Joint OWASP Cambridge, BCS Cybercrime Forensics SIG
UK Cyber Security Forum – Cambridge Cluster
"Capture the Flag Event" 2018

Thursday 17th May 2018 5:30 – 21:30, Compass House (COM014), Anglia Ruskin University, Cambridge, CB5 8DZ

Hosted by the Cyber Security & Networking Research Group, Anglia Ruskin University, British Computer Society (BCS) Cybercrime Forensics Special Internet Group's, UK Cyber Security Forum Cambridge Cluster and OWASP (Open Web Application Security Project) Cambridge Chapter.

CTF (Capture The Flag) is a type of computer security competition. Contestants are presented with a set of challenges and puzzles which test their creativity, technical coding (and googling) skills, and problem-solving ability. Challenges usually cover a number of categories and when solved, each yields a "flag" which is submitted to a real-time scoring service. The difficulty levels are from beginner to advanced.

CTF tournaments are a great and fun way for software developers to learn a wide array of application security skills in a safe and legal environment.

Top scorers will win prizes kindly donated by cyber security technology vendors.

Most programming languages supported.

IMPORTANT: Please bring your **own LAPTOP** and a charger for the event.

Background

The BCS, Chartered Institute of IT, Cybercrime Forensics Special Interest Group (SIG) promotes Cybercrime Forensics and the use of Cybercrime Forensics; of relevance to computing professionals, lawyers, law enforcement officers, academics and those interested in the use of

Cybercrime Forensics and the need to address cybercrime for the benefit of those groups and of the wider public.

OWASP (Open Web Application Security Project is a 501(c)(3) not-for-profit worldwide charitable organization focused on improving the security of application software. Their mission is to make application security visible, so that people and organizations can make informed decisions about true application security risks.

The **Cyber Security and Networking (CSN)** Research Group at Anglia Ruskin University has close working strategic relationships with industry, professional bodies, law enforcement, government agencies and academia in the delivery of operationally focused applied information and application security research. We have strong international links with professional organisations such as OWASP, BCS, ISC2, IISP & the UK Cyber Security Forum amongst others. The primary aims of CSNRG are to help the UK and partner nations to tackle cybercrime, be more resilient to cyber attacks and educate its users for a more secure cyberspace and operational business environment. These will be achieved through the investigation of threats posed to information systems and understanding the impact of attacks and creation of cyber-based warning systems which gathering threat intelligence, automate threat detection, alert users and neutralising attacks. For network security we are researching securing the next generation of software defined infrastructures from the application API and control/data plane attacks. Other key work includes Computer forensic analysis, digital evidence crime scenes and evidence visualisation as well as Cyber educational approaches such as developing Capture the Flag (CTF) resources and application security programs.

The **Cambridge Cyber Security Cluster** is an affiliate **UK Cyber Security Forum**, a government and industry led partnership which will look at how the region can develop the skills and infrastructure to combat cyber security threats.

Speaker Biographies

Goher Mohammad - Head of Security Engineering for Leadership Team at Photobox Group Security

Bio

Making his mark as one of the youngest IT leaders in Omnicom Group back in 2004, Goher has a huge passion for IT with a particular drive not just do things well but do things better. Having had to deal with more comprehensive but secure and controlled structures in Citibank and Merrill Corporation to more agile environments within Omnicomgroup and now Photobox Group, the next step for him is how to combine the best of both worlds. A keen diver, traveller keen to explore the world, Goher also loves play retro video games and not so secretly is a complete tech geek. Deep down, his inquisitive nature is always looking to understand the inner workings of everything that's around and in turn, how can it be made better.

Abstract

In an ever changing IT world with increased velocity of evolution, we have several challenges we need to deal with. One of which is how the hell do we keep up with the change. Scaling security workflows is an interesting challenge but need not be complex as you may have the tools you need already at your disposal. The second is how do we individually get noticed by talent finders and recruiters. Crowd sourced based security teams may well be the solution to your problems.

ERSOU – (Eastern Region Special Operations Unit – Cyber Prevent Team) will be in attendance for advice and guidance.

Provisional Agenda

18:00 – 18:45: Registration, Pizza & Beer (Compass House Foyer/Cafe)

18:45 – 19:00 Welcome from the OWASP Cambridge Chapter Leader, Adrian Winckles, Director of Cyber Security & Networking Research Group, **Anglia Ruskin University**

19:00 – 19:30 Guest Speaker - Goher Mohammad – Head of Security Engineering, Photobox, "Scaling Security Workflows & How to be Hired for a Crowd Sourcing Security Team"

19:30 – 21:30 Capture the Flag – OWASP Challenges

<u>Registration</u>

Participation is Free but the number of seats is strictly limited so reservation is recommended.

To register for this free event, please register online at

https://goo.gl/azYnp3

The event will be held in the Compass House Building, Room COM014/COM109 (Café in the foyer for networking & refreshments).

Anglia Ruskin University
Compass House (COM014/109)
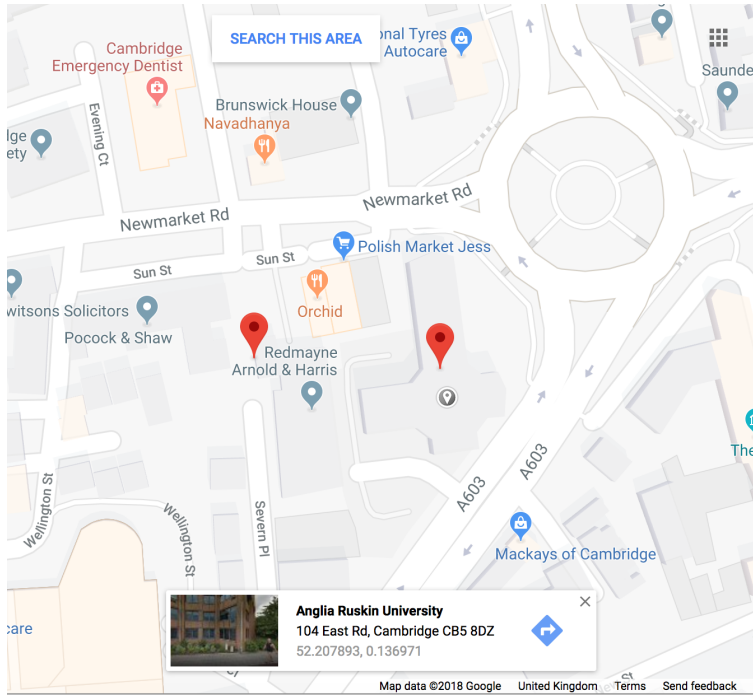104 East Road
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Please note that there is no parking on campus. Get further information on travelling to the university.

http://www.anglia.ac.uk/ruskin/en/home/your_university/anglia_ruskin_campuses/cambridge_campus/find_cambridge.html