MALWARE CONFERENCE (MALCON 2015)
KNOW YOUR ENEMY

10th IEEE International Conference on Malicious and Unwanted Software "MALCON 2015"

Call for Papers

Theme: "Separate consideration of _Broad Spectrum Malware_ versus _Targeted Attacks_"

Submission of papers	
Broad Spectrum Malware Track	**July 8th, 2015, 23:59:59 EST**
Targeted Attacks Track	Aug 12th, 2015, 23:59:59 EST
Short Paper Track	Aug 12th,, 2015, 23:59:59 EST
Notification of Acceptance	September 1st, 2015, 23:59:59 EST
Camera ready paper:	September 8th, 2015: 23:59:59 EST
Conference dates	October 20-22, 2015

The 10th International Conference on Malicious and Unwanted Software (MALCON 2015) will be held at the Waldorf Astoria El Conquistador Resort, Fajardo, Puerto Rico, USA, October 20-22nd, 2015 (October 22nd, 2015 - optional).

The emergence of Targeted Attacks as the predominant threat to large organizations, as well as governments, has created the opportunity within the Anti-Malware Ecosystem to create a forum where this topic is addressed in a cooperative manner. Hence, this year the Malware Conference will consist of two distinct tracks. These are: _Broad Spectrum Malware Track_; and _Targeted Attacks Track_.

Broad Spectrum Malware is code that exploits system vulnerabilities for malicious purposes that target large classes of victims. With Broad Spectrum Malware, cyber-attackers typically conduct multiple parallel attacks using metamorphic and polymorphic variations of their malicious code to target more than one specific victim. (This is in contrast to specifically targeted attacks, which are custom-designed and carried out against a single target or a very narrow specific class of victims.) In the past, most of the attention, resources, and evaluation of security products has been directed exclusively towards the ability to thwart Broad Spectrum Malware.

A second track at Malware Conference 2015 will deal exclusively with the emergence of **_Targeted Attacks_**, and the rapid evolution of efforts to counter them, including recent improvements in breach detection systems (BDS), network traffic baselining, and security incident response.

Whereas overlap in both definition and practice of Broad Spectrum Malware and Targeted Attacks exists, their separate consideration benefits actionable understanding, productive research, and improved anti-malware products and services.

Within each track the conference is organized into three segments: (1) Characterizing emerging threats (cyberattack evolution); (2) Advances in countermeasure techniques and methodologies; and (3) Evaluation and measurement of security product effectiveness. We encourage authors to submit manuscripts that address topics in each one of these three segments.

Submissions are solicited in, but not limited to, the following areas:
- Theoretical aspects and new directions in Broad Spectrum Malware related research, specifically, manuscripts that explore the concepts of "Trust Domains" that do not have or desire physical boundaries
- Targeted Attacks
- Smartphone Malware, protecting a new class of end-points with hyper-mobility
- Analysis and measurements of real malware incidents
- Worms, viruses and other propagating Malware
- Spyware, keystroke loggers, information theft Malware
- Honeypots and other sample collection methodologies
- Botnet attacks, detection/tracking and defense
- Malware economics and black market studies
- Code reverse engineering tools and practices
- Malware performance, analysis and capture tools
- Anti-spam and anti-phishing techniques and practices
- Legal aspects of unwanted software use
- Malware and its impact in social networking and cloud computing
- Rootkit and virtualization techniques
- Malware in wireless mobile devices

Finally, and within the context of our two important tracks, we are delighted to announce that for the 10th year anniversary of the Malware Conference our Keynote Speaker will be Prof. Vern Paxson, from the University of California at Berkeley. Dr. Paxson is a fellow of the Association for Computing Machinery (ACM), and a well know and highly respected researcher in the fields of Internet measurement and Internet security. Vern will be sharing with us his perspective on Broad Spectrum Attacks, what is to be

expected in the future, and some new work that his research organization is currently pursuing.

Publication

The proceedings of the conference will be published in printed and DVD form and will be included in the IEEE Xplore digital library. In addition, the Conference's Technical Program Committee will select one manuscript as a recipient of the "Best Paper Award". The Best Paper Award author, together with the authors of a few selected manuscripts from the conference, will be invited to submit an extended version to a special issue of the Journal of Computer Security.

Paper Submission Information

Papers should be submitted through EDAS system at:
https://www.edas.info

Submitted manuscripts must be 10-point font size, and should not exceed 8 single-spaced pages in length, including the abstract, figures, and references. Authors whose manuscript exceeds the 8 page limit may be allowed to include two additional pages for an extra charge. However, under no circumstances shall a submitted manuscript exceed the 10 page limit. Submitted papers must not substantially overlap with papers that have been published or that are simultaneously submitted to a journal or a conference with proceedings.

Additional Information

For more information on Malware 2015 or if you are interested in contributing to the organization of the conference please contact Dr. Fernando C. Colon Osorio, General Program Chair, Malware 2015 at fcco@brandeis.edu or visit our web site www.malwareconference.org. For information concerning submission of an original manuscript to the conference, please contact the Technical Program Committee Chairs (TPC), Dr. Anthony Arrott, CheckVir, USA - mailto:aarrott@checkvir.com, and Prof. Arun Lakhotia, University of Louisiana at Lafayette - mailto:arun@louisiana.edu.

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Malware 2015 Program Committee

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- Ms. Sarah Zennou, Airbus Group Innovations, USA
- Prof. Abdullah Mohd Zin, Univ. Kebangsaan, Malaysia
- Prof. Cliff C. Zou (Changchun Zou), Univ. Central Florida, USA

Malware 2015 Keynote, Panels & Tutorials :
- Mr. Neil Rubenking - Lead Analyst, PC Magazine, USA
- Mr. Vikram Phatak - CEO, NSS Labs, USA

Local Conference Chair
- Prof. Jose Ortiz – Univ. de Puerto Rico, USA
- Mr. Juan Torres - PRSS Developer Services, Microsoft, USA