NO	CODE	NAME	Bio	Pie	Paper	COMPANY	TITLE OF TUTORIAL	BIODATA OF SPEAKER	ABSTRACT OF TUTORIAL
1	TTA:3G Data Natworks: Design Isaues & Case Studies	Simon Newstead	1	1	0	Juniper	3G data network – design	Simon Newslead is the Mobile Product Menager for Juniper Networks in Asia Pacific, based in Hong Kong, In this rote, Simon works together with leading writeres operators in Japan, Korea, China and other parts of Asia Pacific, helping to define and ordioutnot wentbolle data services and in the design he network inflatioustice to support them. Prior to this rote, Simon was the network consultant based in Juniper's Melbourne office, leading efforts on Testra, Asp and of his rote, Simon was the network consultant based in Juniper's Melbourne office, leading efforts on Testra, Asp and of his rote, Simon was the network consultant based in Juniper's Melbourne office, so well as RIDN's now he largest MPLS network in Australia which supports both fixed as well as mobile services, he also helped design and implement Testra frame Public Will hiddepto fetfing, launched carlier this year. Simon joined Juniper through he acquisition of Unisphere Networks, where he helped design all which were consultant with Siemens for three years half of which was spent at global headquarters in Munich. There, Simon was don't neglonal sales support, and worked together with leading operators including Deutsche Telecom. Tele Denmark and Col. Implementing newed at	Half-day Litorial. Drivers of mobile network evolution Overview of SoPP standards Standards that impact Mobile baddone and GGSN Infrastructure Inter-working of Core network with external networks -33 Service policy management -P will media Subsystem -P Security -P Multimedia Subsystem -P Security Transition of Interfaces to IP -Ib-CS, Nb, Signaling -P RAN -SPP and WL-N Integration -WL-N working group at SA2 Service based charging and control -P UTRAN— design and implementation issues Bearer-independent CS architecture
2	TTA:Traffic Engineering Beyond MPLS	Arman Maghbouleh				Cariden Technologies	Not Just MPLS: Practical Strategies for Traffic Engineering (1/2 Day Tutorial)	Arman Maghbouleh has extensive experience in network design consulting and tools development. He is currently the President of Caridon Technologies where he works with network operators to develop routing and traffic management solutions. Arman's academic interests are in approximation algorithms for NP-Hard combinatorial optimization problems. Arman holds are eightered packholds degree from Harvey Modd College and post-graduate degrees in Cangular Selevius. Statistics, and Linguistics from Yale and Starford Universities. Arman has recently presented talks at NANOS, IMPLSon, and Opticomm.	Traffic Engineering is the control of routing to balance efficiency and performance objectives. It is an important and fundamental network operations task. Most record iscussions of the topic-have centered on protocol en ancoments for IMPLS. The in ractice, however, TE is signify bound with network topology and operational considerations which have bed carriers to implement a broad range of traffic on placenting techniques. In this tutorial, we provide a practical overview of traditional pre-MPLS. TE practices MPLS colleges and new computer-added approaches. Sample of discussed topics: **TE saving a from smart failure planning usually far outweigh benefits from load-palancing under notative conclusions. **Record scientific advancements in pure IP control provide a scalable alternative to MPLS TE. **DynamicMPLS. TE can actually decrease network realizings. **Province of the province of the prov
3	TTF:802.11 Tech for Hotspots & WISPs	Matt Peterson				BAWUG	802.11 Tech for Hotspots & WISPs [Full Day Tutoria[]	Matt Peterson is the founder of the Bay Area Wireless Users Group, BAWUG fosters education and networking between San Francisco area WLAN enthusiasts and companies. His work has been featured on TechTV, Wall Sheet Journal Wired and other publications Mr. Peterson is chief architect at Surf and Sp. a worldwide hotspot operator with 400+ locations.	Mr. Petersor's warkshop will provide a wealth of information on 802.11 Mireless LAN networking, particularly relating to WISP (last 3km) and Hotspot (last 10m) markets. Peterson has be unique prospective of consulting in both fee and fee dejploments. Topics include: *Business Models—What motivates VCs and the gederal of the consultations, anterna choices *Design—Sile surveys, engineering reliable links, cooperating with competitors, anterna choices *Hardware Software Review—Shapet of deviables commercial and thomegrown* solutions geared for hidspot. WISP and other hybrid deployments *Security—Physical concerns, captive portiats, 8102.1x, RADIUS proxy, reaming with aggregators *Case Studies—Gnapshot lock at a profil—the morphaies and non-profit worldwide groups (BARNN), WhelessLinder, etc) Participants are expected to have working showedge of the ruding and allesst some exposure to wireless retworking (802.1th/sig, InDA, Buetooth, etc).
4	TTF:Anti-Spam & Anti-Net Abuse	Suresh Ramasubramani an				APCAUCE	Anti Spam & Anti Net Abuse [Full Day Tutorial]		
5	TTF:Beyond Fault Management- Implementing a NOC	Jim Thompson				Cisco	Beyond Fault Management - Implementing a NOC [Full Day Tutcria[]	Industry best practices. Jim retired from the U.S. Army in 1991 as a Sergeant Major after 20 years of service. He worked C.44 from un filed command through division level, including special operations. Jim besigned and built data instructives that interfaced with fixed station entry points as well as tactical radio systems including mobile subscriber.	The session will begin by looking at the issues which make an organization need a formal NOC. This will be followed by the basics of fault management, how to move from hese basic principles into practical thresholds and a diagnostic approach to maintaining he network. The use of statistical methods will be discussed as a means of analyzing the constantly growing mass of data the performance management systems produce. We will focus on developing a methodology using basic statistics and probability distinctions to identify critical thresholds for a network. Another of our goals will be to help attendees understand the factors needed to drive down the mean-tyme-to-repair (MTTR).
6	TTF:Constructing Internet Exchanges	Bill Woodcock				Packet Clearing House	Constructing Internet Exchanges [Full Day Tutorial]	understanding and supporting internet traffic exchange technology, policy, and economics. Bill has operated regional and national internet service provision and content delivery networks since 1989, and currently spends most	This tutrial introduces attendees to the technical, organizational, financial, and political intowedge necessary to construct an internet Exchange (IX). We will cover needs assessment, organization of potential participants site selection orients, regulatory issues physical requirements and construction maintenance, and planning for growth. This is a full day tutrial at an introductry level, appropriate for ISPs and IX organizers, as well as members of the telecommunications regulatory and economic development policy community.
7	TTF:Convergence of Data Network Tech to a Common Packet Backbone	David O'Leary				Juniper	Convergence of Data Network Tech to a Common Packet Backbone (Full Day Tutorial)	David Of Leay has almost 20 years of industry experience, including both running networks and product development. 1863-69 - Camegé-Mellon University and Pittburgh Supercomputing Center - Installing and supporting compus network, regional network to other university compuses and APPAnet NSFnet cornections. 1869-92 - StRAnet Tearlincial Manager, operations and engineering for largest NSF-funded regional network and FIVE-East, one of the first intense exchange points 1982-96. Closo Systems - (Nen ages) Consuling Engineering, supporting university, large enterprise, and service provider unioner product requirements and network designs 1998-greenst - Juniper Networks Director. Consulting Engineering working with outstances on network designs 1998-greenst - Audio Active on NANOS Orgoram committees enter 1997 Active participants in EET since 1990.	This lutter all will focus on the evolution from multiple separate data networks within a service provider's infrastructure to a common backbone based on packet technologies. Motivation for this tend will be presented, along with transition models and an overview of the various standards being developed. Tradeoffs between different technical and architectural options will be described. Options for Frame Relay, ATM, and TDM networks will be discussed, along with issues of integring public internet affect with traffic over private data networks. Recommendations on techniques for delivering and interworking QoS will be provided. High device and network a valiability needed to support multiple services will be
9	TTA: APNIC Internet Resource Management Essentials	John Hing Champika Wijayatunga & Miwa Fujii				APNIC	Internet Resource Management Essentials (1/2 Day Tutorial)		The APNIC Routing Registry is fully integrated in the existing APNIC Whole Database and it is available to all APNIC members. This lutorial provides opportunities for participants to learn features of Routing Registry, basics of Routing Policy Specification Language (RPSL), how to express routing policies using RPSL and how to extract nutrilegolides from the APNIC Routing Registry using RCorfig tool. There will be some hands on demonstration on the use of RCorfig. Topics covered are: - APNIC disabase recap - What is IRR OWNy use an IRR? O APNIC distabase and the IRR o Using the Routing Registry o Benefit of using IRR - RPSL - RPSL ORR objects review o Using RPSL in practice o IRR queries o Address prefix operator o AS-path regular expressions o Action specification o Syntax of policy actions and filters - RCorfig ORR ToolSet up lions o RCorfig command o Case studies o Using RCorfig command - The rest of the IRR RootSet Interest adultions: This lutorial is aimed at people who are already familiar with the APNIC Whole Database and want to learn more about the APNIC Routing Registry. A basic understanding of BGP routing and the APNIC Whole Database is assumed.

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10	TTP: APTLD Technical Warkshap	ChrisWright. Jeff Yeh & Hirofumi Hotta				APTLD	APTLD Technical Workshop (1/2 Day Tulorial)	Chris-Wright is Chief Technology Officer of AusRegishry Ply Ltd., the company charged with running the .au domain name regidity and its associated DNS and Whols services. Chris designed and managed the construction of the current AusRegishry EPP Registry system, which is still the only registry system in the world to feature. "Read Time" dynamic DNS updates. Ctris has a vest experience with DNS, before becaming the .auregistry operator, AusRegistry (or Registrars-kais as it was brown then) was a well established. CANN accredited domain registrar for whom which Chris designed andmanaged the DNS infractuates. He considered with and systemany presentation to Australian government departments on good DNS principles and DNS management. Prior to this he was responsible for designing and building the front and back and of AusRegistry Chrourbs current week hosting and damain registration system. He has a degree in computer science and a vast array of experience as a network engineer and software developer. Previously he has been involved in the setup up of networking in schools and software developer. Previously he has bed significant involvement in the development numerous systems.	
							APTLD Technical Workshop (contd)	Jeff Yeh has joined TWNIC (Taiwan Network Information Center) since February 2002. He is mainly responsible for TWNIC domain name registration system and .tv registry database maintenance. He is a member of TWNIC RAD (team, devoting into me internet standards and new technology. He is also positioning as ISOC Taiwan Chapter Internet technology consultant. His education badground is as below: Bachelor of Information Engineering, Fu-jen Catholic University. Master of Computer Science and Engineering, National Sun Yat-sen University; Major in Image Processing, Networking.	
							APTLD Technical Workshop (confd)	Hirdum Hotta was Chairman of Asia&Pacific hiemed Association in 2000-2001. From 1999, he was amember of Names Council of ICANN Domain Name Suppring (organization for 2 years), he was one of the start-to members of UPRS, which is a "P registry from 2001, where he is responsible for business planning including DN and BNUM. He was amember of ICANN DN registry implementation committee and he is Vice-chairman of ENUM Trial Japan (ET-P).	
11	TTF:htroduction to	Jeff Doyle	1	0	Cannot submit paper on time	Juniper	Introduction to IPv6 [Full Day Tutorial]	Specializing in IP routing protocols, MPLS, and IP-46, Jeff Doyle has designed or assisted in the design of large-scale IP service provider networks throughout North America, Europe, Japan, Korea, and the People's Republic China. Jeff is he author of COEP Professional Development Routing TOPIP, Volumes I and II, is an elidar and combroully author of Junipar Networks Routiers. The Compilee Reference, and is the author of a new series of books on large-scale networks, pud this presented numerous corporate seminars, and has also spoken at NANOG, JANOG, APRICOT, and at IP-96 Forum conferences.	3. Header Formats and Extension Headers
12	TTF: Network Security: The principles of Threats, Attacks, Intrusions	Ray Hunt	1	1	1	University of Canterbury	Network Security: The principles of Threats. Attacks, Intrusions (Full Day Tutorial)	networks and network security. In addition he has provided numerous training ocurses on Networks and Security for the industry in Australia, New Zealand, Singapore, Hong Kong, Thalland, Maliaysia and Talwan. Purther, he has addressed a variety of conferences in Australia, Singapore, China, Hong Kong, U.S.A. and Europe. He has aded as a telecommunications consultant for a number of lebos and other companies in the Asian-Paditic region and works as an adviser on aspects network architecture, security and design as well as advising industries on a wide range of telecommunication topics. He is well know in Asia in particular where he has run training workshops over the last 15 or	Internet Intranel architectures are built upon apair of protocols designed over 25 years ago and to which virtually no consideration was given to security. Although the Pv6 networking family has been designed to address this issue, the majority of existing network infrastructure is subject to substantial threats. This lutural examines the current security risks resulting from using TCPIP by network providers and ISPs and how these threats reliated to a fact carried by these providers on behalf of their customers can have such developed facts. Further this lutural deseries to be good address possible focusing particularly or hold writeless local wide eare networks. These threats are largely contract on P milling IP poorfing TCP P higaking and Districted Denial of Service attacks. Although frevalls have been designed to provide protection for many of these services in wholess networks, it is nownecognised that they can be before and that DS phrusion. Detection Systems are necessary to complete the TCPIP security framework. This lutural view example DS a reflectures and demonstrate the bed mitigues by which TCPIP vulnerability can be detected. The lutural will include a live demonstration of a number of attacks on the TCPIP protocol suit and show how such attacks.
13	TTP:Introduction to SP & VolP Open Source	Ruwan Silva				Lanka Communications Services	Introduction to SIP & VoIF Open Source [1/2 Day Tutorial]	Graduate of BSc Eng(Computer Engineering) from University of Peradentys, Sri Lanka Lindergradulate project Designing of a use agent for communicating with a Session Initiation Protocol (SIP) server Professional Experience Implementation of Open Scuro SIP servers (NOCAL and SER) at the company Experience in VoIP technologies based on H.323 on cooperate networks using Products such as Cisco, Milter, TechDigital Other Implementation of WOCP versions 1 and 2 with Squid Experies involved gin In Linux	The Session Philistian Protocol (SP) is getting quite popular among VolP research groups as well as companies, over the past couple of years. This paper attempts to provide an introduction to SIP and to illustrate its architecture. Further it tries to explore some of the Open Source implementations of SIP, namely the Vovida Open Communication Application Library (VOCAL) and the SIP Express router (SER).
14	TTP:Next Steps in Broadband Services & Networks Designs	Robert Healey				Juniper		Robert He aley is the product manager for edge routing /broadband services for Juniper in Asia Padilio in this role has helps design and plan advanced broadband networks with leading carriers in Japan, China and throughout the rest of APAC Prior to joining Juniper Robert was technical marketing manager for Unisphere Networks, and previously worked for MCI /Worldoom.	As Broadband usage hits new highs for access speed, subscriber count and access methods, we take a look at the evolution of broadband services beyond basic internet access—what's been deployed? Where is the revenue apportunity? What services are planned for deployment in the next six to twelve months? Linked to hese services we will lake through the following importunit optice. Access models for subscriber management—(Moving away from PPDE but still need control of your subscribers) Delivering common services across-multiple access plofforms on ADSL, VDSL, Metro, Wheless LAN and mobile. Ther doe if Multicast is Broadband Networks How will vide and wide affect the treadband network and how to manage the impact (while maintaining broadcast quality)