



# SHARKFEST '11

Wireshark Developer and User Conference

Stanford University Campus, Stanford, CA • June 13-16, 2011

## Conference Schedule and Track Overview

Published May 13th, 2011



<p><b>Monday</b> June 13</p>			
<p>Noon – 8:00 pm</p>	<p>Badge Pick up &amp; Early Registration – West Oval Grove</p>		
<p>Noon – 12:55 pm</p>	<p>Lunch for Pre-Registrants for IPv6 Hands-On Lab</p>		
<p>1:00 pm – 2:15 pm</p>	<p>See Final Page For All Three <b>Hands-On Lab:</b> <b>Building an IPv6 Network from the Ground Up</b> Dates and Times</p>	<p>Hands-On Lab: Building an IPv6 Network from the Ground Up (Part 1) <b>NOTE: Limited to 24 Registered Participants</b>  <b>Instructor:</b> Jeff Carrell, Network Systems and Security Consultant</p>	
<p>2:15 pm – 2:30 pm</p>	<p><b>BREAK</b></p>		
<p>2:30 pm – 4:30 pm</p>		<p>Hands-On Lab: Building an IPv6 Network from the Ground Up (Part 2) <b>NOTE: Limited to 24 Registered Participants</b>  <b>Instructor:</b> Jeff Carrell, Network Systems and Security Consultant</p>	
<p>5:00 pm – 8:00 pm</p>	<p>“Under the Sea” Welcome Dinner and Registration – West Oval Grove</p>		

Tuesday June 14	Basic	Intermediate	Advanced
8:00 am – 8:55 am	CONTINENTAL BREAKFAST		
9:00 am – 9:15 am	<p><b>The Year in Review</b> Paul Brady, Gerald Combs, Loris Degioanni, Steve McCanne</p>		
9:15 am – 10:00 am	<p><b>KEYNOTE</b> The Architecture and Optimization Methodology of the libpcap Packet Capture Library Steve McCanne, co-creator tcpdump, co-founder and CTO, Riverbed</p>		
10:00 am – 10:15 am	BREAK		
10:15 am – 11:30 am	<p>B-1 I've Downloaded Wireshark, Now What?  <b>Instructor:</b> Betty DuBois, Wireshark U Instructor and Owner, DuBois Consulting</p>	<p>I-1 Stump the Expert! Packet Trace Whispering  <b>Instructor:</b> Hansang Bae, Sr VP, Citi Network/Application Performance Eng.</p>	<p>A-1 Writing Wireshark Dissectors &amp; Plug-Ins  <b>Instructors:</b> Stephen Fisher, Wireshark Core Developer &amp; Gerald Combs, Wireshark Project Creator</p>
11:30 am – 11:45 am	BREAK		
11:45 am – 1:00 pm	<p>B-2 Mobile Application Analysis with Wireshark  <b>Instructor:</b> Joe Bardwell, Founder, Connect802</p>	<p>I-2 Increasing the Throughput of Network Appliances through Virtualization  <b>Instructor:</b> Pete Sanders, Worldwide FAE &amp; Support Director, Napatech</p>	<p>A-2 Hands-On Lab: Using Wireshark Command Line Tools &amp; Scripting  <b>Instructor:</b> Sake Blok, Wireshark Core Developer, Consultant &amp; Trainer, SYN-bit</p>
1:00 pm – 1:55 pm	LUNCH		
2:00 pm – 3:15 pm	<p>B-3 Discovering IPv6 with Wireshark  <b>Instructor:</b> Rolf Leutert, Leutert NetServices</p>	<p>I-3 Hands-On Lab (Part 1): Customizing Wireshark for Different Use Scenarios  <b>Instructor:</b> Laura Chappell, Founder, Wireshark U &amp; Chappell U</p>	<p>A-3 Fast and Fun Packet-Crafting with Ruby and PacketFu  <b>Instructor:</b> Tod Beardsley, Security Software Developer, Metasploit</p>
3:15 pm – 3:30 pm	BREAK		
3:30 pm – 4:45 pm	<p>B-4 Visualizing RF  <b>Instructor:</b> Ryan Woodings, Chief Geek, MetaGeek</p>	<p>I-4 Hands On Lab (Part 2): Customizing Wireshark for Different Use Scenarios  <b>Instructor:</b> Laura Chappell, Founder, Wireshark U &amp; Chappell U</p>	<p>A-4 Wireshark vs. the Cloud  <b>Instructor:</b> Jasper Bongertz , Sr. Tech Consultant Fast Lane Institute for Knowledge Transfer GmbH</p>
4:45 pm	END OF DAY		
6:00 pm – 8:00 pm	DEVELOPER DINNER & PUB CRAWL		

Wednesday June 15	Basic	Intermediate	Advanced
8:00 am – 8:55 am	<b>CONTINENTAL BREAKFAST</b>		
9:00 am – 10:30 am	B-5 Eliminate Your Monitoring Headaches  <b>Instructor:</b> Charles Webb, CTO, Anue Systems	I-5 An Holistic Approach to End-to- End Network Analysis & Optimization  <b>Instructor:</b> Loris Degioanni, Sr. Dir. Engineering, Office of the CTO, Riverbed	A-5 Hands-On Lab: Using Wireshark Command Line Tools & Scripting  <b>Instructor:</b> Sake Blok, Wireshark Core Developer, Consultant & Trainer, SYN- bit
10:30 am – 10:45 am	<b>BREAK</b>		
10:45 am – 12:15 pm	B-6 Network Mysteries and How to Solve Them (Mystery #1)  <b>Instructor:</b> Betty DuBois, Wireshark U Instructor and Founder, DuBois Consulting	I-6 Taking Wireshark to the Future Network  <b>Instructor:</b> Patrick Leong, CTO, Gigamon	A-6 TurboTalks: Open Source Security Tools  <b>Instructors:</b> Gordon (Fyodor) Lyon, Nmap Creator, Mike Kershaw, Kismet Creator, Thomas D'Otreppe, Aircrack NG Creator
12:15 pm – 1:15 pm	<b>LUNCH</b>		
1:15 pm – 2:45 pm	B-7 Discovering WLAN 802.11n MIMO  <b>Instructor:</b> Rolf Leutert, Leutert NetServices	I-7 Using NetFlow to Analyze Your Network  <b>Instructor:</b> Christopher J. White, Engineering Manager, Cascade BU, Riverbed Technology	A-7 Have Wireshark – Will Travel  <b>Instructor:</b> Jasper Bongertz , Sr. Tech Consultant Fast Lane Institute for Knowledge Transfer GmbH
2:45 pm – 3:00 pm	<b>BREAK</b>		
3:00 pm – 4:30 pm	B-8 Wireshark Certification – What it is and How to Get it  <b>Instructor:</b> Laura Chappell, Founder, Wireshark U & Chappell U	I-8 Troubleshooting Application Performance Issues  <b>Instructor:</b> Mike Canney, Principal Network Analyst, getpackets.com	A-8 Case Study: Wireshark in the Large Enterprise  <b>Instructor:</b> Hansang Bae, Sr VP, Net/Application Performance Eng., Citi
4:30 pm	<b>END OF DAY</b>		
6:00 pm – 8:00 pm	<b>SPONSOR-HOSTED COCKTAIL RECEPTION &amp; TRADE EVENT – Sheraton Palo Alto</b>		

Thursday June 16	Basic	Intermediate	Advanced
8:00 am – 8:55 am	<b>CONTINENTAL BREAKFAST</b>		
9:00 am – 10:30 am	B-9 Mobile Application Analysis with Wireshark  <b>Instructor:</b> Joe Bardwell, Founder, Connect802	I-9 Hands-On Lab (Part 1): Troubleshooting Tips & Tricks for TCP/IP Networks  <b>Instructor:</b> Laura Chappell, Founder, Wireshark U & Chappell U	A-9 TurboTalks: Network Security  <b>Instructors:</b> Lucas Tamagna-Darr, Ron Bowes, Vulnerability Research Engineers, Tenable Systems
10:30 am – 10:45 am	<b>BREAK</b>		
10:45 am – 12:15 pm	B-10 Using Wireshark to Support the Application  <b>Instructor:</b> Tim Poth, Senior Priority Response Analyst, Bentley Systems	1-10 Hands-On Lab (Part 2): Troubleshooting Tips & Tricks for TCP/IP Networks  <b>Instructor:</b> Laura Chappell, Founder, Wireshark U & Chappell U	A-10 VoIP Troubleshooting and Analysis  <b>Instructors:</b> Pietro Giordano, Sr. Engineer & Loris Degioanni. Sr. Dir. of Eng., Office of the CTO, Riverbed
12:15 pm – 1:15 pm	<b>LUNCH</b>		
1:30 pm – 3:00 pm	B-11 Network Mysteries and How to Solve Them (Mystery #2)  <b>Instructor:</b> Betty DuBois, Wireshark U Instructor and Founder, DuBois Consulting	I-11 Discovering IPv6 with Wireshark  <b>Instructor:</b> Rolf Leutert, Leutert NetServices	A-11 Trace File Anonymization  <b>Instructor:</b> Jasper Bongertz, Sr. Tech Consultant Fast Lane Institute for Knowledge Transfer GmbH
3:00 pm – 3:30 pm	<b>BREAK</b>		
3:15 pm – 4:15 pm	B-12 Network Access Security – It’s Broken – Now What?  <b>Instructor:</b> Jeff Carrell, Network Systems and Security Consultant	I-12 Ask The Experts!  <b>Panel Participants:</b> Loris Degioanni, Hansang Bae, Gerald Combs, Wireshark, Core Developers	A-12 NO SESSION
4:30 pm – 6:00 pm	<b>Wireshark Core Developer Closing Roundtable and SHARKFEST Wrap-Up Looking Ahead to the Next 10 Years – ROOM 200</b> <b>Moderator: Gerald Combs</b>		
6:00 pm	<b>END OF CONFERENCE</b>		

# Hands-On Lab: Building an IPv6 Network from the Ground Up: Session Dates and Times

<b>MONDAY, June 13th</b>		
<b>1:00 pm – 2:15 pm</b>	<b>Building an IPv6 Network - Part One</b> By attending this lab, attendees will configure a network system of several different brands of equipment, utilizing only IPv6, DHCPv6, and IPv6 routing. Attendees will be required to provide their own laptop with any operating system that has support for IPv6 and serial port (either RS-232 port or your supplied USB-to-RS-232 adapter) capability in order to participate in these labs. A working knowledge of IPv6 is helpful but not required, as lab configurations will be fully detailed.  <b>LIMITED TO 24 REGISTERED PARTICIPANTS</b>	<b>Instructor: Jeff Carrell, Network Systems and Security Consultant</b> Jeff is a network systems and security instructor on HP ProCurve Networking products, delivering technical courseware through North America. In addition, he provides network consulting services with an emphasis on security in wired, wireless, and VoIP networks. His 30-year involvement in the computer industry includes specific concentration in the internetworking sphere for over 22 of those years.
<b>2:15 pm – 2:30 pm</b>	<b>BREAK</b>	
<b>2:30 pm - 4:30 pm</b>	<b>Building an IPv6 Network - Part Two</b> Continuation of part one.	<b>Instructor: Jeff Carrell, Network Systems and Security Consultant</b> See above.
<b>WEDNESDAY, June 15th</b>		
<b>9:00 am - 10:30 am</b>	<b>Building an IPv6 Network - Part One</b> See above.  <b>LIMITED TO 24 REGISTERED PARTICIPANTS</b>	<b>Instructor: Jeff Carrell, Network Systems and Security Consultant</b> See above.
<b>10:30 am - 10:45 am</b>	<b>BREAK</b>	
<b>10:45 am - 12:15 pm</b>	<b>Building an IPv6 Network - Part Two</b> See above.	<b>Instructor: Jeff Carrell, Network Systems and Security Consultant</b> See above.
<b>THURSDAY, June 16th</b>		
<b>9:00 am - 10:30 am</b>	<b>Building an IPv6 Network - Part One</b> See above.  <b>LIMITED TO 24 REGISTERED PARTICIPANTS</b>	<b>Instructor: Jeff Carrell, Network Systems and Security Consultant</b> See above.
<b>10:30 am - 10:45 am</b>	<b>BREAK</b>	
<b>10:45 am - 12:15 pm</b>	<b>Building an IPv6 Network - Part Two</b> See above.	<b>Instructor: Jeff Carrell, Network Systems and Security Consultant</b> See above.