



MACQUARIE  
University

Big Data Society  
Data Analytics Research Group  
Department of Computing

## **\*Free\* Student Workshop**

# **IP Networking, Data Centre and Cloud**

**Date:** Thursday, 21 February 2019

**Venue:** 14 Sir Christopher Ondaatje Avenue, E7B Building, T5 Theatre, Macquarie University  
<https://timetables.mq.edu.au/scientia/web/14SCOT5.html>

**Register:** <https://www.eventbrite.com.au/e/mqitic-free-student-workshop-ip-networking-data-centre-and-cloud-tickets-56538858247>

**Certificate of Attendance:** All attendees will receive the certificate of attendance with MQ and ITIC logo.

### **Workshop in a Nutshell:**

09:30am-10:00pm : **Registration**

10:00am-12:00pm : **Morning Session** - IP Networking

12:00pm-02:00pm : **Lunch**, Networking, and Big Data Society Executives 2019 Election.

02:00pm-04:00pm : **Afternoon Session** - Data Centre/ Cloud

---

### **Workshop Details:**

ITIC is running a free, one day technical workshop for University students who are interested in IT and in learning more about IP Networks and Cloud Computing.

The event will be held on-campus (Macquarie University) and all students are invited to attend.

In this technical workshop, you will get access to information on the latest technologies and our goal is to help you develop a good understanding of technology, industry trends and opportunities.

The technical workshop will include 2 sessions, morning and afternoon.

<b>10am-12pm : Morning Session - IP Networking</b>
--

This session covers:

- IP routing and IP service technologies including IP addressing, routing protocols, access control list, network address translation
- Switching technologies including VLAN, trunking, link aggregation, spanning tree, layer 3 switching
- Overview of the network security technologies
- Overview of the wireless LAN technologies
- Demonstration of how these technologies work together to deliver a functional network.

<b>12pm-02pm : Free Lunch and Networking</b>
--

The Big Data Society members will also vote for their 2019 Executives

This session covers:

- Overview of storage fundamental, storage area network, network attached storage, data production technologies
- Demonstration of Huawei's OceanStor storage solution
- Overview of cloud computing fundamentals, compute virtualization, network and storage provisioning
- Demonstration of Huawei's Fusion Compute, Fusion Manager and Fusion Access

ITIC is also promoting the Huawei ICT skills competition as a follow on for students who attend this event. This competition is open to university students globally and our technical sessions will provide you with the opportunity to compete in this event in either the IP (networks) or IT (cloud) tracks.

The 2019 ICT competition has now kicked off with the grand final coming up in May 2019 in Shenzhen China, where students who are the regional winners from universities all over the world, come together to compete in a 3 day event at the Huawei Campus. The local competition and events such as our technical workshops, are a great opportunity for students to learn about the latest data centre technologies in networking, cloud and storage and compete against their peers, with some great prizes on offer, including Huawei P20 phones and a trip to China for the overall winners.

<https://youtu.be/MHMKbkiYLVA>

---

## Sponsor: ITIC

Information Technology Intensive College (ITIC) Pty Ltd is a premier training organisation in the ICT area. ITIC is committed to supporting it's students in their endeavors in the IT industry, going above and beyond to ensure its students will find work at the completion of their courses. This commitment has led ITIC to create programs that provide work experience for students, as well as employment opportunities with companies involved in Projects.

---

## Organizer: Big Data Society

The Big Data Society (BigDataSoc) at [Macquarie University](#) is a student society affiliated with the [Data Analytics Research Group](#), Department of Computing. We are Australia's FIRST Student Big Data Society!

Website: <https://data-science-group.github.io/BigDataSociety/>

Twitter: [@BigDataSocAU](#)  
[#BigDataSocietyAustralia](#)

Email: [mq.bigdata.society@gmail.com](mailto:mq.bigdata.society@gmail.com)

---