

Monday March 31	Developer Track	Track 1	Track 2
8:00am - 9:00am	Continental Breakfast - Tented Green		
9:00am - 10:15am	Welcome Keynote Opening Remarks: John Bruno, CACE Technologies CEO Presenters: Gerald Combs, Wireshark Creator, Loris Degoianni, AirPcap Creator, Gianluca Varenni, WinPcap Master, Laura Chappell, Founder, Protocol Analysis Institute and Wireshark University		
10:15am - 10:30am	<i>Break</i>	<i>Break</i>	<i>Break</i>
10:30am - 12:00pm	Hackathon Kickoff with Gerald Combs	T1-1 I've downloaded Wireshark...Now what? Instructor: Betty DuBois	T2-1 Analyzer Placement and Baseline Techniques Instructor: Tony Fortunato
12:00pm - 12:45pm	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>
12:45pm - 2:00pm	D01 Advanced Scripting and Command Line Usage with tshark and Related Utilities Instructor: Sake Blok	T1-2 The Virtue of Continuous, Complete Packet Capture & Stream-to-Storage for Enhanced Network Forensics Capability Instructor: Paal Tveit, VP of Engineering, Solera Networks	T2-2 Analyzing the TCP/IP Resolution Processes - Port, Name, Route and Hardware Address Resolution Instructor: Laura Chappell
2:00pm - 2:15pm	<i>Break</i>	<i>Break</i>	<i>Break</i>
2:15pm - 3:30pm	D02 Writing Your Own Wireshark Packet Dissectors - INTRODUCTION Instructor: TBD	T1-3 Case Studies: Solving Network Performance Problems with Wireshark Instructor: Laura Chappell	T2-3 Legal Issues of Packet Analysis Instructor: Jimmy Garcia, Supervisor, High Tech Investigation Division, Los Angeles Office of the District Attorney
3:30pm - 3:45pm	<i>Break</i>	<i>Break</i>	<i>Break</i>
3:45pm - 5:00pm	D03 Writing Your Own Wireshark Packet Dissectors - ADVANCED Instructor: Guy Harris	T1-4 Expose VOIP Problems Using Wireshark Instructor: Sean Walberg	T2-4 Trace File Analysis - Identifying Wire Latency, Client Latency and Server Latency Issues (Includes Charting Techniques) Instructor: Laura Chappell
6:00pm - 7:00pm	Internet Safety for Kids: Predator Tactics, Classification and Protection		

Tuesday April 1	Developer Track	Track 1	Track 2
8:00am - 9:00am	Continental Breakfast - Tented Green		
9:00am - 10:15am	D04 Writing your own Packet Capture Tool with WinPcap and AirPcap - Part 1 Instructor: Gianluca Varenni	T1-5 Introduction to WLAN Analysis Instructor: Joe Bardwell	T2-5 Advanced Capture and Display Filtering Instructor: Tony Fortunato
10:15am - 10:30am	<i>Break</i>	<i>Break</i>	<i>Break</i>
10:30am - 12:00pm	D05 Writing your own Packet Capture Tool with WinPcap and AirPcap - Part 2 Instructor: Gianluca Varenni	T1-6 Tutorial: Leveraging Wireshark for Wireless Network Analysis using AirPcap Instructor: Joshua Wright, Aruba	T2-6 Trace File Analysis - The Elephant Coming From Behind: Full Window, Window Update and TCP Keepalives Instructor: Betty DuBois
12:00pm - 12:45pm	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>
12:45pm - 2:00pm	D06 802.11 Packet Dissection with AirPcap and WinPcap Instructor: Dustin Johnson	T1-7 WLAN Analysis & Security Instructor: Thomas D'Otreppe	T2-7 An Introduction to Network Forensics - Identifying Reconnaissance and Attacks on the Network Instructor: Laura Chappell
2:00pm - 2:15pm	<i>Break</i>	<i>Break</i>	<i>Break</i>
2:15pm - 3:30pm	D07 Programming and Extending the Wireshark User Interface Presenter: Ulf Lamping	T1-8 Non-Intrusive Out-of-Band Network Monitoring utilizing a Data Access Switch Instructor: Patrick Leong, CTO, Gigamon Systems LLC	T2-8 Trace File Analysis - Packet Loss, Retransmissions, Fast Retransmissions, Duplicate ACKs, ACK Lost Segment and Out-of-Order Packets (Includes Charting Techniques) Instructor: Laura Chappell
3:30pm - 3:45pm	<i>Break</i>	<i>Break</i>	<i>Break</i>
3:45pm - 5:00pm	Birds of a Feather Session WinPcap Do's and Don'ts Moderator: Gianluca Varenni	T1-9 Wireshark Enhancement Product SURPRISE Presentation! Instructor: Loris Degioanni	T2-9 Top 10 Tips and Tasks Instructor: Betty DuBois

Wednesday April 2	Developer Track	Track 1	Track 2
8:00am - 9:00am	Continental Breakfast - Tented Green		
9:00am - 10:15am	Roundtable R01 Trace File Formats and Packet Meta Information Moderator: Gianluca Varenni	T1-10 Expose VOIP Problems Using Wireshark Instructor: Sean Walberg	T2-10 Trace File Analysis - Case Studies: Samples of Wireshark in Action Instructor: Betty DuBois
10:15am - 10:30am	<i>Break</i>	<i>Break</i>	<i>Break</i>
10:30am - 12:00pm	D08 Advanced HTTP, SSL, and SMB Analysis Instructor: Ronnie Sahlberg	T1-11 WLAN Analysis & Security Instructor: Mike Kershaw	T2-11 Trace File Analysis - Analyzing HTTP Traffic Behavior (Commands, Responses, Data Reassembly, Reporting) Instructor: Tony Fortunato
12:00pm - 12:45pm	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>
12:45pm - 2:00pm	Panel Discussion R02 The Future of Open Source Network Tools Panel Moderator: Mike Pennachi	T1-12 SCTP/SIGTRAN & SSL Protocol Overview Instructor: Michael Tuexen	T2-12 Complementary Tools - Honeypots, Keyloggers, Host Forensic Tools, etc. Instructor: Laura Chappell
2:00pm - 2:15pm	<i>Break</i>	<i>Break</i>	<i>Break</i>
2:15pm - 3:30pm	D09 File & Disk-Sharing Protocols Instructor: Richard Sharpe	T1-13 Tapping Basics Instructor: Chris Bihary, Network Critical	T2-13 Trace File Analysis - Infected Systems (Worms, Backdoors, etc.) Instructor: Laura Chappell
3:30pm - 3:45pm	<i>Break</i>	<i>Break</i>	<i>Break</i>
3:45pm - 5:00pm	Roundtable R03 Wireshark Roadmap Moderator: Gerald Combs	T1-14 Birds of a Feather Session: Wireshark in the Enterprise Moderator: Sebastian Tandel	CONFERENCE ENDS