

CERIAS

The Center for Education and Research in Information Assurance and Security

DC3 DIGITAL FORENSIC CHALLENGE

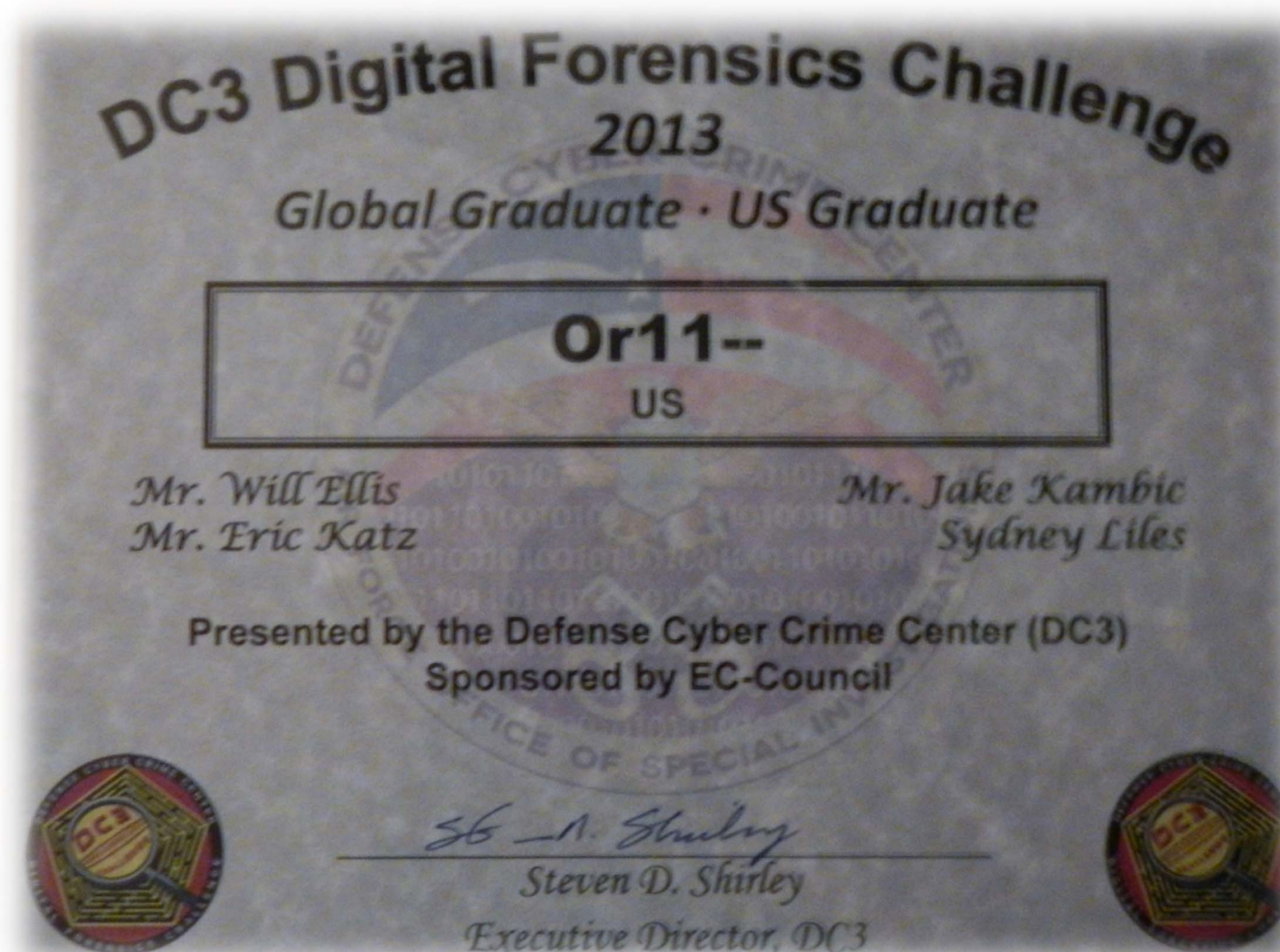


2013

1st place US & Global Graduate divisions

5th place Overall division

The Challenge: The DC3 Digital Forensics challenge is the Olympics of digital forensics. The 10 month long challenge tested teams on matters of law, encryption, steganography, malware & memory analysis, meta data, timelines, and network traffic.



Challenge Statistics:

- Over 1,200 teams overall
- 13 US graduate teams
- 26 global graduate teams
- Completed 33 out of the 40 challenges
- Scored 5256 points

Challenge Levels

100: These challenges are meant for beginners and novices, solutions can be found online.

200: These challenges require a moderate level of forensic knowledge but general information can be found on the internet.

300: Meant for advanced forensic examiners these challenges are tricky or have complex solutions. They require deeper knowledge of cyber forensic concepts.

400: Many of these challenges have no known solution, they commonly involved encryption and steganography.

500: These challenges required the team to develop their own tools and methods

Lessons Learned: Many of the tasks required skills and knowledge not taught at Purdue. Team Or11- was forced to develop new skills and techniques in order to advance. The knowledge gained by solving these challenges are now being incorporated into classes here at Purdue. New labs and lectures are being developed in order to make sure future students are up to the challenges of the cyber forensics field.

