MESSAGE FROM THE IReSES PRESIDENT AND VICE PRESIDENT

International Society of Remote Sensing and Earth Sciences (IReSES) is a scientific forum which is formed to study Earth Sciences and Remote Sensing through mutual understanding and international collaboration will) emphasis on fostering sciences and capabilities in developed and developing countries, especially in the South-Hast Asia region. IReSES was established in September 2003 initially based on participation of individual scientists, then extended with the involvements of universities, research institutions, government agencies and private institutions.

Prof. YasuhiroSugimori, the founder of IReSES and Ihe Director of the Center for Remote Sensing and Ocean Science. Udayana University (CReSOS/UNUD), Bali Indonesia, passed away on the 5th of September. 2008. he had been a well known scientist in the tleld of Oceanography and Remote Sensing. In particular, he was the strongest advocate to promote the international cooperation in this field. We. as his followers, shall never forget his contribution to IReSIS. I, Professor of Yamaguchi University and ihe acting director *of* CReSOS/UNUD. a successor of the President of IReSES, have been working with him in this field since ihe establishment of IReSES in 2003.

Generally, lhe developed and developing countries in South-Cast Asia have research priorities which should be done devotedly and intensively, among others in research related with: I) the utilization of marine resources in the ocean and coastal area. 2) natural disaster, 3) space management, design and construction of coastal area and deep ocean. A) pollution control in coastal and marine area, and 5) environmental support capacity upon construction activities, such as shrimp aquaculture pond, tourism, residential area, industrial area, agricultural, ctc. IReSES is expected to contribute to the above research priorities.

The main objective of the IReSES is to promote studies of the oceans and related geosciences using remote sensing technology through international collaboration. The scientific topics are widely range, such as greenhouse effect, ENSO, Natural disasters, pollution, sea level rise and other climatic variability in South-East Asia, ocean circulation, ocean color, marine optics, miscellaneous oceanographic information, underwater acoustics, coastal zone management, fisheries oceanography, etc.

The scientists not only in developed but also in developing countries provide better opportunities for learning and applying the state of the art in Earth Remote Sensing, including space data, pursuing studies in underwater development- information technology, environmental sciences, exploration of marine resources, ect. The promotion is implemented through international symposium, conferences, arid training courses.

The llfth edition of the IJReSCS provides an effective way to disseminate the scientific results among the members, marine scientists and other interested people. The journal has also the role for facilitating the view exchange and discussion on special topics by scientists or readers. This is in conformity with the annual international symposium conducted by IReSES which could be used as a forum for scientific exchange and promotion of ocean studies with related earth sciences, ll is expected that the scientists in South-Last Asia and its surrounding, as well as other international scientists could use this journal as a medium for disseminating research results.

Denpasar Bali, September2008.

Prof. Tasuku Tanaka Ratih Dewanti Dimyati

Editorial Committee Preface

Dear Readers,

Welcome to the tilth issue of the International Journal of Remote Sensing and Earth Sciences. This journal is expected lo enrich the serial publications earth sciences, in general, and remote sensing in particular, not only in Indonesia, but also in Asia countries.

The contents of this journal are particular interest to remote sensing as the main data for geosciences, oceanography, marine biology, fisheries, meteorology, etc. Inside this fifth edition, there are varieties of topics discussed, including natural disasters, ocean color, mariculture, pelagic fish, and oceanography.

This journal is intended, among others, to complement information on Remote Sensing and Earth Sciences, and also encourage young scientists in Indonesia and Asian countries to contribute their thoughts. Therefore, we would like to invite young scientists to manifest their ideas through research papers, short reports, introduction of new products, and oilier materials as stated in the information to Contributions. We are looking forward to receiving your manuscripts for this journal.

Editor-in-Chief,

Dr. Orbita Roswintiarti

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Information for Contributors

The International Journal of Remote Sensing and Earth Science (IJReSES) is an academic journal thai collects research papers containing the results of re search on the earth sciences and remote sensing. It consists of the research paper, short reports, general argument and prospect, and questions and answers. manuscripts submitted for publication in IJReSES should convey the author's findings precisely and immediately to the reader. Authors are urged to have their manuscripts reviewed critically by colleagues for scientific accuracy and clarity of presentation, if a manuscript has more than one author, co-authors must consent to the journal belongs to the International Society of Remote Sensing and Earth Science (IReSES).

1. Qualifications

Contribution can be made by the member of IReSES and upon the request of IReSES.

2. Manuscript

Contribution should be research papers, research papers exclusive for contribution, short report, question and answers, general argument and prospect, and introduction of new products. Research papers have to be unpublished and are not being considered for publication elsewhere. Authors will be asked to provide final manuscript and artwork as electronic files (MS Word for text, and JPEG, GIF or TIFF for Images). The manuscript should be arranged in the following order:

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English is the official languages for the journal.

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The manuscript should be concise and easy to read. Use A4 or letter size papers and type with 12 points using limes New Roman, double spacing, and one inch or 2.5 cm margins for lop. bottom. and bolh sides. Do not exceed the 25 lines per page limit. Authors are recommended to keep copy of the manuscript. Please pay attention also to the following points in preparing the manuscript.

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