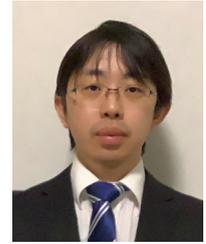


# Report on International Teletraffic Congress ITC32

Daichi Kominami  
Osaka University



## 1. Introduction

The International Teletraffic Congress ITC32 was scheduled to be held at Osaka University, Japan. However, due to the evolving COVID-19 situation, it had become difficult for researchers to visit Japan, so the congress was decided to be held online. In this report, I describe the purpose and summary of ITC32.

## 2. Purpose of the Congress

The International Teletraffic Congress ITC32 is an international conference in the field of network science and practical applications, and has provided a forum for discussion of the latest technologies in a wide range of areas related to traffic modeling, network systems, and measurement since 1955. In 2020, the Congress aims to bring together researchers in network science in Europe, the United States, and Asia to stimulate discussions on the latest technologies, and to provide an opportunity to disseminate knowledge of the latest technologies and research in network science to our society.

## 3. Organizing Committee

The Committee of ITC32 was strongly led by General Chairs and supported by TPC Chairs and International Advisory Council members. The other organization is technical program committee. These main committee members are listed as the followings.

- General Charis:
  - Masayuki Murata (Osaka University, Japan),
  - Kohei Shiomoto (Tokyo City University, Japan)
- TPC Charis:
  - Yuming Jiang (NTNU, Norway)
  - Hideyuki Shimonishi (NEC, Japan)
  - Kenji Leibnitz (NICT, Japan)
- International Advisory Council Chair:
  - Michela Meo (Politecnico di Torino, Italia)
- International Advisory Council Liaison Chair:
  - Zhisheng Niu (Tsinghua University, China)

## 4. Program and Activities

The congress is composed of one tutorial session, four keynote sessions, two special sessions, four technical sessions, and one PhD workshop.

As the latest research topic, there was a tutorial lecture on the use of machine learning in wireless networks given by Prof. Koji Yamamoto and Prof. Takayuki Nishio of Kyoto University. In addition to keynote lectures by prominent researchers from Japan and abroad (Prof. Shoji Kasahara of Nara Institute of Science and Technology; Prof. F. Richard Yu, Carleton University; Prof. Hisashi Kobayashi of Princeton University; and Mr. Masakatsu Fujiwara of NTT), a

special session on "Modeling Challenges in the Emerging Internet Applications" and a special session on "6G/AI" were held.

For the technical sessions, 20 papers were accepted out of 53 submitted papers (acceptance rate: 38%), and high-level research presentations on network science were made at the Congress. In the PhD workshop, four doctoral students discuss their research in the style of poster presentations.

## 5. Summary

Although the conference was held online this year, the number of registered participants was 100 (of which the top registered participants by country were 40% from Japan (1<sup>st</sup> place), 15% from Germany (2<sup>nd</sup> place), and 10% from China (3<sup>rd</sup> place)). Each session always attracted 40 to 60 participants, providing an opportunity to stimulate discussions on the latest technologies and to disseminate knowledge on the latest technologies and research in network science.

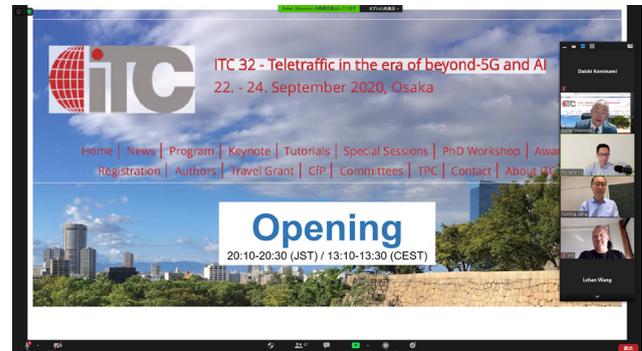


Fig. 1 ITC32 Opening session.

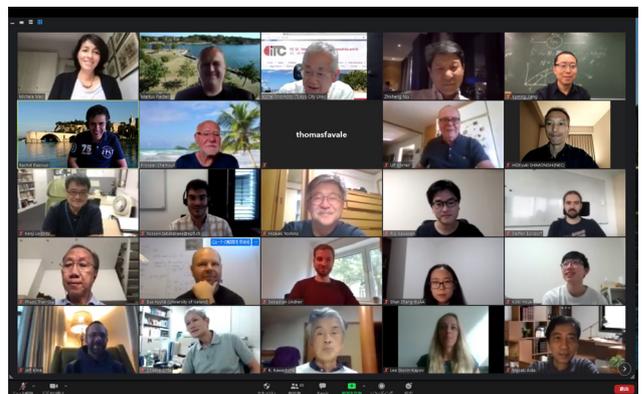


Fig. 2 Group photo in ITC Closing session.