 22 – 24, 2011

**Venue** Hyatt Regency Bethesda  
One Bethesda Metro Center  
Bethesda, MD 20814

**SEMINAR** Aug 25, 2011

**Pricing** Workshop + Seminar Pass: \$2500  
Seminar Only Pass: \$199  
**Registration and Enquiries**

To register for CAST Summit Washington DC 2011 < [www.eccouncil.org/castsummit](http://www.eccouncil.org/castsummit) >

For more information or other enquiries, please email [cast@eccouncil.org](mailto:cast@eccouncil.org).

## CAST OVERVIEW

The rapidly evolving information security landscape now requires professionals to stay up to date on the latest security technologies, threats and remediation strategies. CAST was created to address the need for quality advanced technical training for information security professionals who aspire to acquire the skill sets required for their job functions.

CAST courses are advanced and highly technical training programs co-developed by EC-Council and well-respected industry practitioners or subject matter experts. CAST aims to provide specialized training programs that will cover key information security domains, at an advanced level.

## CAST TRAINERS

All prospective trainers for CAST courses are selected based on industry feedback and are put through a rigorous selection process by EC-Council experts. From instructional excellence to field experience in their expert domain, all criteria are carefully scrutinized and evaluated before they are conferred the prestigious EC-Council Master Trainer title.



### CAST 611: Advanced Penetration Testing Penetration Testing at a Different Level

**Advanced Penetration Testing (APT):** Pen Testing High Security Environments is a three-day highly intensive and technical program that focuses on attacking and defending highly secured environments.

The course starts with attacking heavily protected environments from the outside and dealing with Load Balancing, Deep Packet Inspection, and Network-Based IDS/IPS. Next is attacking web applications and dealing with common application security measures in PHP/ASP.NET, and Web Application Firewalls.

Then it moves on to attacking from the LAN, dealing with NAC solutions, locked down workstations/GPOs, and Host-Based IDS/IPS. Then finally the last section of the course covers gaining control of Active Directory.



#### Master Trainer Joe McCray

**Joe McCray** has over 10 years of experience in the security industry with a diverse background that includes network and web application penetration testing, forensics, training, and regulatory compliance. Having performed hundreds of penetration tests assessing well over 250,000 hosts in the DoD, Federal, Financial, Gaming, Retail, and Hospitality industries – Joe's specialty is pentesting high security environments, and bypassing high end security systems.

Joe was awarded the EC-Council Instructor of the Year award for 2010, and was also a recipient of the EC-Council Circle of Excellence (Instructor) award for 2009.



### CAST 612: Digital Mobile Forensics Deep Dive A Different Perspective Into Mobile Forensics

**Digital Mobile Forensics Deep Dive:** This three-day highly advanced and technical course provides students with the knowledge and real world hands-on practical skills for performing Mobile Forensic Investigations. The course is based on vendor neutral Digital Forensic principals, with focus on Apple OS, Google Android, RIM Blackberry and an array of other mobile devices and operating systems.

This vendor neutral course will greatly benefit digital forensics investigators or first responders in the IT spectrum, as well as for those who are responsible for designing, securing, implementing and supporting new age smart mobile devices. This training will equip you with the advanced skills and knowledge required to preserve, extract and report on digital evidence retrieved from mobile devices.



#### Master Trainer Wayne Burke

**Wayne Burke** is constantly engaged in helping businesses optimize their systems security vision. He is acknowledged as an expert consultant and trainer serving large organizations with cutting edge IT security. His wide range of all product experience has helped to develop his overall systems security knowledge. Wayne has a passion for tracing malicious hackers in pursuit of which he has had to grapple with issues, which are inextricably entwined in meeting the everyday challenges of information systems security.

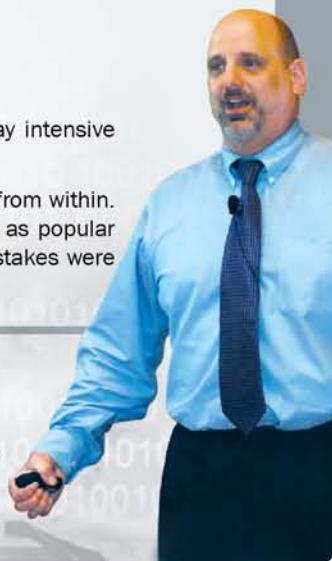


## CAST 613: Advanced Application Security

### Redefining Application Defense

**Advanced Penetration Testing (APT):** The Advanced Application Security course is a three day intensive course that will center on thwarting off attackers by defensively writing your code.

In this course, participants will discuss and learn new techniques for case hardening applications from within. Participants will be attacking applications from the web, off the shelf binary applications as well as popular runtimes such as .net, Java and even adobe AIR (In a legal and Ethical Way), and learn where mistakes were made and ensuring everything aspect of the principles of application security is in order.



#### Master Trainer Tim Pierson

**Tim Pierson** is currently Senior Consultant and Trainer at Data Sentry, Inc. with special responsibilities to initiate, develop and validate training programs for current security practices and procedures. Tim possesses formidable knowledge in these areas and the years ahead will see Tim transcribe his know-how into authoring many certification training classes, often times completing self-certification on new and emerging products in advance of teaching or writing courseware or books on related subjects.



## CAST 614: Advanced Network Defense

### Hardening Perimeter Defenses

**Advanced Network Defense:** This is a 3 days comprehensive fast paced course that will take the perspective of the "hacker", and use that for the foundation of defending against the latest attacks. It is fun to be on offense and do the hacking and penetration testing, but for most us the reality is we have to play defense. This course provides an offensive mindset to provide a robust and solid defense.

The course will cover how to develop a secure baseline and "harden" your enterprise architectures from the most advanced attacks. Once we have a strategy for a fortified perimeter the course moves on to defending against the sophisticated malware that is on the rise today and the importance of "live" memory analysis and real time monitoring.



#### Master Trainer Kevin Cardwell

**Kevin Cardwell** currently works as a free-lance consultant and provides consulting services for companies throughout the world, and as an advisor to numerous government entities within the US and UK. He is an Instructor, Technical Editor and Author for Computer Forensics, and Hacking courses. He is technical editor of the Learning Tree Course Ethical Hacking and Countermeasures and Computer Forensics. He is author of the Controlling Network Access course. He has presented at the Black Hat USA Conferences.



## CAST 615: Cryptography Deep Dive

### In Depth Analogy of Cryptography

**Cryptography Deep Dive:** This is an in depth examination of the field of cryptography. All modern security, at some level, depends on cryptography. Whether it is using SSL to secure bank transactions, encrypting e-commerce purchases, or encrypting a hard drive, encryption is key to security. This course explores, in depth, the science of cryptography teaching students the history of cryptography, modern cryptographic methods, and how to use techniques like cryptanalysis to break cryptography. The course also covers closely related topics such as hashing and digital certificates.

This course is appropriate for security professionals who want to understand encryption on a deep level, and for those who may need to learn techniques to break encryption.



#### Master Trainer Chuck Easttom

**Chuck Easttom** is the author of 11 computer science books including 2 computer security textbooks used at universities around the globe and translated into several languages. He currently has 7 provisional patents, all related to computer science and 4 related to computer security. One of those patents regards a new method of steganography, another regards a new approach to detecting spyware, and yet another involves the invention of a new, more stable file system.

Chuck is also the inventor of a method for quantifying network security that is being taught at several universities, and most recently has developed a new approach to creating ghost drives.