**Appendix 2.2**

**Report of International Conference Presentation**

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| Name:  (Presenter) | LIN MIN MIN MYINT |
| Affiliation: | School of Engineering,  King Mongkut’s Institute of Technology Ladkrabang,  Bangkok 10520, Thailand |
| Project Title: | GNSS and Ionospheric Data Products for Disaster Prevention and Aviation in Magnetic Low- Latitude Regions (Phase II) |
| Name of International Conference:  (Link to website) | The XXXVth URSI General Assembly and Scientific Symposium (URSI GASS 2023), SAPPORO, JAPAN  https://www.ursi-gass2023.jp/ |
| Title of Research Paper: | Near Real-time Equatorial Plasma Bubble Monitoring System using GNSS at the Low Latitude Region in ASEAN |
| Name of all Co-authors (if any) | Napat Tongkasem (KMITL), Pornchai Supnithi (KMITL), Kornyanat Hozumi (NICT), Donekeo Lakanchan (NUOL), Thayheng Nhem (CADT) |
| Comments or feedback received at the conference:  Many participants were interested in our poster and ASEAN-IVO project. One important recommendation is to develop a real-time plasma bubble monitoring system using C programming language that is faster than MATLAB. Another recommendation is to use image processing techniques for real-time EPB detection. | |
| Contribution to the project:  At this conference, I conducted a poster presentation in the G12 poster session, focused on Ionosphere monitoring and modeling review. Throughout the event, I actively participated in various oral and poster presentation sessions mostly related to the URSI’s Commission G which is related to Ionospheric Radio and Propagation. The sessions included G01: GNSS Radio Occultation and zenith data from Low Earth Orbit, G03: Ionospheric Space Weather and Impacts on Technological Systems, G04: International Reference Ionosphere: Improvement, Validation and Usage, G05: Advances in Irregularities and Scintillation Studies, G06: Advances in Machine Learning methods for ionospheric modelling, G10: International Beacon Satellite Studies, G12: Ionosphere monitoring & modeling review G15: Techniques, Methods and Issues for Real Time Ionospheric Modeling, C01: Low-Cost GNSS Receivers.  The conference provided me with valuable insights that I aim to apply to ongoing projects. Moreover, I have the privilege of meeting distinguished and experienced academics and researchers in space weather research. I plan to share my newfound knowledge with other project members in KMITL to enhance our collective projects. Therefore, this conference is very beneficial for me and the conference. | |
| Photos   |  |  |  | | --- | --- | --- | | Figure 1: Attending Opening Ceremony on Monday, August 20, 2023 | | | | Figure 2: Poster presentation at G12 session | Figure 3: Poster presentation and presenter | Figure 4: Attending other presentation sessions | | |

**[Required Documents]**

1. Presentation Materials (Poster)
2. Final Program of the conference

**Reporter: \_\_\_\_\_Lin Min Min Myint\_\_\_\_\_\_\_\_\_**

**Date: \_\_\_\_\_\_\_\_28/8/2023\_\_\_\_\_\_\_\_\_**