

Appendix 2.2

Report of International Conference Presentation

Name: (Presenter)	Pornchai Supnithi
Affiliation:	School of Engineering, King Mongkut's Institute of Technology Ladkrabang, Bangkok 10520, Thailand
Project Title:	Research and Development for Precise Positioning with Artificial Intelligence (AI) during Ionospheric Disturbances in Low-latitude Region in ASEAN
Name of International Conference: (Link to website)	The ION GNSS+ 2024 Conference https://www.ion.org/gnss/
Title of Research Paper:	Ground Subsystem Error Contribution of a Multi-Constellation GBAS Based on a CORS Network in the Vicinity of Airport Areas
Name of all Co-authors (if any)	Efren Martin Alban Cuestas (KMITL), Jirapoom Budtho (KMITL), Susumu Saito (Enri, Japan)
<p>Comments or feedback received at the conference:</p> <p>Many participants were interested in the multipath modeling at the airport based on GNSS data from CORS station. Some participants appreciate the real-world data collection near the Suvarnabhumi International Airport. There were questions on the publicly available CORS data. Suggestions on additional analysis on the effects on multipath effects of the performances and integrity of DFMC GBAS are made.</p>	
<p>Contribution to the project:</p> <p>In the conference, we presented research works on multipath data and modeling near the Suvarnabhumi International Airport. In particular, we compared the sigma values of ground station from GPS and Beidou satellite data. Since the new GNSS receiver has recently been installed at Institute of Technology Cambodia (ITC), a CORS station, it will be beneficial to follow similar approach to analyze the data as well. As the ION GNSS+ conference is a premier conference in the area, the support from ASEAN IVO receives global recognition.</p>	
Photos	



Figure 1: Atmosphere of a technical session



Figure 2: Atmosphere at the conference Award lunch

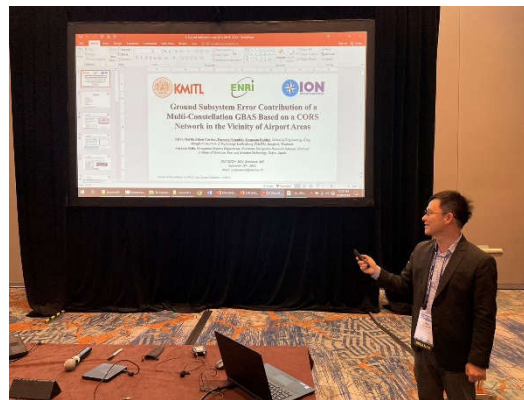


Figure 3: Photo during presentation

[Required Documents]

- A) Presentation Materials (Slides)
- B) Final Program of the conference

Reporter: _____ Pornchai Supnithi _____

Date: _____ 2/10/2024 _____