



>>> BKNIX PEERING FORUM <<<

& ThaiNOG Day

BPF 2024

**SUMMARY REPORT OF
BKNIX PEERING FORUM 2024**

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The THNIC Foundation and BKNIX Co., Ltd. successfully hosted the BKNIX Peering Forum 2024 (BPF2024), an event dedicated to updating participants belonging to the Internet Exchange industry on the latest knowledge, technologies, and trends. This year's forum was held as a double celebration, marking both the 8th BKNIX Peering Forum and the 10th anniversary of BKNIX, Bangkok's Neutral Internet Exchange.

Event Overview

BPF2024 served as a collaborative platform, bringing together managers, engineers, and business decision-makers from local and international ISPs, IXPs, CDNs, IDCs, Cloud, and Interconnection Service Providers. The two-day event featured meetings, presentations, and networking opportunities, emphasizing the importance of peering and interconnection decisions for network optimization.



Milestones and Achievements

BKNIX celebrated significant achievements over the past decade, including:

- The establishment of seven Points of Presence (POPs) across Bangkok
- Enhanced exchange potential and geographic diversity
- Improved convenience for members through strategically placed POPs

Keynote Presentation

A highlight of BPF2024 was the keynote address by Masahisa Kawashima, the IOWN Technology Director at NTT Corporation. His presentation, titled “How We Can Achieve Economic Growth and Global Sustainability with Optical Transport Evolution,” focused on:

- The role of optical transport technologies in driving economic growth
- The potential of these technologies to enhance global sustainability
- Innovations in optical transport that can support the increasing demands of modern internet infrastructure
- The impact of these advancements on reducing energy consumption and improving efficiency in data transmission

Key Topics and Discussions

The forum highlighted a variety of topics presented by distinguished Thai and international experts, focusing on:

- Internet Technology advancements
- Internet Resilience
- IXP Peering
- The Data Center Market in Thailand

A notable feature of the event was the panel discussion, “Internet new space”. This session gathered insights and experiences from both industry panelists and participants, fostering a comprehensive exchange on the future of the Internet landscape.

Conclusion

BPF2024 was a resounding success, attracting a diverse group of 275 on-site participants at the Carlton Hotel Bangkok Sukhumvit, Thailand. Attendees represented a wide range of entities, including Internet Service Providers (ISPs), Content Delivery Network Providers (CDNs), Internet Data Center Providers (IDCs), Carriers, Exchange Center Providers (IXPs), Universities and other relevant participants who together hailed from 22 economies, including Australia, Cambodia, China, France, Georgia, Germany, Guam, Hong Kong, India, Indonesia, Japan, Malaysia, Myanmar, Netherlands, Philippines, Singapore, South Korea, Thailand, United Arab Emirates, United Kingdom, United States of America and Vietnam.

The forum provided a valuable platform for knowledge exchange and networking. As BKNIX continues to grow and achieve new milestones, the forum remains a crucial event for the Internet Exchange community, driving innovation and industry collaboration.



PRESENTATION TOPICS

The keynote speaker, presenters, and panel discussions provided informative and interesting sessions during the BPF 2024.

1. Welcome Speech and Opening Remarks

By Dr. Gothom Arya, Chairman of THNICF



2. Session 1: Keynote Speech

How we can achieve economic growth and global sustainability with optical transport evolution

By Dr. Masahisa Kawashima,
NTT Corporation



3. Session 2: Connectivity

Guam : Cables, Datacenters and IXPs
By Mr. Jose Santiago, Guam Exchange



South East Asia's Internet Resilience
By Mr. Naveed Haq, ISOC



Dive deep on AWS edge networking infrastructure
By Mr. Fredrik Korsbäck, AWS – AS16509



4. Peering personal

ISP/OTT/CDN

- Globe Telecom
- HERZA CLOUD
- Netflix
- RAPID Networks
- SUNeVision / iAdvantage
- Symphony

Research

- RouteViews

IXP

- AMS-IX
- BBIX
- BKNIX
- Globe IX (GIX)
- Guam IX
- JPIX
- JPNAP
- SUNeVision/iAdvantage

DC

- Guam Exchange
- STT (Globe Telecom)
- SUNeVision / iAdvantage
- Telehouse

Transport/Carrier

- Globe Telecom





5. Privilege Presentation

2024 data center trends in Thailand
By Mr. Pierre Patris, ETIX Everywhere



6. Session 3: Operations & Technology

Securing Internet Routing - The Puzzle Pieces
By Mr. Tashi Phuntsho, NSRC



MANRS at a University
By Mr. Jose Santiago, Guam Exchange



7. Session 4: Panel Discussion – “Internet new space”

Moderator:

Dr. Panita Pongpaibool,
Director, THNIC Foundation
Deputy Executive Director,
NECTEC - NSTDA



Panelist:

- Mr. Supat Eamwiwat,
Vice President, International Gateway
- Mr. Achie Atienza,
PhNOG Chair, Globe Telecom
- Mr. Iwao Araki,
Growth Manager, BBIX Thailand



8. BPF Quiz

Moderator:
Mr. Thawan Paruggamanont



9. Peering Meeting

The event brought together managers, engineers, and business decision-makers from both local and international ISPs, IXPs, and Interconnection Service Providers for two days of meetings presentations, and networking events, thus, providing great opportunities for those who make peering and interconnection decisions for their network.



SPONSORS

The Thai Network Information Center Foundation and BKNIX Co., Ltd. extend their heartfelt thanks to all the sponsors who contributed to the success of the BKNIX Peering Forum 2024. Your commitment and contributions are greatly appreciated. Together, we have fostered a platform for valuable discussions, networking, and growth within the industry. Thank you for your continued support and partnership.

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Smart Data Centers



**Internet
Society**

Titanium Sponsor:



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ICANN

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CONNECT

In-Kind Sponsor:

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NSRC
Network Startup Resource Center



PARTICIPANTS

The participants at the BPF2024 comprised a wide range of entities, including Internet Service Providers (ISPs), Content Delivery Network Providers (CDNs), Internet Data Center Providers (IDCs), Carriers, Exchange Center Providers (IXPs), Universities and other relevant persons from the following countries:

On-site participants	Number of participants
Australia	5
Cambodia	1
China	2
France	3
Georgia	1
Germany	1
Guam	1
Hong Kong	6
India	2
Indonesia	4
Japan	8
Malaysia	2
Myanmar	4
Netherlands	2
Phillipines	1
Singapore	7
South Korea	2
Thailand	218
United Arab Emirates	1
United Kingdom	1
United States of America	1
Vietnam	2
Total	275

MEETING BOOKING SYSTEM

The booking system for the BPF event was designed for BPF attendees to arrange face-to-face meetings, including arranging, canceling, and accepting invitations during the BPF event.

Number of proposed meeting bookings: 617

Number of confirmed meetings: 187

FELLOWSHIP PROGRAM

The BKNIX Fellowship program aims to provide an opportunity for Network Engineers and Security or Network Officers from Southeast Asia to broaden their IXP network knowledge. This year, the BKNIX Fellowship program awarded two participants from Thailand to attend both BPF2024 & ThaiNOG Day#6 and the pre-event workshop, “Routing Infrastructure and Security Operations Workshop”, conducted from May 26 to 29, 2024.

LIST OF FELLOWS

No.	Name	Organization	Country
1	Mr. Pich Tantichukiatikul	Mahidol Wittayanusorn School	Thailand
2	Mr. Pathompong Phaewsart	Chiang Mai University	Thailand

APPENDIX A

AGENDA 30 – 31 MAY 2024

BPF2024 Agenda

Thursday, 30 May 2024

Carlton Grand Ballroom (9th Floor)

09.30 - 10.00	Registration
10.00 - 10.30	<p>Welcome Speech and Opening Remark - Dr. Gothom Arya, THNICF</p> <p>Group Photo Session</p> <p>Presentation of tokens of appreciation to all sponsors</p>
10.30 - 11.30	<p>Session 1: Keynote</p> <p>How we can achieve economic growth and global sustainability with optical transport evolution - Dr. Masahisa Kawashima, IOWN Technology Director, NTT Corporation</p>
11.30 - 12.00	Break
12.00 - 13.00	<p>Session 2: Connectivity</p> <p>Guam: Cables, Datacenters and IXPs - Mr. Jose Santiago, Guam Exchange</p> <p>South East Asia's Internet Resilience - Mr. Naveed Haq, ISOC</p> <p>Dive deep on AWS edge networking infrastructure - Mr. Fredrik Korsbäck, AWS – AS16509</p>
13.00 - 14.00	Network Lunch
14.00 - 14.45	<p>Peering personal</p> <p><u>ISP/OTT/CDN</u></p> <ul style="list-style-type: none"> •Globe Telecom •HERZA CLOUD •Netflix •RAPID Networks •SUNeVision / iAdvantage •Symphony <p><u>Research</u></p> <ul style="list-style-type: none"> •RouteViews

	<p><u>IXP</u></p> <ul style="list-style-type: none"> •AMS-IX •BBIX •BKNIX •Globe IX (GIX) •Guam IX •JPIX •SUNeVision/iAdvantage <p><u>DC</u></p> <ul style="list-style-type: none"> •Guam Exchange •STT (Globe Telecom) •SUNeVision / iAdvantage •Telehouse <p><u>Transport/Carrier</u></p> <ul style="list-style-type: none"> •Globe Telecom
14.45 - 15.00	<p>Privilege Presentation</p> <p>Data center trends 2024 in Thailand</p> <p>- Mr. Pierre Patris, ETIX Everywhere</p>
15.00 - 16.00	<p>Session 3 : Operations & Technology</p> <p>Securing Internet Routing - The Puzzle Pieces</p> <p>- Mr. Tashi Phuntsho, NSRC</p> <p>MANRS at a University</p> <p>- Mr. Jose Santiago, Guam Exchange</p>
16.00 - 16.30	Break
16.30 - 17.30	<p>Session 4: Panel Discussion – “Internet new space”</p> <p>Moderator:</p> <ul style="list-style-type: none"> - Dr. Panita Pongpaibool, Board of Director - THNIC Foundation and Deputy Executive Director, NECTEC - NSTDA <p>Panelist:</p> <ul style="list-style-type: none"> - Mr. Supat Eamwiwat, Vice President - International Gateway - Mr. Achie Atienza, PhNOG Chair, Globe Telecom - Mr. Iwao Araki, Growth Manager at BBIX Thailand
17.30 - 18.00	<p>BPF Quiz</p> <p>Moderator: Mr. Thawan Paruggamanont</p>
18.30 - 21.00	Cocktail Reception

Sukhumvit 1, 2 (8th Floor)

09.00 – 17.00 Peering Meeting

ThaiNOG Day**Friday, 31 May 2024****Carlton Grand Ballroom (9th Floor)**

09.30 – 10.00	Registration
10:00 – 11:30	Session 1 (Thai Language) Why WIFI7 is the new world - Mr. Pongpipat Thunyawiraphap - Mr. Supadej Suthiphongkanasai
11.30 – 12.00	Break
12.00 – 13.00	Session 2 (Thai Language) Top 10 Network Security Design Principles - Mr. Narudom Roongsiriwong Privacy Enhancing Technology for IoT - Dr. Kalika Suksoomboon, National Electronics and Computer Technology Center (NECTEC)
13.00 – 14.00	Lunch
14.00 – 15.30	Ballroom 1 Session 3 (English Language) APNIC – Network Monitoring & Management Tutorial (Part 1) - Ms. Shane Hermoso, Training Delivery Manager (SEA/EA) - APNIC
	Ballroom 2 Session 3 (English Language) Know Your Network: Utilizing RIS and RIPE Atlas to your advantage - Ms. Lia Hestina, RIPE NCC The Internet Routing Table Using Route Views - Dr. Philip Smith, NSRC
15.30 – 16.00	Break

16.00 – 17.00	Ballroom 1 Session 4 (English Language) APNIC – Network Monitoring & Management Tutorial (Part 2) - Ms. Shane Hermoso, Training Delivery Manager (SEA/EA) - APNIC
	Ballroom 2 Session 4 (Thai Language) Choices of Network Redundancy and load balancing - Mr. Pich Tantichukiatikul. Network Engineer - MWIT Building Multi-vendor IXP Lab with Container Lab - Mr. Songkhram Sundaranu, Consulting Engineer - Nokia
17.00 – 17.15	Wrap-up & Closing

Sukhumvit 1, 2 (8th Floor)

09.00 – 17.00	Peering Meeting
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APPENDIX B

SPEAKERS' BIOGRAPHY



Dr. Gothom Arya
Chairman, THNIC Foundation

After obtaining a doctoral degree in France, he returned to teach electrical engineering at Chulalongkorn University for 28 years. He was then appointed as an Election Commissioner for four years and a Registrar for two years at the Asian Institute of Technology. Since then, he has been working at Mahidol University on Peace Building, especially in the Far South of Thailand. He also serves in many civil society organizations, including the THNIC Foundation as its chairman.



Dr. Masahisa Kawashima
IOWN Technology Director,
NTT Corporation

Masahisa Kawashima is currently leading NTT's R&D of Innovative Optical and Wireless Network (IOWN) as the IOWN Technology Director. He is also serving as the Chair of the Technology Working Group at IOWN Global Forum. He has been working as a bridge between technologies and businesses since he joined NTT in 1994. His expertise includes high-speed networking, SDN, cloud/edge computing, AI, and data management. Nowadays, he is exploring innovative ways of making products/services cloud-native, leveraging the evolution of optical communication and optoelectronics integration technologies.



Mr. Jose Santiago
Sr. Manager of Interconnection Strategy,
Guam Exchange

Jose Santiago is a Sr. Manager of Interconnection Strategy. He has been involved with the networking discipline since 2018, but has been in the IT industry since 2012. He has long experience supporting a Research and Education network, campus network designs, and managing Internet Exchange Points. Jose is an alumnus of the University of Guam with a Bachelor of Science in Computer Science.



Mr. Naveed Ul Haq
Regional Director,
ISOC

Naveed Ul Haq is the Asia-Pacific Regional Director for Infrastructure and Connectivity, leading technical, policy, and advocacy work in Internet access, infrastructure, and community development domains. He is an experienced ICT practitioner, with more than 19 years experience working with governments, telecommunication operators, development partners, service providers, and civil society organizations.

Prior to joining the Internet Society, Naveed worked with Pakistan Telecommunication Authority (PTA), Government of Pakistan, as Assistant Director, Information & Communication Technologies (ICT). He is also an alumni of ICANN's fellowship, ISOC's Next Generation leadership, and Diplo Foundation's Internet Governance capacity building program.



Mr. Fredrik Korsbäck
Senior Infrastructure Business,
AWS – AS16509



Mr. Pierre Patris
CEO Asia,
ETIX Everywhere

Pierre is CEO Asia for ETIX Everywhere data center network. ETIX Everywhere is a carrier neutral data center company operating 10 data centers in Europe and Southeast Asia. Pierre is responsible for developing new data centers in Thailand, Vietnam, and the Philippines. In Thailand, in 2022, ETIX formed a Joint-Venture with Interlink Telecom to operate ETIX Bangkok #1, a 4 MW carrier neutral and sustainable data center.



Mr. Tashi Phuntsho
Network Engineer and Trainer,
NSRC

Tashi comes with experience across telecommunications and IP networks, having worked as a transmission engineer and IP Network engineer since the early 2000s for Bhutan Telecom. With his knowledge of “how not to do things”, Tashi has been involved in capacity development in the Asia-Pacific region, providing training and technical assistance in a number of technical areas. Tashi has assisted with NSRC workshops as a co-instructor, especially at NOGs (btNOG, SANOG), and, he was a local host for SANOG23 held in Thimphu, Bhutan. Based in Brisbane, Tashi currently works as the Technology Solutions Lead for a disability care and child

protection organization while continuing to volunteer as a program committee member for APRICOT, SANOG, mnNOG (founding member), and btNOG (founding member) during his spare time. His current areas of interest include Enterprise Architecture, IPv6 Deployment, Network Programmability and Network Automation, and Securing Internet Routing.



Dr. Panita Pongpaibool

Board of Director - THNIC Foundation

Deputy Executive Director, NECTEC - NSTDA

A results-driven executive with a forward thinking approach centered on an organization's success and sustainable growth, she has an impressive record of success in team building, transforming a research team into a profitable startup company, and commercializing technology from lab to real services.

WORK EXPERIENCE

NECTEC NSTDA – Deputy Executive Director 2018 – present

- Manage research groups in the areas of communication networks, industrial automation, Internet of Things, advanced electronics, and high-performance computing

- Direct the Sustainable Manufacturing Center to promote Industry4.0 to Thai manufacturers. **NECTEC NSTDA – Researcher 2004 – 2018**

- Led a project that developed a cloud platform for Internet of Things applications

- Led a project that develops a suite of intelligent network management software such as network monitoring, traffic measurement, and bandwidth controlling

- Drafted national ICT policies: IPv6 action plan (2013-2015), IPv6 action plan phase 2 (2016-2019), and digital economy strategy

- Researched and developed solutions and applications for IPv6 transition such as IPv6 tunnel broker
- Accelerated IPv6 awareness and deployment in Thailand in collaboration with Ministry of ICT and IPv6 Forum Thailand

LEADERSHIP & PROFESSIONAL ACTIVITIES

- Director of Sustainable Manufacturing Center 2020 – Present
- Sponsorship Chair of the Asian Internet Engineering Conference 2019 – present
- Committee of THNIC Foundation 2018 – present
- Consultant of NEXPIE Co. Ltd. 2018
- Secondment to Ministry of ICT's Digital Economy Preparation Team 2014 – 2015
- IPv6 Promotion Committee under Ministry of ICT 2006 – 2015
- Telecommunication numbering working group under NBTC 2012
- Lecturer, ICT Faculty, Mahidol University, 2008 – 2012
- Network and IT security consultant, Krung Thai Card, 2007
- Founder and committee of IPv6 Forum Thailand, 2005 – present



Mr. Supat Eamwivat

Vice President - Solutions & Partner Management, International Gateway

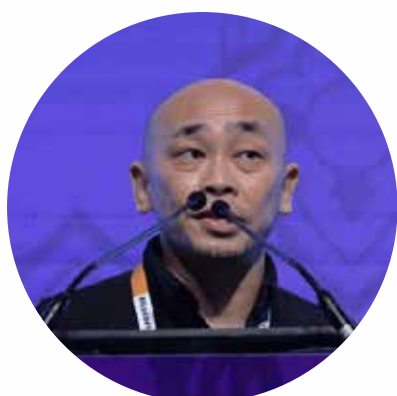
Mr. Supat graduated from King Mongkut's Institute of Technology Ladkrabang. His engineering experience includes Network for neighboring countries and local areas and for a vanguard engineering company.

International Gateway Co., Ltd (IGC) is a subsidiary of ALT Telecom, a public company known as a specialist engineering organization of Thailand. IGC provides wholesale bandwidth and Internet gateway/ exchange for both domestic and international entities.



Mr. Achie Atienza
PhNOG Chair, Globe Telecom

Vincent “Achie” Atienza has been with Globe Telecom, handling peering, interconnection, and strategy for almost 14 years. His experience, skills, and dedication in managing peering negotiations and strategy was key in the exponential growth of internet traffic and increased market share for Globe Telecom. Achie is also very active in the Philippine Internet community and considered as a “pillar” of the Philippine Network Operators Group. He was instrumental in the rebirth of PHNOG and currently serves as its co-chairman. He is also on the board of the Internet Society of the Philippines (ISOC).



Mr. Iwao Araki
Growth Manager,
BBIX Thailand

Iwao Araki is Growth Manager of BBIX Thailand, one of the largest Internet Exchange Points operating in Thailand, Japan, Singapore, Hong Kong, Philippines, the USA, and Europe. In Thailand, BBIX and True IDC established a Joint company in 2018. There are four POP in the Bangkok area and more than 30 peers.



Mr. Pongpipat Thunyawiraphap

เริ่มใช้เน็ตเวิร์กในยุค ArcNET ความเร็ว 1.7Mbps และ 10Base-2 ความเร็ว 10Mbps ในยุคที่ระบบปฏิบัติการยังเป็น Novel Netware อยู่ในวงการสื่อสารตั้งแต่ยุคโมเด็ม และเป็น SYSOP ของ BBS ก่อนที่จะมีการให้บริการอินเทอร์เน็ตในประเทศไทย

1997 ออกแบบและวางระบบเน็ตเวิร์ก ขนาด 600 จุด ครอบคลุม 5 อาคาร ผู้ใช้งาน 2,400 คน

1999 บริหารระบบเน็ตเวิร์กที่มีคอมพิวเตอร์มากกว่า 1,300 เครื่อง

2000 ดำ แคน่ง Technology Committee โรงเรียนนานาชาติร่วมฤดี ได้รับรางวัล Apple Distinguished School จากบริษัท Apple เป็นโรงเรียนแห่งที่ 2 ของ Asia ที่ได้รับรางวัลนี้ เนื่องด้วยการนำเทคโนโลยีเข้ามาเสริมระบบการศึกษาอย่างมีประสิทธิภาพ

2003 เป็น Microsoft Certified Trainer

2008 เป็น IT Director ให้กับบริษัทมหาชน และรับผิดชอบระบบออกอากาศดิจิทัลที่เป็น High Availability

2013 เป็น Mikrotik Certified consultant

2018 เป็น Mikrotik Certified Trainer

ปัจจุบัน เป็นผู้เชี่ยวชาญอุปกรณ์ Mikrotik และเน็ตเวิร์ก เป็นที่ปรึกษาให้กับองค์กรต่างๆ ตั้งแต่พนักงานจำนวน 30 – 1,200 คน ทั้งที่บริษัทมหาชน, โรงพยาบาล, โรงแรม, อพาร์ทเมนท์, บริษัท SMB ฯลฯ



Mr. Supadej Suthiphongkanasai

Founder, VR Online Co.,Ltd.

- Founder VR Online Co., Ltd.
- Mikrotik Certified Trainer
- Former Director of Thai Webmaster Association
- Former MC of Beartai Hitech and TechOffside



Mr. Narudom Roongsiriwong
SVP, Global Enterprise Architecture and Cyber Security,
BANPU Public Company Limited

Mr. Narudom is a Full Stack Executive, Enterprise Architect and Certified Information Security Professional (CISSP, CCSK with more than 25 years of experience.

He has been a Security and Risk Committee member at National Digital ID Co., Ltd.; APAC Research Advisory Council member at Cloud Security Alliance Asia Pacific; Co-Chair, Hybrid Cloud Security Working Group at Cloud Security Alliance Consultant, OWASP Thailand Chapter; and Chief Information Security Officer (CISO) of the Year 2017 of NetworkWorld Asia.



Dr. Kalika Sukksomboon
National Electronics and Computer Technology Center
(NECTEC)

Dr. Kalika is passionate in AI technologies to enhance privacy and cybersecurity in IoT systems, which has been proven by well-qualified research and development in AI-driven IoT security and privacy enhancement technologies. She has over three years of experience in the theory and development of cybersecurity and privacy enhancement technologies for Industries IoT; nine years of experience in R&D with the 2nd largest Japanese telecommunications operator and an AI start-up company. Skilled in analytic skills, access control security, privacy, ML/DL, and cybersecurity for OT/IoT, she is a self-motivated professional, capable of working independently and as a member of a team.



Ms. Shane Hermoso
Training Delivery Manager (SEA/EA),
APNIC

Sheryl (Shane) Hermoso is a Network Operations Engineer and Senior Technical Trainer at APNIC. Before joining APNIC, Shane had various roles as a network engineer, managing the enterprise network backbone and wireless infrastructure. Shane regularly presents on routing issues at conferences and training events throughout the Asia Pacific.



Ms. Lia Hestina
RIPE NCC

Lia Hestina is the RIPE Atlas Logistics Specialist for RIPE NCC. She works on the development of RIPE Atlas coverage, the world's largest active Internet measurement network, and coordinates the RIPE Atlas Ambassadors Programme and RIPE Atlas Sponsoring Programme.

Lia works to spread awareness about RIPE Atlas and coordinates the distribution of probes worldwide to expand the RIPE Atlas network. She also supports local communities, offering advice on handling regional regulations and limitations and deploying probes in their networks.



Dr. Philip Smith
NSRC

Philip Smith has been working in the internet industry since the early 1990s after catching the Internet bug in the mid 1980s while at university. He runs his own consulting company, PFS Internet Development.

Philip spends some of his time working for the Network Startup Resource Centre as a Senior Network Engineer and Training Coordinator, assisting with Network Operations

Groups coordination and providing network design assistance and training around the Pacific, South and South East Asia, the Middle East and Africa. He previously worked at APNIC as Learning and Development Director, where his team's responsibilities ranged from Training, APNIC Conferences and Events, Network Operations Group support, Technical Programs such as IPv6 Deployment, Internet Exchange Points, and Rootname Server deployments, and the Information Society Innovation Fund grants program. Before APNIC, he was a member of the Internet Infrastructure Group in CTO Consulting Engineering of Cisco Systems for more than thirteen years. He also served for three years on the Board of Trustees of the Internet Society. Prior to joining Cisco, he spent five years at PIPEX (incorporated into UUNET, now part of Verizon's global ISP business), the UK's first commercial ISP, where he was Head of Network Engineering.

As is common with startups in a rapidly growing marketplace, Philip gained deep experience in all of the engineering roles in an ISP, from support engineer, network operations, engineering, and development, before assuming responsibility for the entire UK network operation. He was one of the first engineers working in the commercial internet in the UK, and he helped establish the LINX Internet Exchange Point in London and played a key role in building the modern Internet in Europe.

Over the last decade and a half, Philip has been actively involved in providing consultation and advice to ISPs primarily in the Asia Pacific region, but also to other providers around the world. He concentrates specifically on network strategies, design, technology, and operations, as well as configuration, scaling, and training. He has played a major role in training ISP engineers, co-founding the Cisco ISP/IXP Workshop program, and providing ISP training and tutorials at many network operations events around the world, including NANOG, RIPE, APNIC, SANOG, MENOG, AfNOG, PacNOG, and APRICOT conferences. His other key technology

interests include IPv6, BGP, OSPF and IS-IS, and network performance and data analysis.

He has also been working to promote and develop the internet in the entire Asia Pacific region and has been actively involved in bringing the Internet to some countries in the region. He also is actively involved in establishing Internet Exchange Points around the world, as well as advising on peering and inter-ISP relationships across the industry. He is chair of the Board of Directors of APIA (the Asia Pacific Internet Association), the organization which organizes and manages APRICOT, the region's annual ISP operations and technology conference and co-chair of APOPS (the region's ISP operational forum). Philip is also involved in the organization committees of MENOG, SANOG, and PacNOG, as well as helps out with several country NOGs. He is a past chair and member of the NANOG Steering Committee (now the NANOG Board).

Philip also has a particular research interest in the growth of the Internet and provides a detailed daily analysis of the IPv4 routing table, from an Asia Pacific perspective, to the general operator community worldwide. Philip holds a Doctor of Philosophy and has a First Class Honors degree in Physics. A native of Scotland, he lives in Brisbane, Australia.



Mr. Pich Tantichukiatikul
Network Engineer - MWIT



Mr. Songkhram Sundaranu
Consulting Engineer,
Nokia

Songkhram Sundaranu is currently a rPLM and consulting engineering for IP products | APAC at Nokia, based in Thailand. Songkhram has more than 20 years of experience with vendors at Cisco's partner Alcatel-Lucent, Juniper, and Nokia to provide support, design, and consulting for carrier-grade networks in APAC regions. He has extensive knowledge of IP/MPLS, Segment Routing, Mobile Backhaul, EVPN, Packet Optical, DC Fabric, and a passion to extend the knowledge into the path of network automation with Ansible/Road to intent-based networking and cloud native infrastructure.



APPENDIX C

PRESS RELEASE (THAI LANGUAGE)

ข่าวประชาสัมพันธ์

บีเคนิคซ์ จัดเวที BKNIX Peering Forum ฉลองครบรอบ 10 ปีการแลกเปลี่ยนข้อมูลอินเทอร์เน็ต

BKNIX Peering Forum เริ่มต้นขึ้นอย่างเป็นทางการ ถือเป็นงานเฉลิมฉลองครบรอบ 10 ปีของ BKNIX ศูนย์แลกเปลี่ยนข้อมูลอินเทอร์เน็ตที่เป็นกลางแห่งแรกของประเทศไทย และเป็นอีกหนึ่งก้าวสำคัญในการส่งเสริมความร่วมมือระดับโลกในอุตสาหกรรมอินเทอร์เน็ต มีผู้เข้าร่วมงานกว่า 200 คน งานจัดขึ้นระหว่างวันที่ 30-31 พฤษภาคม 2567 ณ โรงแรมคาร์ลตัน กรุงเทพฯ สุขุมวิท

ย้อนรอยความสำเร็จ 10 ปีแห่งการบุกเบิก

จุดเริ่มต้นของ BKNIX เกิดขึ้นในปี พ.ศ. 2556 จากวิสัยทัศน์ของ ศาสตราจารย์ ดร. กาญจนา กาญจนสุต คนไทยคนแรกและคนเดียวที่ได้รับรางวัล Internet Hall of Fame ด้วยเล็งเห็นถึงความจำเป็นในการมีโครงสร้างพื้นฐานอินเทอร์เน็ตที่แข็งแกร่งและเป็นกลาง ในประเทศไทย จึงได้รวบรวมการสนับสนุนและก่อตั้ง BKNIX ขึ้น

ปัจจุบัน BKNIX ยืนหยัดเป็นสัญลักษณ์ของพลังแห่งความร่วมมือ ช่วยให้การแลกเปลี่ยนข้อมูลอินเทอร์เน็ตภายในประเทศไทยและต่างประเทศมีประสิทธิภาพและคุ้มค่า ผลงานของ BKNIX ไม่ได้จำกัดอยู่แค่ภายในประเทศ แต่ยังส่งผลต่อความเชื่อมต่อและความร่วมมือของอินเทอร์เน็ตทั่วโลกอีกด้วย

10 ปีแห่งความสำเร็จ: เสริมพลังชุมชนอินเทอร์เน็ตไทย

งาน BKNIX Peering Forum ครั้งนี้ เป็นโอกาสอันดีในการเฉลิมฉลองความสำเร็จของชุมชนอินเทอร์เน็ตไทย และวางแผนสำหรับการเติบโตในอนาคต โดยมุ่งเน้นไปที่นวัตกรรม ความร่วมมือ และการเสริมสร้างศักยภาพ งานนี้มุ่งที่จะตอบสนองความต้องการที่เปลี่ยนแปลงไปของผู้ใช้และธุรกิจที่ใช้บริการอินเทอร์เน็ตในภูมิภาค

ไฮไลท์สำคัญของงาน:

- การบรรยายพิเศษโดย Dr. Masahisa Kawashimal : Director of IOWN Development Office, R&D Planning Department, NTT Corporation จะมาแบ่งปันข้อมูลเชิงลึกเกี่ยวกับอนาคตของอินเทอร์เน็ตและบทบาทของ IXP ในการขับเคลื่อนนวัตกรรมในหัวข้อ “How we can achieve economic growth and global sustainability with optical transport evolution”

- การอภิปรายกลุ่มและเวิร์กชอป: ผู้เชี่ยวชาญในแวดวงอินเทอร์เน็ตจะเจาะลึกประเด็นสำคัญในหลากหลายหัวข้อที่น่าสนใจ เช่น Operations & Technology, Connectivity, Internet new space เป็นต้น
- โอกาสในการสร้างเครือข่าย: งานฟอรัมนี้เปิดโอกาสให้ผู้เข้าร่วมได้พูดคุย แลกเปลี่ยน สร้างเครือข่าย และสร้างโอกาสในการร่วมมือ

BKNIX Peering Forum: แพลตฟอร์มขับเคลื่อนอนาคตอินเทอร์เน็ตไทย

ด้วยการมุ่งเน้นไปที่การแบ่งปันความรู้ ความร่วมมือ และการส่งเสริมการจับมือเป็นพันธมิตร งาน BKNIX Peering Forum มุ่งมั่นที่จะมีบทบาทสำคัญในการกำหนดอนาคตของอินเทอร์เน็ตในประเทศไทยและภูมิภาค งานนี้รวมผู้มีส่วนได้ส่วนเสียที่สำคัญเพื่อรับมือกับความท้าทายที่เกิดขึ้นในปัจจุบัน เตรียมพร้อมสำหรับโอกาสใหม่ ๆ และขับเคลื่อนการพัฒนาอย่างยั่งยืนของระบบนิเวศอินเทอร์เน็ตสำหรับทุกคน

สำหรับงาน BKNIX Peering Forum 2024 ได้รับการสนับสนุนจากหลายองค์กร ได้แก่ ETIX Everywhere, ISOC, AWS, International Internet Gateway, JPIX, Flexoptix, กสทช., APNIC, BBIX, China Mobile International, CtrlS, HGC/AMSIX, NTT Data, OpenDC, Symphony, TCC Technology Group, Telehouse, CableConnect, Google, ReadyIDC, SUNeVision, ICANN, NSRC and .TH

เกี่ยวกับ BKNIX

BKNIX เป็นศูนย์แลกเปลี่ยนข้อมูลอินเทอร์เน็ตที่เป็นกลาง (IXP) ตั้งอยู่ในประเทศไทย ให้บริการเป็นแพลตฟอร์มสำหรับผู้ให้บริการอินเทอร์เน็ต (ISP) ผู้ให้บริการเครือข่ายส่งข้อมูลเนื้อหา (CDN) และผู้ให้บริการเครือข่ายอื่น ๆ ในการแลกเปลี่ยนข้อมูลอินเทอร์เน็ต