

Global Prosecutors E-Crime Network Newsletter Issue 5 February 2014

The wait is over – the new GPEN website is now live! The new website includes a [brand new forum](#), updated [training materials](#) in the new GPEN learning centre (more of these are due to be added over the next month so keep checking) and a [new library](#) section that includes lots of current resources about subjects such as malware, hacking, data theft and digital evidence. We need you to get actively involved in the GPEN community loading up new training materials and library assets to the forum, joining in conversations on the forum. You are the essential ingredient that will make this community an effective weapon in the fight against cyber criminals.



In this edition of the GPEN newsletter read the latest news on new malware threats and the use of cyber technology to rob bank machines. The latest information on conferences relating to cyber-crime (these are also available on the website [events page](#)), a new topic feature examining the resources available on the GPEN website about international co-operation with regards to the prosecution of cyber-crime and a profile of Esther George, architect of the GPEN project and regular contributor to the GPEN forum. I hope you enjoy reading this newsletter and I look forward to meeting you in the [GPEN forum](#).

Sarah Lennard-Brown - GPEN communications team

Join the GPEN community www.iap-association.org/Membership

News

New Zeus malware variant - hides code in image file

A new variant of the Zeus banking trojan has been found where the trojan code is transferred from host to host via a .jpg image file. The Zeus trojan enters a system and hijacks bank login details, it then proceeds to make secret transfers from the bank while the account owner uses it legitimately. The new variant of Zeus uses steganography to insert a string of malicious code into a normal .jpeg file in the hopes that it will not be spotted by protection software. When decrypted this new variant was found to target banks including Barclays, Deutsche Bank and Wells Fargo.

- Read more about the new Zeus Variant on the [Computer World website](#)
- Join the debate about [prosecuting malware crimes on the GPEN Forum](#)

Vulnerability in Linksys routers raises fears of home routers being used to attack online banking accounts

A new self-replicating worm, nick named ‘TheMoon’ has been identified by SANS Institute’s Internet Storm Centre. The new worm exploits a vulnerability in Linksys routers. Linksys, which is owned by Belkin confirmed that some Wireless – N routers were affected but sought to reassure users that only older models were affected and then only when the “Remote Management Access” feature was turned on. This development is worrying as cyber-criminals have recently turned their attention to home routers as a potential way of accessing online banking information and the identification of ‘TheMoon’ worm demonstrates that this is a feasible line of attack.

- Read more about ‘TheMoon’ worm on the [Computer World website](#)
- Join the debate about prosecuting [malware crimes on the GPEN forum](#)

Bank Machines emptied by hackers using malicious code inserted by USB sticks

Security Week has reported that a gang of cyber criminals in have been using malware carried on USB sticks to empty Bank Machines. It appears that the hackers physically dismantle the bank machine and insert the USB stick into the machines printer port, the machine is then reassembled. Then late at night another member of the gang visits the machine, types in an access code and the machine delivers all its stored money. The malware then deletes itself. No customer accounts are involved and the only evidence the theft has taken place appears to be the empty bank machine and any video of the individual retrieving the money. Security Week declined to name the Bank attacked or the country where the offences took place but they claim that one arrest has been made.

- Read more about the cyber-enabled bank machine raids on the [Security Week website](#)
- Join the debate about the prosecution of [hacking on the GPEN forum](#)

Topic focus – International co-operation in the prosecution of cyber-crime

Each month we focus on a different topic area relating to the prosecution of cyber-crime. This raises awareness of the resources available in the new [GPEN website Library](#), starts discussions on the GPEN forum and encourages expert prosecutors to post useful resources related to the topic in the forum that we can then add to the GPEN library. As ever – and we can’t emphasise this too much – the success of this project depends on you. Please do get involved. Use the resources in the library and the training





materials and add items we have missed by posting them in the forum. We look forward to meeting you in the [GPEN forum](#)

This month we are focusing on International Cooperation. This is probably the largest section of the GPEN library at the current time and we have lots of resources. We have links to the major [international conventions and regional instruments](#) relating to Africa, Arab States, Commonwealth, Europe and Southern and Central America. Other resources include links to case law [databases and libraries](#), details about [model legislation](#) on Cyber-crime, [articles](#) and [conference reports](#). This is just the start. Hopefully with your help we can keep this section updated and useful for prosecutors all over the world. Do you have any ideas for information that is missing from this section? Do you have any issues or difficulties relating to the prosecution of cyber-crime across international borders? Please [visit the GPEN forum](#) and join the conversation.

Latest activity on the GPEN forum

The new GPEN forum is now live and ready for your news, comments questions and answers for your colleagues around the world. As this is a new forum many of the posts are from me (Sarah) – so far – so I thought I would take the opportunity to tell you the best way to use the GPEN forum.

Forum	Threads	Posts	Last post
GPEN Forum A forum for members of the Global Prosecutors E-Crime Network.			
News News and newsletters about the GPEN community	5	7	Sarah (1/29/2014 7:18:29 PM)
Child exploitation on the internet A platform for the discussion of issues surrounding the prosecution of child exploitation on the internet	1	1	Sarah (1/11/2014 6:57:09 PM)

The idea of a forum is very simple.

People ask questions or post information and then the rest of the forum community read and respond. Ideally forums are centres for constructive conversations where members are supported by colleagues and issues are discussed in a courteous, friendly but robust manner. The simplicity of the concept of a forum belies its strength and potential. Just imagine you have a difficult case to prosecute about an area of cyber-crime law that is new to you. The GPEN forum gives you the opportunity to ask questions of specialists around the world and likewise in a few weeks' time someone may post on the forum with a question that you have the answer to.

The real art of contributing to a forum is not so much in the ability to start new threads of conversation but in the ability to read a thread of conversation carefully and contribute something to the discussion that moves the conversation forward and explains the issues. Each and every one of you had something to offer the GPEN community and the forum is the place to do it.

Every month we will be profiling an individual who has made a particularly valuable contribution to the GPEN forum in our 'Greatest Influencers' section (see below). The names of people posting most frequently on the forum can also be found on the front page of the GPEN website. So come and join the conversations on the forum and you may find yourself profiled in this newsletter.

Join the conversation at the [GPEN forum](#)

Greatest influencers

Each month we introduce an individual who has shown thought leadership within the GPEN community by posting on the forum. This month we profile Esther George, Senior Policy Advisor and prosecutor with The Crown Prosecution Service of England and Wales and architect of the GPEN project.



Esther George qualified as a solicitor with the Crown Prosecution Service and started working with general cases in South East London before moving on to the prosecution of youth crime.

In the late 1990s she became fascinated by web based computer technology and enrolled in a computer science course in her spare time to understand more. By 1998 she had developed an understanding of computer enabled crime and decided to devote her career to combating it.

In 2002 the Crown Prosecution Service established a High Tech Crime Project managed by Esther. Through this project she sought to raise awareness and improve the prosecution of cyber-crime by training a specialist group of prosecutors based around the country, at least one in each area. She developed a three day course which gave prosecutors a firm foundation in the technical and legal skills they needed, including how computers work, interpreting digital evidence, the role of expert witnesses, mutual legal assistance etc.

"As time has progressed we have developed a responsive approach to the development of different types of cyber-crime for example during the run up to the 2012 Olympic games in London cyber enabled Intellectual Property Crime became an increasing threat. So we worked with the Intellectual Property Office (another Government department) to develop an eLearning training course based on our existing cyber-crime model. This was then delivered to prosecutors and it enabled us to prosecute offences much more quickly and efficiently than in the past."

This fluid flexible approach to the prosecution of cyber-crime has extended to working with a number of Government Departments to try and stay one step ahead of the cyber criminals.



The *International Association of Prosecutors GPEN project* (Global Prosecutors E-Crime Network) is the result of Esther's vision for a global network of specialist e-crime prosecutors who work together to raise the standard of prosecution around the world and provide a pool of specialist talent that can promote the prosecution of cyber-crime across borders. As a result of her work with GPEN in 2010 she received the IAP's prestigious Certificate of Merit; this was followed by the Chair of the National Black Crown Prosecutors Association (NBCPA) Excellence Award in 2012, also for her Cyber-crime work. Esther has continued to work to further her vision for GPEN by project managing the new upgrade to the GPEN website, library and training materials and promoting efforts to establish a community of Global e-crime Prosecutors.

Faith is very important to Esther and has influenced her career choices, she said: "The ideas of truth and of justice – which I think are basic to all mankind - definitely come into it. This is more than just a job. Most people you speak to here will say that it's a vocation. I think being a prosecutor is the best type of lawyer to be. Our job is to put before the court the full case. For me, my faith isn't just about Sunday meetings. There has to be a holistic application of it."

Conferences

The Conferences published here are new events that have been added to the GPEN website since the last newsletter was published. For full details of Events relevant to Cyber Crime go to the [Events section of GPEN](#).

1. Commonwealth Cybersecurity Forum 2014 - 5th March 2014 - BT Auditorium, 81 Newgate Street, London, United Kingdom

Developing National Cyber security frameworks

The Commonwealth Cybersecurity Forum will take place under the theme of 'Developing National Cybersecurity Frameworks' following the Commonwealth ICT Ministers Forum, where the Commonwealth Cyber-governance Model will be officially adopted. This model will be officially launched at the Cybersecurity Forum where the key principles will be examined, assessed and discussed by a range of stakeholders, leading onto practical actions including the development of national Cybersecurity frameworks and to facilitate a collaborative international cybersecurity industry.

Key topics:

- Developing national plans for Critical Information Infrastructure Protection
- Ensuring the protection of intellectual property online
- Privacy vs. Security – where's the balance?
- DNSSEC in the Commonwealth and beyond
- Implementing Computer Emergency Response Teams (CERTs)



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- Applying Commonwealth Cyber-governance Principles

Registration

Special rates have been applied for IAP members by virtue of association with ICSPA(International Cyber Security Alliance).

Member: £325.00 Non-member: £499.00 [Visit the CTO website to register](#)

2. Scotland's First Anti-Illicit Trade Summit – 6th March 2014 – Murrayfield Stadium, Edinburgh, Scotland

Find out more about the [Scottish Anti-Illicit Trade Group Summit](#) and book a place

3. GLIMPSE: Inside the mind of a Child Sex Abuser – 28th March 2014

An exclusive event for child protection professionals, teachers, social workers, police, Crown Prosecution Service, charities, safeguarding and welfare officers.

Focussing on:

- A victim's journey,
- Power & influence – hiding in plain sight
- Impact on child protection professionals
- Minimising, self-justifying & the spiral of abuse
- Managing and diverting offenders

The [GLIMPSE event is](#) happening during March in Edinburgh, Newcastle, Birmingham, Cardiff and London.

4. Basic Training Course on Legal and Technical Aspects of Cyber Crime – 3rd April 2014 – Trier, Germany

Grooming: online behaviour, offline consequences - Seminar for judges and prosecutors

Registration fee: 120 EUR

Travel costs up to 400 EUR will be reimbursed by ERA upon presentation of the original receipts. ERA will book and pay accommodation for two nights.

Key topics

- Introduction to cybercrime: definitions, development of computer crime, overview of the most relevant offences and how they are committed



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- Legal challenges and solutions in fighting cybercrime: challenges in applying traditional criminal law instruments, procedural law, jurisdictional issues and international cooperation
- Cybercrime case studies (real-life scenarios to be discussed in small working groups)
- Methodology and typology of the online child sex offender
- "Grooming"
- Online fraud via Voice over Internet Protocols (VoIPs)

[Visit the training course website](#) Organiser : Laviero Buono, Academy of European Law

With the financial support of the Prevention of and Fight against Crime Programme European Commission - Directorate-General Home Affairs

Language: English

Speakers:

- Christiaan Baardman, Judge, Court of Appeal; Dutch Expertise Centre on Cybercrime, The Hague
- Graham Butler, President & CEO of Bitek International, London
- Jurgen Coppens, Public Prosecutor, Office of the Public Prosecutor, Dendermonde, Belgium
- Rainer Franosch, Senior Public Prosecutor, Cybercrime Department, Office of the Attorney General, Frankfurt
- Uri Sadeh, Coordinator, Crimes against Children Team, Interpol, Lyon
- Jonathan Taylor, Research Fellow, Lancaster University; Child Safeguarding and Internet Safety Expert, London
- Philippe Van Linthout, Investigating Judge, Court of First Instance, Mechelen, Belgium

5. 14th Specialisation Course in International Criminal Law – 18th May 2014 – Siracusa, Italy,

Assessing the Effectiveness of International Criminal Law in the Prevention and Control of Transnational and International Crimes

ISISC will organize the 14th Specialization Course in International Criminal Law for Young Penalists on 'Assessing the Effectiveness of International Criminal Law in the Prevention and Control of Transnational and International Crimes' in Siracusa from May 18th until May 28th, 2014.

The course will be sponsored by the Johns Hopkins University, School of Advanced International Studies (USA), the University of Palermo, Faculty of Law (Italy), the Irish Centre



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for Human Rights, National University of Ireland (Galway, Ireland), the Middlesex University Department of Law (London, UK) and the Association Internationale de Droit Pénal (AIDP - France).

ISISC will select 60 participants who should have at a minimum a first degree in law, having graduated in the last eight years (between 2004 and 2014), and be 35 years of age or under. Furthermore, the Institute will offer 10 scholarships to applicants from Developing and Less Developed Countries. The scholarships cover accommodation costs in half board, ground transportation from/to Catania airport and academic materials (travel costs not included).

To apply for the Course, [please fill in the Online Application Form](#). The deadline for submitting your application is March 20, 2014.

6. Mobile Forensics Workshop – Wednesday 11th June 2014 – Media City, Manchester, United Kingdom

Learn about the latest breakthroughs in mobile device forensics, hear from guest speakers and attend free XRY Refresher training sessions. A great opportunity to network and learn with peers from across the UK & Ireland. Lunch, refreshments and dinner included, accommodation booked/paid separately.

Only £69.00 (+VAT) per person Limited spaces available, booking deadline 30th May 2014

Visit the [Mobile Forensics Workshop Conference Website](#) to find out more

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