



通訊信號與演算法實驗室簡介

Introduction to Signal and algorithm design for Communications Lab (NTUST-SCL)

National Taiwan University of Science and Technology

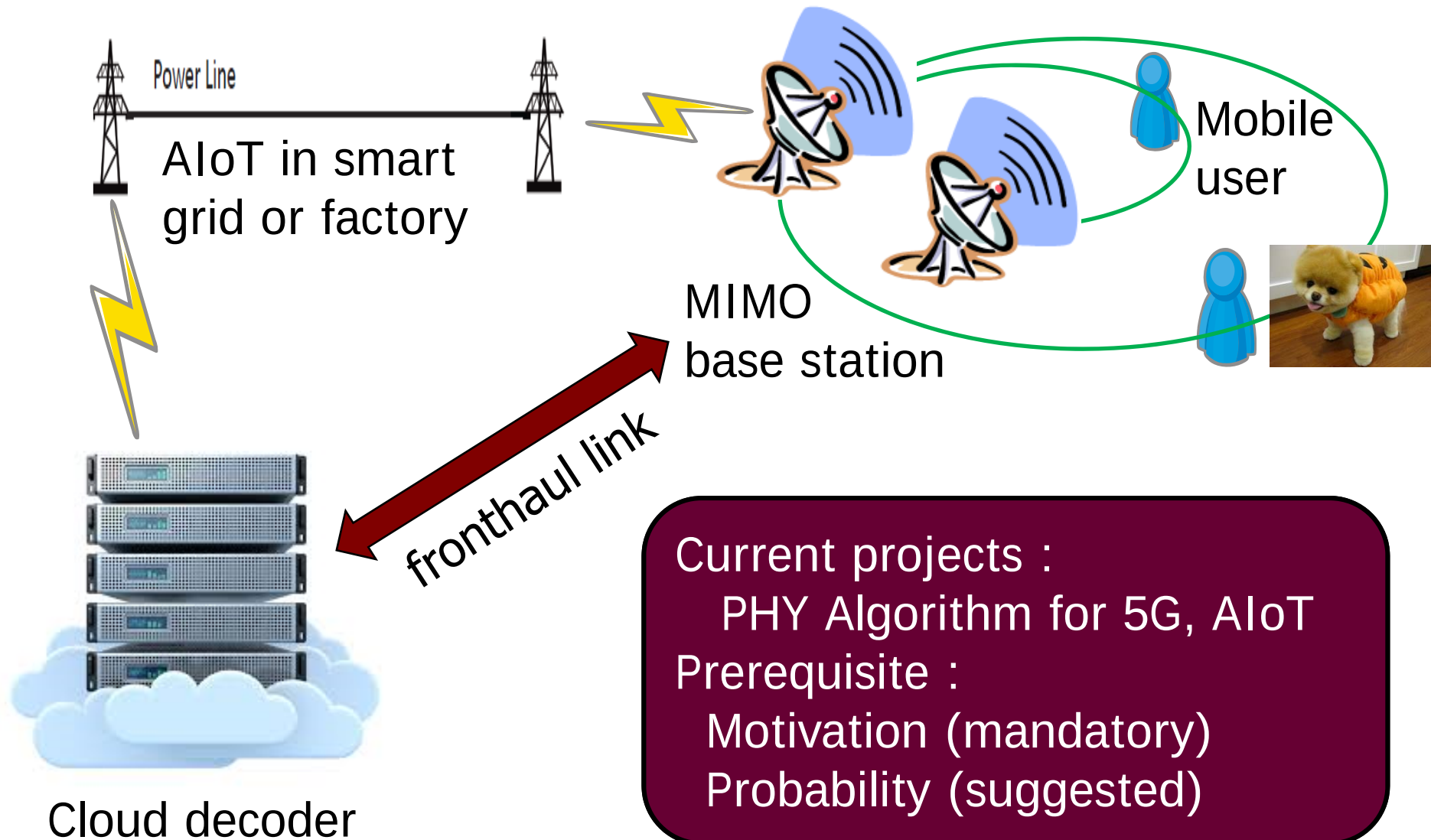
Advisor : 林士駿 Shih-Chun Lin

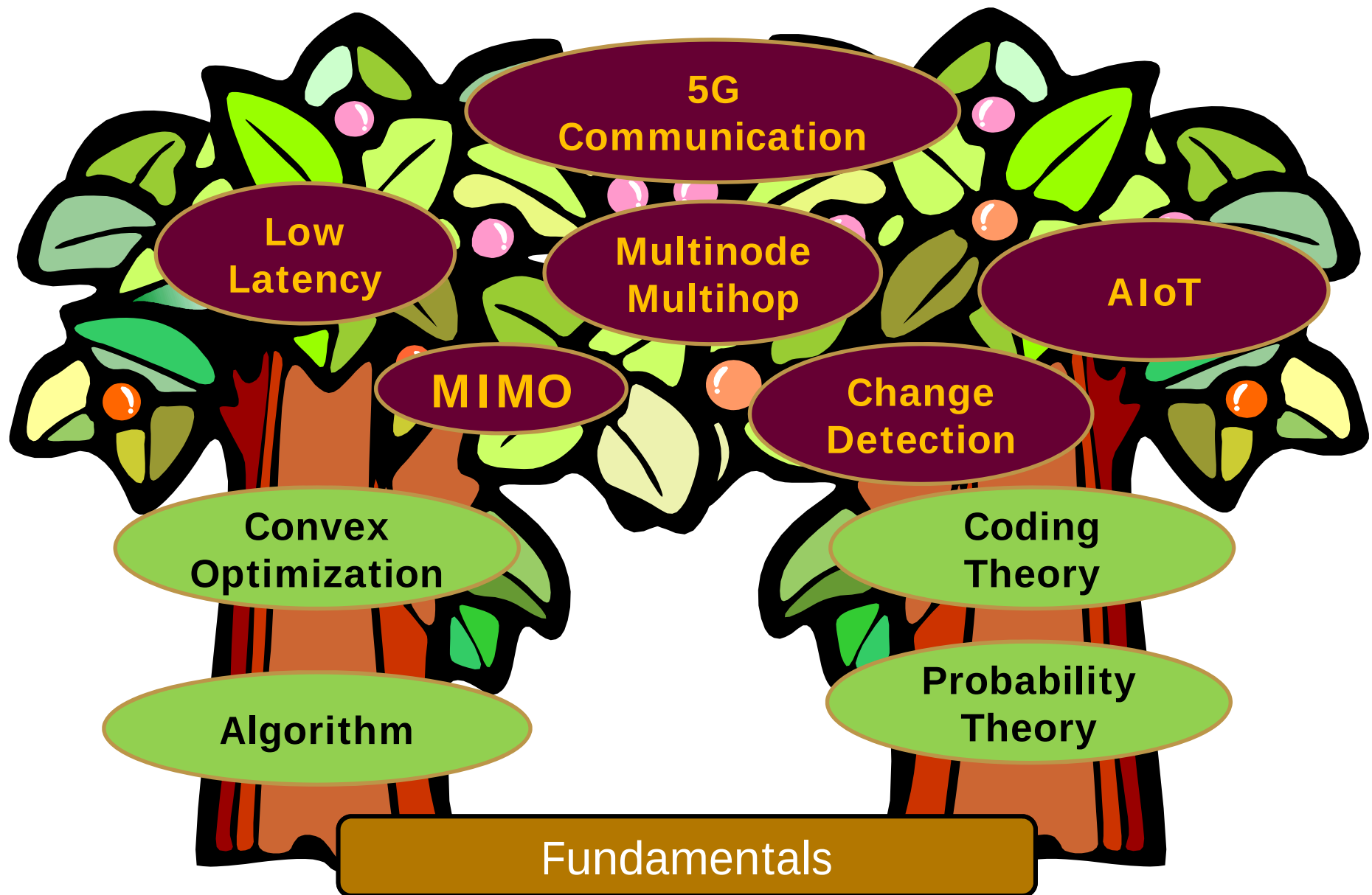
- 研究興趣/Research interest :
多用戶合作式通訊、5G、 AIoT人工智慧結合物聯網
Wireless multi-node multi-hop communications for 5G,
AIoT (AI+IoT)
- 職稱/Position : 台灣科技大學電子系副教授
Associate Professor of NTUST ECE
- 獎項/Awards:
IEEE Senior member 2018

Project for Excellent Junior Research Investigators,
MOST, Taiwan 2015, 2018 (科技部優秀年輕學者計畫)

Best paper award for young authors from the IEEE
IT/COM Society Taipei/Tainan Chapter 2018

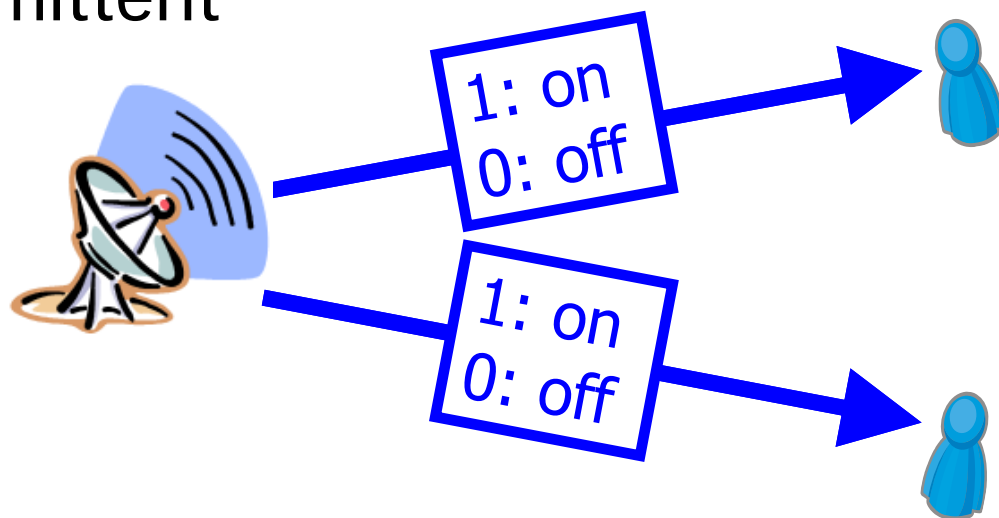
Research Scope of NTUST-SCL





Multiuser Communications with Intermittent Link Connectivity

- In future wireless system , the link connectivity may be intermittent

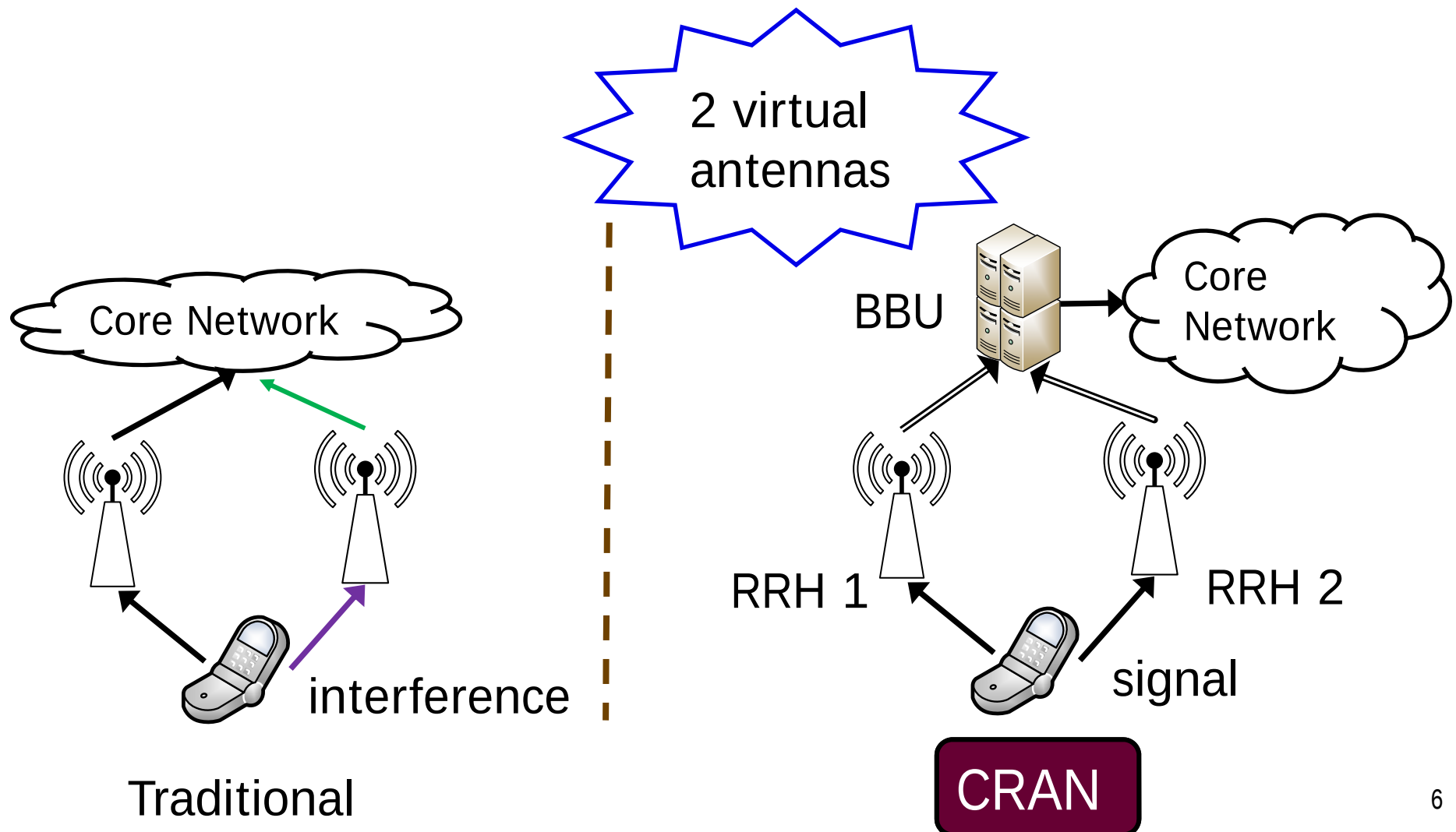


Examples : 5G Millimeter wave communications,
5G URLLC

Investigate the impact on multinode/multihop system

Cloud Radio Access Network (CRAN)

- Make virtual/network MIMO practical



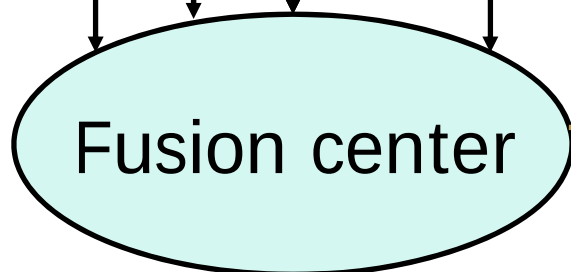
AIoT in Smart Grid or Factory



Multiple sensors monitor a time-varying event :
temperature, CO₂ density, power quality....



Design quick
and accurate
alarm system



Alarm
abnormal
event

研究合作對象/Research Collaborator

- 國際合作/International collaboration

Top schools in Germany (TU Braunschweig) and USA (Purdue, CU Colorado and CU Denver)

- 業界/Industry

- 工研院 ITRI

- 研究生多於資通產業工作, 公司包括聯發科, 華碩等
Most students works in ICT industry, including Mediatek and ASUS

聯絡我們/ Contact us

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- 更多資訊/more information :
(中文)

<http://www.et.ntust.edu.tw/et/faculty.php?user=sclin>

English

http://www.et.ntust.edu.tw/et/faculty_en.php?user=sclin

照片/Photo

<https://photos.app.goo.gl/QqkvxkcqbZjuJ8cL6>