



The Pacific Network Operators Group 23rd Educational Conference and Workshop

**AGENDA & PROGRAM**

Date: 03-07 Dec., 2018

The following is the PacNOG 23 Tentative Conference Agenda and 5 Day Program

**DAY 1: 03 Dec 2018 – CONFERENCE & TUTORIALS**

Venue: all sessions of PacNOG 23 are held at the MIR

- 0815 - registration open
- 0855 - everyone seated
- 0900 - opening session followed by Keynotes and Conference session
- 1000 - Group Photo
- 1015 - Tea break
- 1045~1230 - Continue on Conference session on topical presentations from speakers and countries on network and internet technologies, best practices and case studies
- 1230~1340 - Lunch break
- 1340~1530 - Tutorial on refreshers and introductions to
  - 1. IP routing
  - 2. network security
 (or other topics like wireless planning/ or transport & network access audit TBC)
- 1530 – Tea break
- 1600 - End of Day 1 formal presentations
- 1630 - Evening networking function

**DAY 2 – DAY 5: 04-07 Dec 2018 – WORKSHOPS & HANDS ON TRAINING**

Venue: All sessions of PacNOG 23 are held at the MIR

Start 0900: End 1700: Breaks 1015(20mins); 1230(60mins); 1515(20mins)

IMPORTANT: Participants must state with their pre-registration form only one workshop to attend; Either Track 1 or Track 2 workshops as shown below:

<b><u>Track 1 IP Routing workshop</u></b>	<b><u>Track 2 Network and Internet Security workshop</u></b>
1. Introduction to IP Routing	1. Network Security Fundamentals
2. Routing Protocol Basic	2. Security on Different Layers and Attack Mitigation
3. IPv6 Address Structure	3. Cryptography and PKI
4. Routing Lab Topology Overview	4. Device and Infrastructure Security
5. Operation of OSPF Routing Protocol	5. Operational Security and Policies
6. Lab Exercise on Basic Router and OSPF Dynamic Routing Configuration	6. Virtual Private Networks and IPsec
7. Basic BGP Operation	7. IPv6 Security
8. BGP Attributes and Path Selection Process	8. Route Filtering
9. BGP Scaling Techniques	9. DNS Security
10. Lab Exercise on iBGP, eBGP, RR, Peer group etc	10. Implementing Secure Administrative Hosts (Jumphost)
11. Internet Exchange [IX] Policy Overview and Configuration requirement	