Update to Asi@connect

26 March 2018

by
A/Prof. Francis Lee

SingAREN Members

Universities

Polytechnics

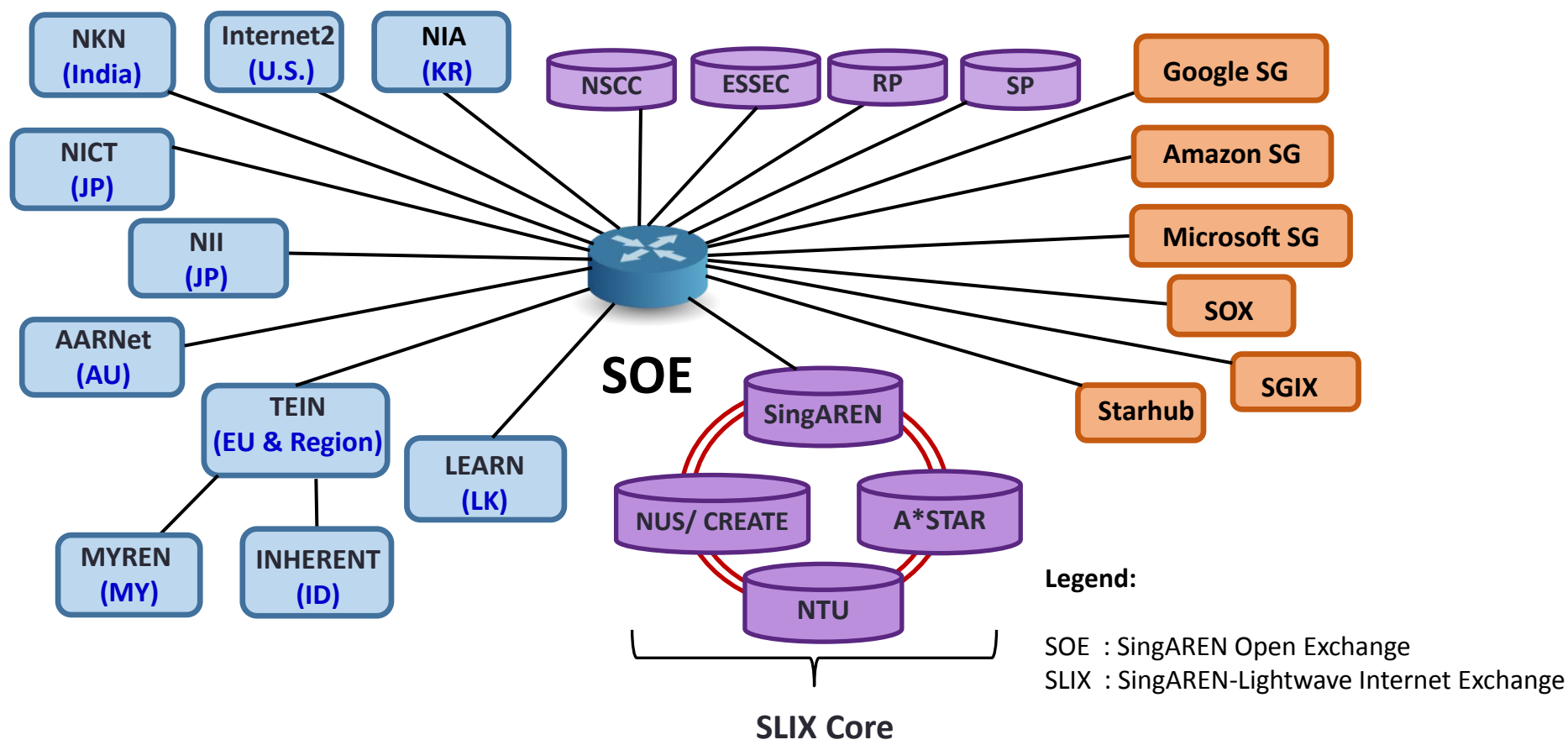
Government & Industries

Our Partners

CONNECTIVITY & INFRASTRUCTURE UPDATES

SingAREN Network Infrastructure

NKN (India)
Internet2 (U.S.)
NIA (KR)
NSCC
ESSEC
RP
SP
Google SG
NICT (JP)
Amazon SG
NII (JP)
Microsoft SG
AARNet (AU)
SOX
SOE
SGIX
TEIN (EU & Region)
LEARN (LK)
SingAREN
Starhub
MYREN (MY)
INHERENT (ID)
NUS/ CREATE
A*STAR
NTU

SLIX Core

Legend:

SOE : SingAREN Open Exchange
SLIX : SingAREN-Lightwave Internet Exchange

Connectivity upgrade

- Local
  - DWDM deployment across the SLIX backbone
  - 100G local connectivity between sties
  - Mesh network
- International
  - SingAREN, together with **National Institute of Information and Communications Technology (NICT)**, Japan and **National Supercomputing Centre (NSCC) Singapore** are collaboration partners for establishing Singapore-HK-Japan 100G circuit.
  - Remote POP deployment in LA, USA and Slough, UK are up and running.

INTERNATIONAL COLLABORATIONS

"Launch of the First 100G International R&E Link in Asia", 1 Dec 17

- Participation by international partners and SingAREN partners

- Signing of MoU - NICT, SingAREN, NSCC
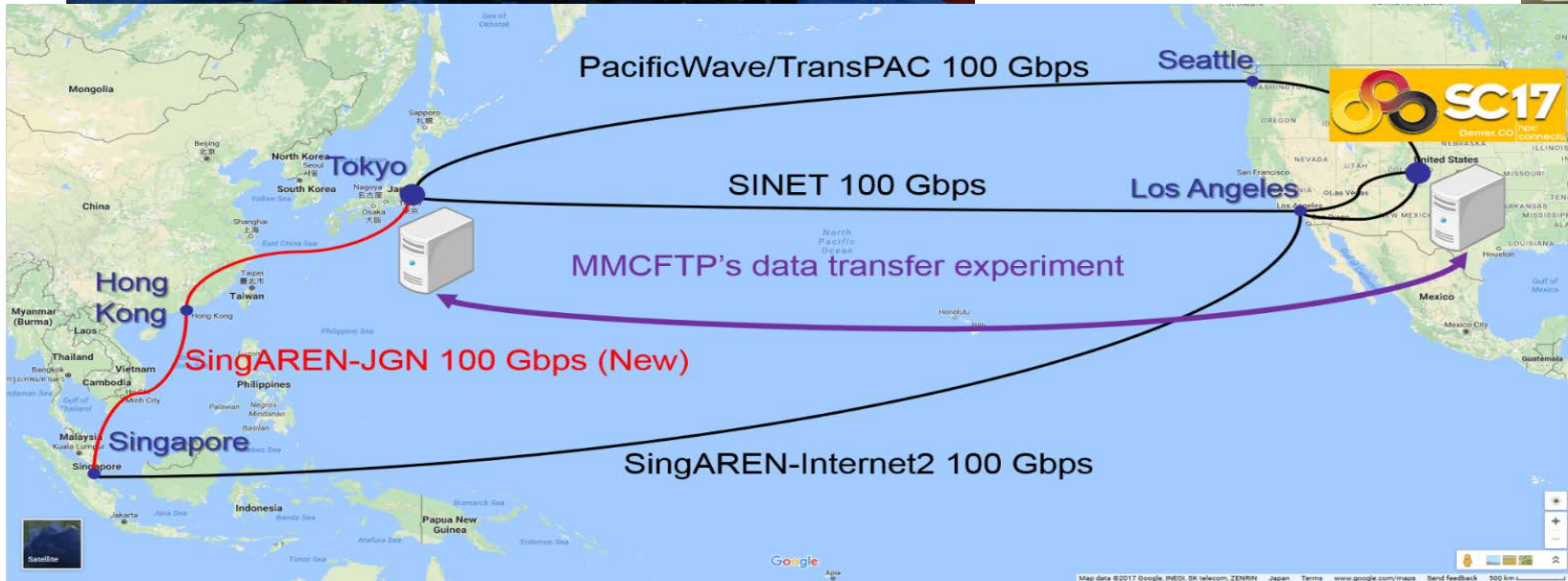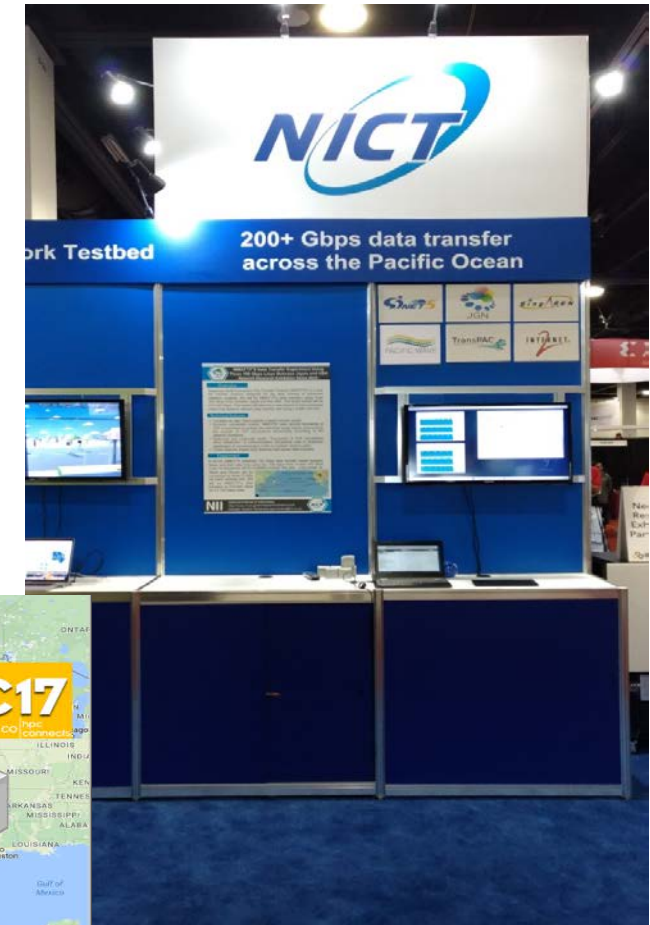   - Asia Pacific Ring MoU

Asia Pacific Ring (APR)

Objective: Facilitate advanced research and education collaboration across the Pacific Ocean.

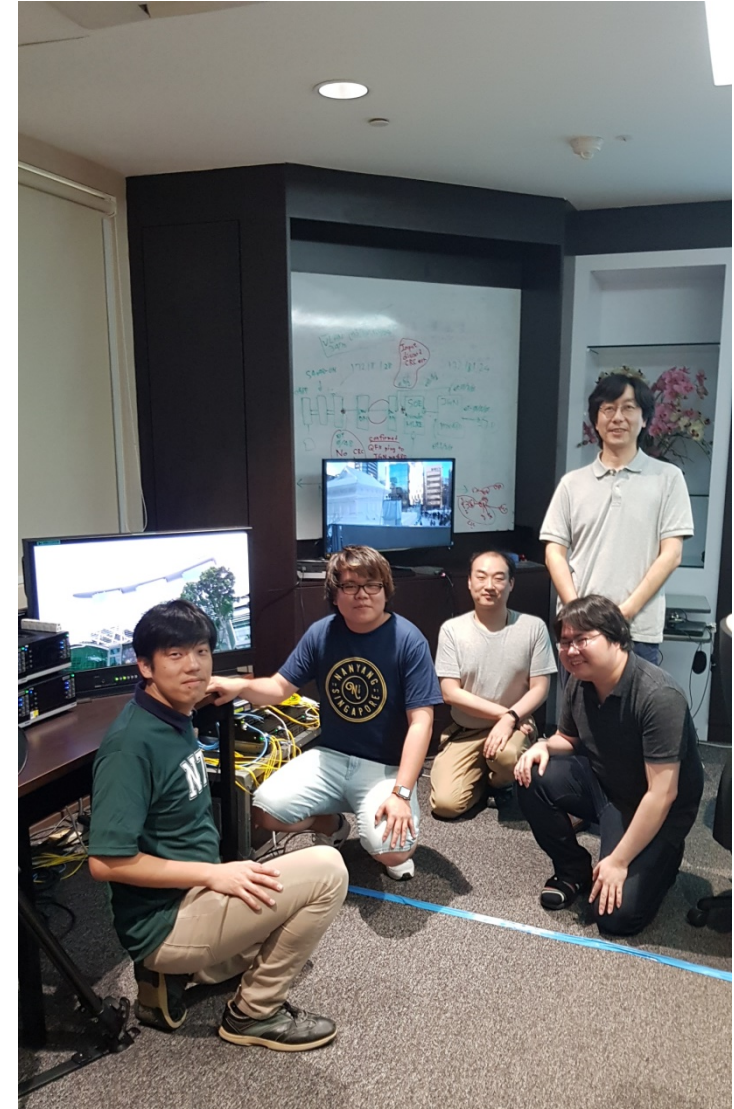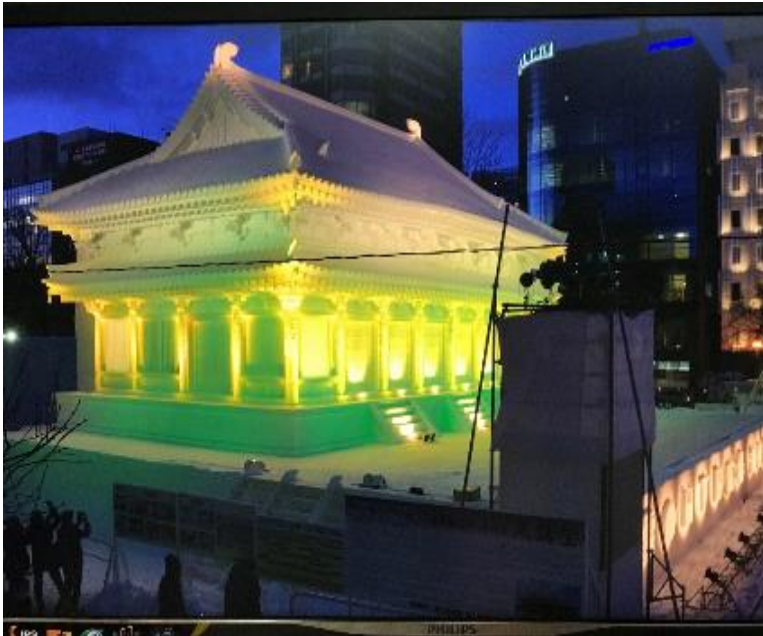# MMCFTP's data transfer experiment at SC17 (12-17 Nov 2017) Achieved 231 Gbps. Transfer rate

By
Kenjiro Yamanaka

8K video multi-path transmission + Sapporo Snow festival, 6 Feb 2018

- 8K video recording of iconic places in Singapore is broadcast live to Osaka via multiple path.

Talk on ESnet6: Building Tomorrow's Big Science Networks, 20 Nov 17

Speaker: Chin Guok, Network Engineer, ESnet Network Engineering Group, Lawrence Berkeley National Laboratory

Accelerate Research with Amazon Web Services Seminar, 12 Sep 17

Amazon Web services (AWS) organized a seminar for SingAREN members to share on how researchers could use the AWS platform to accelerate their scientific research.

https://apan45.singaren.net/

- On 25, 26, 28 and 29 March 2018, the event would be hosted at Matrix, Biopolis.

- On 27 March 2018, the APAN45 Meeting would co-locate with Supercomputing Asia 2018 (SCA 2018) which is organized by National Supercomputing Centre, Singapore (NSCC) at Resorts World Singapore Convention Centre.

THANK YOU