

# Welcome to ASQN 2019 Conference - Asian Software Quality Network -

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#### **ASQN Objectives**

- 1. Share our knowledge and experiences on empirical methods, techniques and practices for pursuing excellent software quality.
- 2. Provide opportunities for software organizations, practitioners and researchers to appeal their excellent outcomes, capability and competencies on software quality to Asia.
- **3. Show the Asian voice** and increase the awareness of Asia in the world.



## **ASQN**

#### History of sharing software quality experiences in Asia



Kuala Lumpur, Malaysia (2013)



JEJU, Korea (2016)



Shanghai, China (2014)



Kuala Lumpur, Malaysia (2017)



Tokyo, Japan (2019)



Tokyo, Japan (2015)



Beijing, China (2018)



### Software Quality Symposium in Japan

- The **36**rd annual events
- 800 people from 300 companies
- Keynote on IOT
- Panel on Digital Transformation
- **40+** presentations
- 9 tutorials, 250 participants
  - SW process improvement
  - SW measurement
  - frontloading
  - Requirements specification techniques
  - SW release judgement method
  - UX design, etc







#### **ASQN Organization**

China SSIA (Shanghai Software Industry Association)

Korea K.SEN (Korea Software Engineering Network)

Malaysia MSTB (Malaysia Software Testing Board)

Philippines PSIA (Philippines Software Industry Association )

**Thailand** SWPT (Software Park Thailand)

Japan JUSE SQiP (Software Quality Profession) 日本科学技術連盟 SQiPソフトウェア品質委員会



#### **Today's Presentations**



The Trend of China's Software Industry Development
Yang Genxing,
East China University of Science and Technology, China



Software Process Metrics Halizawati MOHD HALID, Custommedia Sdn Bhd, Malaysia



Suggestion of Testing Method for Industrial Level Cyber-Physical System Sunil Chon, ThinkforBL, Korea



for Artificial-Intelligence-based products and services (QA4AI)
Yasuharu Nishi,
The University of Electro-Communications,
Japan

**Guidelines of Quality Assurance** 



Consideration for SW quality Factor in the era of industry 4.0 Yong Gyu Kim, Apexsoft, Korea



Quantifying Confidence Using Metrics
– an IV&V Perspective
Amiruddin Jaafar Sidek,
Malaysian Software Testing Board, Malaysia



#### **IT Trends in Japan**

- Recent IT words: AI, IoT, CPS, DX (Digital transformation), etc "2025 cliff (2025年の崖)" in METI DX report (2018)
  - Industries well understand the importance of digital transformation



The Magazine > October 2018 > World's Best Banks 2018: DBS Named Best Bank In The World

Thursday, August 29, 2019

# World's Best Banks 2018: DBS Named Best Bank In The World

Winners in the World's Best Banks Awards 2018 were selected based on <u>performance</u> over the past year as well as other criteria including <u>reputation</u>, <u>management excellence</u>, and <u>leadership in digital transformation</u>.

DBS Bank took the title on the <u>strength of its</u> <u>digital transformation</u>, strong financials, and good corporate citizenship.



#### **IT Trends in Japan**

- Recent IT words: AI, IoT, CPS, DX (Digital transformation), etc "2025 cliff (2025年の崖)" in METI DX report (2018)
  - Industries well understand the importance of digital transformation
  - Facing difficulties to allocate IT resources on "value-up" investments because of complex and black-boxed existing legacy systems
  - If the industries can not overcome the issues until 2025, 12 trillion JPY (112 billion USD) economical lost will happen as maximum.
- Rapid growth of smartphone payment services

2014 Dec. LINE Pay

2016 May Origami Pay

2016 Oct. Rakuten Pay

2018 Apr. dPay (NTT DoCoMo)

2018 Oct. PayPay (softbank & yahoo)

2019 Feb. Merpay (mercari)

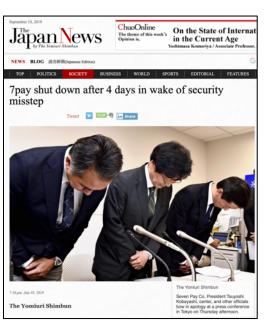
2019 Apr. auPAY

2019 Jul. FamiPay, 7pay

7pay shut down after 4 days in wake of

security misstep







"Software quality" is an important infrastructure of our societies.

Sharing and learning the experiences and knowledge on software quality among software professional communities (both domestic and international) is essential to pursue our safe and secure society.

ASQN plays an important role to achieve the goals.



#### Thank you for your attention!

谢谢

감사합니다

Terima kasih

ขอขอบคุณ

ありがとうございました