Paris, France
2-3 June 2009

Conference Program

Advances
in the Analysis of
Online Paedophile
Activity

International Conference

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Online Paedophile Activity

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It is nowadays widely acknowledged that online pedophile activity constitutes a key issue with huge societal, ethical, legal, clinical and financial impacts.

However, measuring, observing and analyzing this activity is a challenging task. As a consequence, much effort is devoted to various kinds of works aimed at providing more knowledge and better control of this activity. This led to a wide set of significant results, but they remain relatively scattered.

The goal of this conference is to provide a clear and precise view of what is currently known on online paedophile activity as a whole. It will put together practitioners, analysts, and researchers, in an effort to build a unified vision of the current situation and key directions for future work.

The conference will rely on a set of key presentations given by leading experts of the topic who will present the state-of-the-art from their own perspective. In addition, participants are warmly invited to prepare posters to be presented during dedicated sessions at the conference, and discussion spaces will be provided to encourage the emergence of cooperation.

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Tuesday, June 2nd

10.00   **Opening, registration and coffee**

10.30   **Keynote address**
By Clémence Magnien (CNRS - UPMC, France)

Session 1

10.45   **Measurement of Paedophile Activities in eDonkey**
By Guillaume Valadon, Computer Science (CNRS - UPMC, France)
The goal of our measurements is to gather precise information about the eDonkey systems such as queries, filenames, or the first appearance of a client. Our objective is to improve the knowledge of the paedophile activity in p2p systems. We aim at giving an accurate and detailed view of what is going on concerning paedophile activity in currently running p2p systems. In this talk, we present the different kind of measurements that were conducted as well as preliminary results.

11.30   **Investigator's Problems Fighting Against Paedophilia on the Internet**
By Philippe Jarlov, Gendarmerie Nationale (Law enforcement institution), France
Pedophilie fighting on the internet requires a good knowledge of the practices, the network and the investigation techniques from the police officer.
While working on the net, the officer mustn't lose sight of the fact that behind the computer there may be someone who could be a child abuser in real life.

12.30   **Lunch**

14.00   **Posters Presentation**

Session 2

15.00   **FIVES and P2P-based Intelligence Gathering**
By Johan Garcia, Computer Science (Karlstad University, Sweden)
This paper describes the FIVES project that has been initiated in order to develop tools that allow the police to efficiently evaluate large amounts of image and video material seized in connection with investigation of Child Sexual Abuse material (child-pornography). The FIVES project build on a

modular forensic engine and a number of modules that extract different types of relevant information in an automated fashion. The modular approach of FIVES makes it possible to easily extend to also consider the issue of P2P-based CSA distribution and related investigations. The connection between P2P and FIVES can be done both in the sense that FIVES modules can use information derived from P2P monitoring, as well as using FIVES as a starting point for an automated support tool for P2P investigations.

15.45   Isis: Protecting Children in Online Social Networks

By Awais Rashid (Lancaster University, UK)

The aim of the Isis project is to develop an ethics-centered monitoring framework and tools for supporting law enforcement agencies in policing online social networks for the purpose of protecting children. The project is developing natural language analysis techniques to help identify child sex offenders from chat logs and monitoring mechanisms that can be non-invasively attached to file sharing systems for identifying the distributors of child abuse media. The ethical issues associated with such monitoring activities are studied through consultations with representatives from stakeholder communities and fed back into the development of the framework and tools. The project results are to be used and evaluated by specialist international law enforcement agencies as part of their own policing activities.

16.30   Coffee break

17.00   Networks of paedophilic keywords, IPs and datafiles

By Vasja Vehovar

Log files of a typical P2P service (eDonkey) were studied with specialized tool for analyzing large social networks (Pajek). The networks of potential paedophilic keywords, IPs (both, seekers and suppliers) and data files (hash) were discovered and relations between them were analyzed.

Wednesday, June 3rd

09.00   **Internet Child Abuse: Understanding Offender Online Grooming Behavior**

By Julia Davidson, Criminology and Sociology (Kingston University, London, UK)

The Internet is a vast global community with no geographical boundaries. Unlike any other community, the responsibility for security and the safety of its population is not the responsibility of one country, but is rather a shared, international responsibility. Criminal justice agencies and the Internet industry must increasingly work together to share information in order to protect children and young people who are the most vulnerable users of the Internet, this is a difficult process. This paper draws on recent research undertaken for the Metropolitan Police High Technology Crime unit in the UK and the Risk Management Authority, Scotland. The presentation seeks to describe recent research findings regarding the behaviour of Internet offenders who target and groom young people for the purposes of sexual abuse. This behaviour will be set against the backdrop of the legislative and practice context of law enforcement work in the UK.

09.45   **Child pornography: the exploitation and abuse of children**

By Ethel Quayle, Clinical and Health Psychology (University of Edinburgh, Scotland)

While there has been considerable investment in the detection of online sexual offending against children there has been little interest in the children portrayed in the images. This is reflected in the paucity of research in this area and the fact that so few children have ever been identified. This presentation examines the existing literature and presents new data to explore both the nature of the images and what they might tell us about the children who are both abused and exploited.

10.30   **Coffee break**

11.00   **An Examination of Problematic Paraphilic use of Peer to Peer Facilities**

By Sean Hammond, Applied Psychology (University College Cork, Ireland)
This paper describes a methodology for investigating the paraphilic use of Peer to Peer facilities. The focus is upon problematic paraphilias, by which we mean those that imply illegal and/or non-consensual activity. The methods applied involve a new technique for evaluating the co-occurrence of paraphilic themes in order to inform a psychological profiling of P2P users. A typal analysis derived from Configural Frequency Analysis is reported. This shows in particular, that hebephilic and paedophilic behavior are interrelated in a more complex manner than is expected by pure legal classification.

11.45   Posters Presentation

12.30   Lunch

Session 4

14.00   INHOPE – The International approach to combating the proliferation of Images of Child Sexual Abuse on the Internet
By Adrian Dwyer, INHOPE (formerly Metropolitan Police, UK)
The mission of the INHOPE Association is to support and enhance the performance of Internet Hotlines around the World; ensuring swift action is taken in responding to reports of illegal content to make the internet a safer place.

14.45   Youth protection online: Joint efforts are needed
By Katharina Kunze, UE Project Manager (Youth Protection Roundtable, Berlin, Germany)
The Youth Protection Roundtable is a project funded in the framework of the Safer Internet Action Plan of the European Commission from November 2006 till April 2009. 32 project partners from 13 European countries have worked together to identify and describe appropriate measures to improve online youth protection. The presentation will focus on the following aspects:
- o   Results of an expert's survey on matters of youth protection
- o   3 Cs–Content, Contact, Conduct: A Matrix of Risks and Threats
- o   Appropriate measures to deal with the risks: A combination of supportive technologies and educational measures

15.30   Conference ending

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Organization Committee

- Sean Hammond, University College Cork (Ireland)
- Matthieu Latapy, CNRS - UPMC (France)
- Clémence Magnien, CNRS - UPMC (France)
- Raphaëlle Nollez-Goldbach, CNRS - UPMC (France)
- Massoud Seifi, CNRS - UPMC (France)
- Vasja Vehovar, University of Ljubljana (Slovenia)
- Agnieszka Wrzesie, Nobody's Children Foundation (Poland)

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