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Foreword

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FOREWORD

The 1st International Conference on Tropical Meteorology and Atmospheric Science (ICTMAS) 2018 has been dedicated to gather researchers, academicians, professionals and general public in sharing recent findings and knowledge on meteorology and atmospheric science of the tropics, especially over Maritime Continent to promote science and technological research on tropical meteorology and atmospheric science, and recent knowledge on the related fields. ICTMAS 2018 also aimed to strengthen international collaboration in research and education, especially on tropical meteorology and atmospheric science. It will also convey the spirit to foster a new generation of scientists in meteorology, atmospheric science, and all related discipline.

ICTMAS 2018, to which this issue of IOP Conference Series: Earth and Environmental Science (EES) is dedicated, was held on September (19-20), 2018 at the West and East Hall of Bandung Institute of Technology (ITB). The conference is co-organized by Center for Atmospheric Science and Technology (*Pusat Sains dan Teknologi Atmosfer - PSTA*) of Indonesian National Institute of Aeronautics and Space (*Lembaga Penerbangan dan Antariksa Nasional - LAPAN*) and Meteorology Department (*Program Studi Meteorologi - ME*) of Bandung Institute Technology (*Institut Teknologi Bandung - ITB*). ICTMAS 2018 is highly supported by Indonesian Ministry of Research, Technology and Higher Education through Center of Excelent (*Pusat Unggulan IPTEK - PUI*) program. The conference also supported by Meteorological, Climatological, and Geophysical Agency (*Badan Meteorologi Klimatologi dan Geofisika - BMKG*) and Agency for the Assessment and Application of Technology (*Badan Pengkajian dan Penerapan Teknologi - BPPT*). International supports to the conference are given by Japan Agency for Marine Science and Technology (JAMSTEC), Year Maritime Continent Project (YMC), Kyoto University and other institutions also contribute.

ICTMAS 2018 topics emphasize scientific research on tropical meteorology and chemistry, as well as technological advancement on atmospheric observation and modeling, and the application of those science and technology to humanity. The conference consist of 7 main topics, which are (1) Air-Sea Interaction; (2) Tropical Meteorology; (3) Atmospheric Science; (4) Environment and Atmospheric Chemistry; (5) Atmospheric Simulation and Modeling; (6) Atmospheric Observation



Technology and Instrumentation, Database, and Data Assimilation System; and (7) Application of Atmospheric Science and Technology on Disaster, Maritime, and Climate Change. The committee has received 160 research titles for both category of oral and poster presentation (76 abstracts for oral presentations and 84 abstracts for poster presentation), which come from various scientist, lecturers and students from 8 countries and 42 Institutions and University. These research papers have been reviewed by the scientific committee of ICTMAS 2018. Regarding the peer review result, 66 papers have been selected to be published in this issue, which mostly focused on meteorology and atmospheric science of the tropics, especially over Maritime Continent.

We would like to thank to all keynote speakers and invited speakers for willing to join this conference. We want to thank to the Steering Committee and Scientific Committee (Reviewer Team) which comprises several institution and country, from Indonesia, i.e, LAPAN, ITB, BMKG, BPPT, IPB, UNAND, Udayana University, BATAN, and from abroad, i.e, JAMSTEC (Japan), Kyoto University (Japan), *Universitas Kebangsaan Malaysia* (Malaysia), BoM (Australia), Chicago University (USA), UK Met Office (UK), University of California (USA), University of East Anglia (UK). We wish to thank the authors who have contributed to yield a high scientific standard to this issue. We are excited to learn your presentation in both Oral and Poster Sessions. We wish you all the very best and an enjoyable meeting. We look forward to seeing you all again in the future. We are also grateful to IOP Publishing, especially Stephanie Gill (IOP Conference Commissioning Editor), for allowing us to share some of the conference results with a large audience of colleagues through the IOP Conference Series: Earth and Environmental Science.

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Chairman of Organizing Committee of ICTMAS 2018