

## Preface

The International Symposium 2009 of Institute of Mountain Sciences Shinshu University, entitled “Management and Analysis of Organism using Remote Sensing and Geographical Information” was held on January 24, 2009 at Faculty of Agriculture, Shinshu University, Minamiminowa, Nagano, Japan.

Shinshu University is in Nagano Prefecture which is situated in the middle of Japan and has many high mountain ranges. First of all, I explain about the research system in Shinshu University concerning Institute of Mountain Science. In Shinshu University there are eight faculties. Institute of Mountain Science consists of the staffs from some faculties, such as agriculture, science, textile science and technology and arts. Interdisciplinary School of Science and Technology (Doctoral Program) consists of five departments and twenty-one chairs. The Doctoral Program aims inter-scientific, comprehensive research and education. Department of Mountain and Environmental Science is one of these five departments and has four chairs. Rural Environmental and Symbiotic Science is one of these five chairs. Department of Mountain and Environmental Science work on together with Institute of Mountain Science, so they have a close connection. This international symposium was planned mainly by both Institute of Mountain Science and Rural Environmental Symbiotic Science, tied up with Faculty of Agriculture. These Institute and Department are now aiming to adopt Global COE program, the highest research subsidy in the world. This international symposium is one of the steps for the adoption.

Theme of this symposium is “Management and Analysis of Organism using Remote Sensing and Geographical Information”. The key-note lecturer is Dr. François A. Gougeon. He is a prominent scholar researching on remote sensing in Pacific Forestry Center of Natural Resources Canada. The title of the key-note lecture is ‘Forest remote sensing in Canada’. I wish to express my hearty gratitude to Dr. Francois to accept the offer of today’s key-note lecture.

After the key-note lecture, there are four lectures related to remote sensing. First, the lecture is by Sourovi Zaman from Shinshu Univ. AFC. The title is ‘Analysis the damage of Komagane forest caused by red pine beetle using GIS in Komagane city, Nagano prefecture’.

Secondly, by Keiko Koda from Shinshu Univ. AFC, under the title, ‘Analysis of the geographical distribution of an endangered butterfly species, the large Shijimi blue using insect database’.

Thirdly, by Dr. Hiroshi Nakamura from Shinshu Univ. AFC under the title, ‘Analysis of the progress of invasion of insect pest, the Mexican been beetle in Nagano Prefecture using GIS’.

Lastly, by Mario Naruse from Shinshu Univ.AFC, under the title, ‘Distribution of birds inhabit using high resolution airborne image with GIS- a case of Shinshu University campus forest’.

For the efforts to plan and execute this symposium, I wish to express my thanks to Prof. Keisuke Suzuki, the president of Institute of Mountain Science, and to the members of Organizing Committee and to the staffs of the Faculty of Agriculture.

Prof. Masao Koike  
Head of Rural Environmental Symbiotic Science

Organizing Committee  
Prof. Tetuso Okano, Chairman  
Prof. Masao Koike  
Prof. Masato Kato  
Prof. Hiroshi Nakamura