

# 無線通訊網路期末報告

## 1. 報告日期：

- 12/27(四)[一個小時, 因為1/1(二)放假], 1/3(四), 1/8(二), 1/10(四)

## 2. 報告方式：

- 三人一組
- 報告五篇papers
- 每組報告時間: 15-20 分鐘
- 每個組員都要上台報告
- 若以兩人一組, 報告內容改為三篇papers

## 3. 書面報告繳交期限：1/16 (三) 5:00PM 以前

- 書面報告請用中文撰寫
- 書面報告頁數：10-15 頁
- 書面報告繳交格式：以電子檔(doc 或pdf 檔皆可)的方式寄給助教

## 4. 報告內容由五篇papers 整理出來, 最主要報告的那篇必須是2007 年發表

## 5. 請從下列 conferences, journals, magazines 挑選 papers

### • Conference:

Infocom, GLOBECOM, ICC

### • Journals:

IEEE Transactions on Mobile Computing, IEEE Transactions on Wireless Communications, IEEE Transactions on Vehicular Technology, IEEE/ACM Transactions on Networking, ACM/Baltzer Wireless Networks, ACM/Baltzer Mobile Networks and Applications

### • Magazines:

IEEE Network, IEEE Wireless Communications, IEEE Communications

## 6. 報告的完整性與關聯性為評分的主要部分

## 7. Topics of interest

- 4G mobile network architectures
- Ad hoc wireless networks
- Application specific protocols
- Call admissions and congestion control
- Content distribution networks
- Hybrid wireless communication systems
- IMT2000 and beyond cellular systems

- Internet over satellite
- Internetworking heterogeneous wireless/wire-line networks
- Mobile Internet technologies
- Mobile IP techniques
- Mobile quality of service management
- Mobility, location and handoff management
- Multimedia QoS and traffic management
- Multi-protocol architectures and devices
- Network Control and Signaling
- Network resource management
- Network topology adaptive control
- Packet and all-IP network design
- Performance of E2E protocols over wireless networks
- Proxies and middleware for wireless networks
- QoS and media streaming support
- QoS routing in wireless networks
- Routing in Fixed and Mobile Networks
- Routing in multi-hop, ad hoc and sensor networks
- Self organization of networks
- Sensor networks
- Service middleware and open interfaces
- Service provisioning platforms
- Satellite for NGN
- Terrestrial-satellite integration scenarios & techniques
- Traffic and service charging
- Transport protocols for wireless
- VoIP protocols and services
- Wireless LANs protocols and standards
- Wireless multicasting
- Wireless network security and privacy
- Wireless switching and routing techniques
- Wireless system optimization techniques

8. 如有其他問題，請撥打分機或 mail 給助教。