

## 2011 Academy Conference

### Equipping the Teachers of the World's Largest Classroom

Use the key to quickly identify sessions:

Everyone IASPD	All Instructors IASPO	ITE I0000	ITE, CCNA IA000	CCNA 0A000	CCNA, CCNA-S, CCNP 0ASPO	CCNA, CCNP 0A0P0	CCNA-s, CCNP 00SP0	Post-Sec
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Pacific Time

#### Wednesday, June 22

8:00 a.m. **Virtual Event opens** ■ Virtual  
*Access on-demand content, Cisco Live sessions, session handouts, connect with peers, post blogs, take the Trivia Challenge.*

#### Monday, June 27 – General Sessions

1:00 p.m. **Conference Kick Off and Keynote** ■ San Jose & Virtual  
*Joni Blakeslee, Senior Manager, Corporate Affairs GEO US-C, Cisco*  
*Guido Jouret, VP/GM Enterprise Video Grp & CTO Emerging Technologies Group, Cisco*  
 The use of video is more innovative than ever, during the keynote Mr. Jouret will discuss and demonstrate how video is evolving and how it may be used by teachers and students in the near future.

3:30 p.m. **Instructor Professional Development: What's New For You** ■ San Jose & Virtual  
*Gary Coman and Karen Alderson, Technical Advocacy, Cisco*  
 Over the past 2 years Cisco has worked diligently to improve our technologies to enable us to offer new learning opportunities to the global community of Networking Academy Instructors. Much has evolved over the past year and we are just beginning. This session outlines the Instructor Professional Development plans and tools available to all Instructors in Networking Academies as well as provides you the opportunity to participate in more offerings to come.

#### Tuesday, June 28 – Breakout Sessions

9:00 a.m. **Introducing the New Communities: Connect, Share, Inspire** ■ San Jose & Virtual  
*Bill Frey, Technical Advocacy, Cisco*  
 Engage in an interactive session that will enable you to be a power user in our online Communities. The new features allow you to connect with people across borders to work together more effectively, learn collaboratively, share knowledge and expertise, and engage in professional development opportunities. Please be sure to bring a laptop to actively participate in this session.

**Case Study: Integrating Layer 1-3 Networking Solutions to Meet Uptime and INFOSEC Requirements at an Electric Utility** ■ San Jose  
*Joe Mayes, Academy Instructor*  
 Walk through the real-world engineering of a major network expansion for an electric generation and delivery utility from a 3-site 100-drop network to a 15-site 500-drop network with uptime and INFOSEC requirements specified by FERC, PCI and other bodies. Technologies integrated include: Layer 1, T-1 voice, data and multiplexed lines, VoIP conversions, Frame Relay, Metro Ethernet, wireless bridging, public and private DSL, and copper and fiber optic carriers; Layer 2, Ethernet VLANs, wireless bridge VLANs, Wireless AP VLANs; Layer 3- Multiple EIGRP instances, multiple Internet access points, multiple DMZs on firewalls, VPN site-to-site connections, VPN remote access connections, and VPN backup links. Interactive activities will include presentation of various engineering challenges encountered during the project, with attendees proposing possible solutions. Sanitized system diagrams will be provided for use in your programs.



**Alternative Methods of Teaching Subnet Mask Basics: Subnet Masking Without Binary Math**

San Jose

*David Schamus, Academy Instructor*

Did you know that most tasks associated with subnet masks can be calculated without doing decimal to binary conversions, yet many of our students suffer unnecessarily from “subnet mask-phobia”? In this session, you will learn alternative strategies, not found in the curriculum, for helping students learn to calculate network addresses, broadcast addresses, IP Address ranges, and determining if hosts are on the same network using simple, elementary-school level, decimal-based arithmetic. You’ll be amazed at how using alternative, simpler math strategies can help your students with key networking concepts.

**Preparing Students Beyond the Curriculum: Developing Soft Skills**

San Jose

*Linda White, Academy Instructor and Karen Alderson, Cisco*

Competition is stiff in the job market. There are many IT job seekers who possess certifications, but fewer who possess the skill set to work well on teams; collaborating and solving problems with others effectively and efficiently. This session will include suggestions and specific examples for teaching a variety of soft skills to your Academy students. We’ll examine some of the Passport21 Case Studies for use in your classroom.

**Understanding ISR G2 Routers and New IOS Version 15 Licensing**

San Jose

*Kevin Hamilton, Cisco*

An interactive session where instructors will learn about the new ISR G2 routers that are available in the Networking Academy equipment bundles. Participants will learn about differences in the G versus previous models specified in lab bundles. Cisco has introduced a new Universal Image and Licensing Strategy with the introduction of the ISR G2 models. Attendees will have an opportunity to gain experience with IOS 15 and the new licensing procedures introduced with this software.

**Tips and Shortcuts to Navigate the IOS**

San Jose

*Mark Anderson, Cisco Instructor*

Wouldn't it be great to navigate the IOS without typing so many commands, being able to filter outputs for easier reading, and knowing other shortcuts no one bothered to show you? Well, this session is for you. There will be a range of topics including keystroke combinations, using aliases, telnet tricks, ways to bug systems for troubleshooting practice, basic “tcl scripts”, and much more. Most of what you learn in this session only works on real devices and only some of it works on Packet Tracer. Bring your laptop.

**Compliance Demo Lab Tour**

San Jose

*n/a*

**Cable Demo Lab Tour**

San Jose

*n/a*

**Data Center Demo Lab Tour**

San Jose

*n/a*

11:00 a.m.

**An Introduction to IPv6**

San Jose & Virtual

*Rick Graziani, Academy Instructor*

Learn about IPv6 including IPv6 addressing, types of IPv6 addresses, subnetting IPv6, NDP versus DHCPv6 and preparing an IPv6 addressing plan. Attendees will be asked to follow along in using a hands-on activity during this session.

**Incorporating CCNA Voice Topics into Classes using Packet Tracer and Cisco Gear**

San Jose

*Brent Sieling, Academy Instructor*

Bringing CCNA Voice topics into your classroom doesn't have to be expensive or difficult! Options range from using Packet Tracer to using a variety of existing equipment for labs. Participants will use the PT Master Topology to explore CCNA Voice topics using Packet Tracer



and see how 2600XM, 1841 or 2811 routers can be used with very little extra expense to introduce Voice topics.

**Intermediate Spanning Tree and Multilayer Switching**

■ San Jose

*Cope Crisson, Academy Instructor*

Discuss, demonstrate, and facilitate activities related to specific topics in switching: PVST+, Rapid PVST+, MSTP, and switch based inter-VLAN routing. The session will include discussion and demonstration of PVST+, Rapid PVST+, MSTP, and switch based inter-VLAN routing and Packet Tracer activities in PVST, Rapid PVST, and inter-VLAN routing on multilayer switches. This session is for CCNA Instructors who want to know more about PVST, Rapid PVST spanning tree and inter-VLAN routing on multilayer switch platforms. These topics are only briefly discussed in CCNA Exploration 3. Students often have questions related to these topics. This session will provide CCNA instructors a fundamental understanding of PVST+, Rapid PVST+, MSTP, and switch based inter-VLAN routing.

**IT Essentials: Start Here and Take Your Students Anywhere in the Cisco Academy**

■ San Jose

*Mike Puopolo, Academy Instructor*

IT Essentials has been the engine for Local Academy recruitment of High Schools & Community Based Organizations (CBOs) by the Regional at Bunker Hill Community College in Boston. New & dormant locals, & CBO's have adopted ITE across the Commonwealth of Massachusetts as a first course for STEM Initiatives as well as the course which launches students into the full Academy curricula. The model developed by the college is replicable & scalable across all geographic areas. The workshop includes all necessary recruiting tools, forms, articulation agreements and everything necessary to quick start a similar program. Locals looking for solution to attract students into ICT courses & programs as well as Regionals looking to expand their Academy base both into K-12 & CBO's will find a solution in this workshop.

**Gaming with Packet Tracer: How to Use and Create Games using Packet Tracer**

■ San Jose

*Brad Anderson, Cisco*

Join this session and play a short game using the Packet Tracer multiuser feature. Then follow the steps to learn to build your own multiuser game with Packet Tracer.

**VPN Technologies in CCNA Security**

■ San Jose

*Patrick Gargano, Academy Instructor*

This session will first provide instructors with a brief overview of the CCNA Security program (course content, required hardware, basic lab topology). It will then instruct participants in the basics of VPN technologies, in particular the requirements and CLI configuration of a Site-to-Site VPN between two Cisco routers. Instructors will then have the opportunity to build and test a Site-to-Site VPN using a Packet Tracer activity.

**Compliance Demo Lab Tour**

■ San Jose

*n/a*

**Cable Demo Lab Tour**

■ San Jose

*n/a*

**Data Center Demo Lab Tour**

■ San Jose

*n/a*

2:00 p.m.

**Passport21 and Aspire Game**

■ San Jose & Virtual

*Brad Clark and David Bayne, Academy Instructors*

Reality TV has nothing on this! Explore real-world simulations to teach and reinforce networking and entrepreneurial skills. Join us to experience the integration of case studies with the networking curriculum. This session will give you an idea of how P21 case studies and the Aspire simulation game can provide exciting new resources for reaching and inspiring your students, and how you can introduce and reinforce writing skills in the course. P21 also fills in a lot of the gaps found while bridging the technical networking skills with those needed in the



real world, while integrating Academy curriculum and assessment with gaming. Bring your laptops for a hands-on experience with the curriculum.

**Designing a CCENT/CCNA Boot Camp for Your Students**

■ San Jose

*Marlon Vernon, Academy Instructor*

Provide your students with the opportunity to increase their odds of passing their CCENT/CCNA certification exam on their first attempt. Participants will learn how to design and implement an intense 1 to 2 week CCENT/CCNA preparatory course and utilizing specific curriculum content, labs, tools and practice exams to better prepare students for these rigorous exams. This boot camp template will enable you to teach them how to take the certification exams by understanding the questioning styles and scenarios involved. Participants should be familiar with using the routing and switching functions of Packet Tracer.

**Introducing the New Communities: Connect, Share, Inspire**

■ San Jose

*Bill Frey, Technical Advocacy, Cisco*

Engage in an interactive session that will enable you to be a power user in our online Communities. The new features allow you to connect with people across borders to work together more effectively, learn collaboratively, share knowledge and expertise, and engage in professional development opportunities. Please be sure to bring a laptop to actively participate in this session.

**Understanding ISR G2 Routers and New IOS Version 15 Licensing**

■ San Jose

*Kevin Hamilton, Cisco*

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**Cyber Security Information, Labs and Competitions**

■ San Jose

*Rich Weeks and Geovany Gonzalez, NDG*

This session will provide an overview of Cyber Security programs, labs and competitions. Representatives from NSF ATE and National Resource Centers will present Cyber Security offerings including examples of Center of Academic Excellence 4011 labs, Security+ and Ethical Hacking. During the presentation a Cyber Security competition will be underway using a NETLAB+ online Cyber Security lab setup. At the end of the session the competition will be reviewed and discussed.

**Virtual Attendant / Connected Workspace Demo Lab Tour**

■ San Jose

*n/a*

**Executive Briefing Center Demo Lab Tour**

■ San Jose

*n/a*

**Compliance Demo Lab Tour**

■ San Jose

*n/a*

4:00 p.m.

**Using Components of Virtual Instruction to Enrich Your Distance or In-person Classes**

■ San Jose

*Jim Bergquist, Academy Instructor*

Use one or many selections from our menu of educational components! Add features to your in-person class, or gear up to implement distance learning at your Academy. This session applies to any Networking Academy course and to distance learning in general. You will find the session helpful even if you do not plan a full implementation of distance learning at this time. Your take-away from this session can be as simple as incorporating one or two new features into your in-person classes. Through activities and demonstrations, we'll cover learning management systems, learning communities, social networking, remote equipment access options, and how to estimate costs for a virtual instruction startup. We'll give examples of how



to think differently about the teaching process as you move from the in-person to the distance teaching environment and suggest professional development options.

**An Introduction to Routing IPv6**

*Rick Graziani, Academy Instructor*

Learn about routing IPv6 including IPv6 static routes, EIGRP for IPv6, OSPFv3 and a closer look at NDP. Attendees will be asked to follow along in using a hands-on activity during this session.

 San Jose

**Preparing a CCNA Voice Program for your Cisco Network Academy**

*Dale Henninger, Academy Instructor*

Thinking about adding CCNA Voice to your Network Academy Program? Participants will review the CCNA Voice (640-460) Exam Objectives and explore how to implement them as a 3-4 credit academic class. Participants will also examine a course overview, how it maps to the exam objectives and the equipment needed to perform labs. Portions of the curriculum will be presented including labs.

 San Jose

**Easily Add Wireshark To Your CCNA Class: How, What and Why**

*John Gonder, Academy Instructor*

Your Cisco router and switch live at the packet layer, and so should you and your students. For 802.3 and 802.11 - Wireshark fits into the CCNA from start to finish, shows important concepts clearly and teaches important skills. Wireshark is simple to use. Takeaways: Academy-specific trace files and sample labs will give you resources to plug in at important stages throughout the CCNA curricula. Bring your own laptop and join the hands-on; it's fun, and the packets always tell it like it is.

 San Jose

**Using Packet Tracer Practice SBA to Prepare Students for Skills Final**

*Kim Cioni, Academy Instructor*

Learn how you can integrate Packet Tracer based online skills exams into your instructional strategy. Experience the Packet Tracer Practice Skills Based Assessment process and review the feedback available to the students and instructors.

 San Jose

**Cisco Curricula and STEM: Creating Classroom Connections (U.S. Specific)**

*Nancy Null, Academy Instructor*

Learn how you can demonstrate in your classroom that the Academy puts the "T" in STEM. Identify specific STEM skills and knowledge embedded in IT Essentials, CCNA Discovery, and CCNA Exploration content, and explore ways to extend and enrich lessons with STEM-related experiences. During this hands-on session, you will have the opportunity to create at least one STEM-infused activity that you can use in your classroom.

 San Jose

**Data Center Demo Lab Tour**

*n/a*

 San Jose

**Executive Briefing Center Demo Lab Tour**

*n/a*

 San Jose

**Compliance Demo Lab Tour**

*n/a*

 San Jose

**Wednesday, June 29 – Breakout Sessions**

9:00 a.m.

**Virtualization in the Classroom**

*Dwight Hughes, Academy Instructor*

With the use of Virtualization, the ability to teach IT concepts is no longer limited by access to expensive physical equipment. Learn how products like VMware Workstation and routing-emulation software can be utilized in your classroom and by your students.

 San Jose

**Close Encounters of the Social Web Scene**

*Janis Rose, Academy Instructor*

We are the human network - that means our network contains people who are vulnerable, can be exploited, and are often the network's weakest link. This presentation will help you use

 San Jose



social websites to teach students about risk assessment, user security and online safety. Topics covered include social website privacy, false identity, permanence of information, geotagging, malware gone viral, and location broadcasts. The presentation will include live demonstrations focusing on social sites.

**CCNA Capstone Class with Packet Tracer Master Topology**

 San Jose

*Michael, McKeever, Academy Instructor*

The San Francisco City College based National Science Foundation center MPICT (Mid-Pacific Information Communication Technology, [www.mpict.org](http://www.mpict.org)) just concluded a CCNA Exploration capstone class with students at the Centre des Formations Industrielles (CFI) - Gambetta in Paris, France. The class incorporated the Packet Tracer Master Topology and Multi-User connection in a problem-based-learning environment to simulate the merging of two intercontinental trans-Atlantic network infrastructures. Learn how you can implement these tools to work with Networking Academies across town or across the country to inject some new life into your program and provide students with a bit of real world experience!

**Border Gateway Protocol: Innovative Teaching Techniques**

 San Jose

*Dave Kotfila, Academy Instructor*

The instructor used to conduct 8-hour, day-long IT training classes at an ISP for fifteen days at a time. After 45 minutes of the first day teaching students, his students were falling asleep. Come learn the techniques that kept them awake! From sources as diverse as laughter yoga, eastern meditation, sixties folk songs, and Socrates, we will learn how to teach BGP fundamentals... and have fun doing it. Expect to leave this class with a smile on your face and 90 minutes worth of BGP configurations. An original BGP lab will be part of the class.

**Digital Forensics - CSI (Connecting Science to IT)**

 San Jose

*Zoltan Szabo, Academy Instructor*

The digital forensics field requires the problem solving skills of IT students and the deep technology understanding of Cisco educated students. The traditional IT skill application in a heuristic manner and the Cisco Academy's cognitive approach give students a solid foundation to enter this exciting field of today and the future. You will learn the application of the scientific method that is IT based, but used in a scientific manner in Information Assurance, Digital Forensics, and Incident Response fields. This hands-on presentation will help you understand the value that you teach already in connection to STEM fields.

**Are You Certifiable in CompTIA A+?**

 San Jose

*Kathleen Czurda-Page, Cisco Instructor*

This session will explore CompTIA A + certification from discussion of what A+ Certification is to the importance of encouraging students to take the A+ certification exam along with how-to steps for registering for an exam. The session will include a presentation and discussion on a better understanding of the CompTIA A+ exam, preparation techniques and strategies to prepare for the exams, as well as the process of taking the exams. There will be interactive component as we go through the steps of registering for an exam, finding tools for studying for the certification, and how to purchase vouchers.

**Cable Demo Lab Tour**

 San Jose

*n/a*

**Data Center Demo Lab Tour**

 San Jose

*n/a*

**Virtual Attendant / Connected Workspace Demo Lab Tour**

 San Jose

*n/a*

11:00 a.m.

**Enhance Student Success by Engaging with Cisco Channel Partners**

 San Jose

*Jim Hamilton, Cisco*

Looking to develop deeper ties to local industry that create learning and career opportunities for your students? Cisco Channel Partners are an available and ready resource aligned with Cisco. Channel Partners are actively building alliances with academies to make a difference in their communities by providing students with



career experience and attracting local talent. Experience the tools Cisco partners are using to build their IT workforce pipeline, and learn how to craft your own dynamic engagement model that builds a bridge between employers and students.

### **Little Known Features of Packet Tracer**

*Brad Anderson, Cisco*

Packet Tracer includes a wide-range of features and functionalities. Join this session to learn about some of these little known features and how you might use these in your teaching. Learn how to avoid many of the “gotchas” that people experience when using and creating activities in Packet Tracer. Practice using the physical mode features, learn to create and save a PKZ file, follow the steps to connect multiuser Packet Tracer sessions and many more.

 San Jose

### **Cloud Computing and the VMware IT Academy: What They Are All About and Advantages To Education**

*Dave Nelson, VMware*

Cloud Computing is a new paradigm in the IT field and promises to be a significant technology for the future. Cisco, EMC and VMware have created one stop shopping for Cloud Computing called VCE (Virtual Computing Environment). The session will cover the evolution of the underlying technologies and how the VMware IT Academy prepares students with the technical skills to become certified in virtualization and cloud computing technologies to position themselves for careers in this exciting field. Joining the session will be David Kotfila, Director, Cisco Academy CATC, Rensselaer Polytechnic Institute, Troy, New York, Dwight Hughes from Clark College, Vancouver, WA and Jon Tholstrup, Fort Hays State University, Hays, KS. who participate in the VMware IT Academy. And will include a live demonstration of NDG’s NETLAB+.

 San Jose

### **DISASTER! How to Thwart It**

*Mark Griffin, Academy Instructor*

Disaster Recovery is rapidly emerging as a predominant IT industry specialty. Many aspects are already included in every Academy curriculum. This session features activities and discussion to explore the basic principles of disaster recovery, identify its presence in IT Essentials, CCNA and CCNP courses and to extend learning beyond the classroom. Participants will gain access to materials and resources to integrate disaster recovery concepts and techniques as well as opportunities for professional development and certification available to instructors and students

 San Jose

### **Fundamentals of SANs and SAN Security**

*Robert Cannistra, Academy Instructor*

Traditionally Network Engineers and Network Administrators have steered clear of Storage Technology. After all, SANs are administered by SAN Engineers, not Network Engineers, right? Not anymore! With the introduction of Fibre Channel over Ethernet (FCoE), network engineers and storage engineers are faced with the same problem that Voice Engineers and Network Engineers have been dealing with since the inception of IP Telephony: the silos need to merge. Network engineers need to know what traffic is traversing the network and now have the need to understand storage technology. This session will cover the fundamentals of storage area networks and SAN security. Attendees will work through a configuration of a Cisco MDS Switch with hosts connected via Fibre Channel HBAs. Attendees will be able to walk away with enough knowledge and material to present this to their own students.

 San Jose

### **Cisco Tools, Online Resources and IOS Fundamentals**

*Jessie Pagan, Jr., Cisco*

Introduce and explain the benefits of Cisco’s online tools and resources, discussing the following tools and resources, among others: Error Message Decoder; Command Lookup Tool; Output Interpreter; Software Advisor; Bug Toolkit; Learn the basics of a bug scrub. Then an overview of Cisco’s marquee Internetwork Operating System, IOS.

 San Jose

### **Executive Briefing Center Demo Lab Tour**

*n/a*

 San Jose



**Cable Demo Lab Tour**

n/a

San Jose

**Compliance Demo Lab Tour**

n/a

San Jose

2:00 p.m.

**Lessons Learned & Scar Tissue Earned: Teaching Technology to Young**

**People**

*Tim Flug, Academy Instructors*

For several years Inver Hills Community College in Minnesota has been offering IT courses to high school students. Hear about the programs they have developed and the lessons they learned along the way including insights to offering technology classes to middle school students; their newest endeavor. If you have ever tried classes like this at your own academy or are thinking about student recruitment efforts, come and exchange your ideas and benefit from our college's pain.

San Jose

**A Closer Look at IPv6 Transitioning Methods**

*Rodrigo Floriano, Cisco*

Learn about IPv6 transitioning mechanisms to facilitate the transition of the network from its IPv4 infrastructure to the next generation addressing system of IPv6. Attendees are strongly encouraged to follow along in a hands-on activity during this session.

San Jose

**From Toys to Tools: Ingredients to Spice up the Course of Study**

*Ken Quamme, Academy Instructor*

Technology Tools can provide you and your students with activities to cook up enthusiasm in and out of the classroom. Exploring and playing with software and hardware tools is important for the growth of students in developing soft skills and having fun while learning. Students need to gain strong experiences in writing scripts, documenting tasks and presenting research and their findings to their peers and instructor(s). Activities will help reinforce learning more technical skills in a fun and exciting way. Some of the activities will include using web cams, USB thumb drives, open source software and other resources to help engage the students and allow them to take ownership in their career and learning. Bring your own web cam to fully participate in all the activities.

San Jose

**DDTS, End Of 'X', PSIRT and IOS Deep Dive**

*Jessie Pagan, Jr., Cisco*

This CCNP session starts where its introductory CCNA session ends. It is intended as a deep dive into the world of the following technology: DDTS(Bugs) Discussion via the Bug Toolkit; PSIRT, FN's and Advisories; IOS/HW and its EoX Policy; and the Software. Attendees should have a valid CCO username and password.

San Jose

**Cloud Computing Labs**

*Geovany Gonzalez, Rich Weeks, NDG and Dave Nelson, VMWare*

During this session, up to thirty participants will utilize NETLAB+ to complete VMware IT Academy Program labs to install VMware vSphere ESXi and VMware vCenter Server. Each participant will be partnered with a peer to complete the first three labs for the VMware IT Academy Program vSphere Install, Configure, Manage course. This course prepares your students for the VMware Certified Professional (VCP) exam.

San Jose

**Strengthening IP Addressing Knowledge and Skills with Theoretical Subnetting Activities for the Advanced Student**

*Kevin Shaffer and Jon Tholstrup, Academy Instructors*

Do your students tell you they've got subnetting mastered, but you usually catch them using subnet calculators or relying on rules of thumb? Join this session to expand your set of teaching tools that target advanced students. You'll learn how to provide problems to students that will release them from their dependence on rules of thumb and subnet calculators. Learn about why specific rules exist for subnetting and go about breaking those rules. Then, take problem sets back with you and turn your students loose on them to expand their understanding of IP

San Jose



addressing architecture and solidify their grasp of the traditional subnetting rules. Recommended for instructors that have a firm grasp on subnetting and a need to provide additional challenges to their advanced students.

- Data Center Demo Lab Tour** ■ San Jose  
*n/a*
- Virtual Attendant / Connected Workspace Demo Lab Tour** ■ San Jose  
*n/a*
- Cable Demo Lab Tour** ■ San Jose  
*n/a*

3:30 p.m.	General Session	
	<b>San Jose Event Close</b>	■ San Jose






**Thursday, June 30**

8:30 a.m.	<b>Little Known Features of Packet Tracer</b> <i>Brad Anderson, Cisco</i> Packet Tracer includes a wide-range of features and functionalities. Join this session to learn about some of these little known features and how you might use these in your teaching. Learn how to avoid many of the “gotchas” that people experience when using and creating activities in Packet Tracer. Practice using the physical mode features, learn to create and save a PKZ file, follow the steps to connect multiuser Packet Tracer sessions and many more.	■ Virtual
9:30 a.m.	Group chat with Brian Anderson	
10:00 a.m.	<b>Applied Design Knowledge for CCNA</b> <i>Cheryl Schmidt, Academy Instructor</i> Do you know how industry keeps responding to the Cisco survey that they want our Cisco Academy students to be able to design networks? We all know that network design is a higher level of applied knowledge. Students have to understand how networks operate before they can design something, right? What a challenge for all of us. Come see some exercises that you can experience, have, and use in your class to take your students to this higher level.	■ Virtual
10:30 a.m.	Group chat with Cheryl Schmidt	
12:00 p.m.	<b>Preparing Students Beyond the Curriculum: Developing Soft Skills</b> <i>Linda White, Academy Instructor and Karen Alderson, Cisco</i> Competition is stiff in the job market. There are many IT job seekers who possess certifications, but fewer who possess the skill set to work well on teams; collaborating and solving problems with others effectively and efficiently. This session will include suggestions and specific examples for teaching a variety of soft skills to your Academy students. We’ll examine some of the Passport21 Case Studies for use in your classroom.	■ Virtual
1:00 p.m.	Group Chat with Linda White and Karen Alderson	
1:30 p.m.	<b>Understanding ISR G2 Routers and New IOS Version 15 Licensing</b> <i>Kevin Hamilton, Technical Advocacy, Cisco</i> An interactive session where instructors will learn about the new ISR G2 routers that are available in the Networking Academy equipment bundles. Participants will learn about differences in the G2 versus previous models specified in lab bundles. Cisco has introduced a new Universal Image and Licensing Strategy with the introduction of the ISR G2 models. Attendees will have an opportunity to gain experience with IOS 15 and the new licensing procedures introduced with this software.	■ Virtual
2:30 p.m.	Group Chat with Kevin Hamilton	

**On-Demand**

On-demand	<b>Cisco Live Sessions</b> <i>40 sessions from the annual event free, visit the Virtual Event for topics</i>	■ Virtual
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|-----------|---|---|
| On-demand | <b>Video at the Heart of Learning</b><br><i>Dr. Lance Ford, Education Business Development, Cisco</i><br>Cisco is forecasting that by 2013, video will be 90% of all consumer IP traffic and 64% of Mobile. In the education environment, recording content is certainly not a new idea. However, being able to use a single tool to record, broadcast and interact synchronously via two-way video communication in qualities up to 1080 has become the new standard. The recorded message can now be simply captured and, in an automated fashion, quickly distributed, providing opportunities for instructors to reach their students prior to the live interaction. This session will focus on the process of infusing various forms of synchronous and asynchronous video into lesson and course delivery.      |  Virtual   |
| On-demand | <b>Packet Tracer Master Topology: How to Conquer a Giant</b><br><i>Glenn Wright, Academy Instructor</i><br>Discover how you can use the master topology and other sample Packet Tracer activity files to enhance learning. Expose students to new technologies and extend their learning experience. Discover how to use these materials to teach students to research new topics and use discovery learning to determine how to configure and implement these technologies.  |  Virtual   |
| On-demand | <b>A Closer Look at IPv6 Transitioning Methods</b><br><i>Rodrigo Floriano, Cisco</i><br>Learn about IPv6 transitioning mechanisms to facilitate the transition of the network from its IPv4 infrastructure to the next generation addressing system of IPv6. Attendees are strongly encouraged to follow along in a hands-on activity during this session.  |  Virtual   |
| On-demand | <b>Applied Design Knowledge for IT Essentials</b><br><i>Cheryl Schmidt, Academy Instructor</i><br>Provide your students with a "real world" experience of building a computer. This session allows you as a teacher to experience the exercise as if you were a student. The session includes how this exercise might be done in an on-line environment, as a homework assignment, or as a team assignment. Best practices will be shared at the end of the session.  |  Virtual   |
| On-demand | <b>10 Easy Ways to Use Humor to Jazz up CCNA Lectures</b><br><i>Jeff Mason, Academy Instructor</i><br>Ever have your students nod off during Access List lectures? Or see their eyes glaze when talking about OSPF? Come and learn ten easy ways to jazz up your CCNA lectures that will get your kids laughing, having fun, and learning. From access lists to OSPF, wireless to spanning tree, we have special content you can add to lectures, and your kids will never forget your class. Here's a peek: Do you know what movie has Harrison Ford writing access lists?; What does Mr. Rogers have to do with OSPF? You'll get video clips and other ideas on password recovery, wireless, access lists, OSPF, spanning tree, subnetting, routing, and many more. Come prepared to share your own best practices. |  Virtual |

## Questions

Go to [www.cisco.com/go/academyconference](http://www.cisco.com/go/academyconference) or email us at [academyconference@external.cisco.com](mailto:academyconference@external.cisco.com).