

PREFACE

Center for Environmental Remote Sensing (CEReS), Chiba University was established in 1995 for the purpose of developing remote sensing technology and its application to environmental science. Since then, CEReS has hosted an international symposium every year in a variety of fields in remote sensing(2003); vegetation (1995, 1998), oceanography (1999), atmosphere (1998, 2001), hydrology (1997), arid land (1997) and cryosphere (2003). In the field of atmosphere, a symposium entitled “Atmospheric correction of satellite data and its application to global environment” was held in 1998, and another one “Remote sensing of the atmosphere and validation of satellite data” in 2001. For the title of the coming symposium in 2005, we have selected the topic of radiation budget and related validation activities. Radiation budget is of vital importance in the consideration of global warming and climate. Remote sensing (RS) provides the capability of global-scale monitoring; in particular, the atmospheric RS has a considerable potential for future development. At the present stage, we still need intensive validation activities in order to establish the relationship between the satellite monitoring and true atmospheric/ground conditions. Furthermore, long-term satellite and ground observations will provide us with the precious data concerning the environmental trend. This symposium is organized to present and discuss these state-of-the-art issues in this fast developing field of the atmospheric RS.

This symposium consists of a keynote talk, 5 oral sessions, 1 poster session and 1 session for introducing the center projects. This covers a wide field including aerosol and cloud and their validation on the ground.

If this symposium will become useful in promoting the relating study, then it is the greatest pleasure as an organizer.

Nobuo Takeuchi
Symposium Chair
Prof. of Chiba University
Director of CEReS