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Preface to the Special Issue for ISPMSRS05

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This special issue brings together papers that were presented in the 9th International Symposium on Physical Measurements and Signatures in Remote Sensing (ISPMSRS05), Beijing, 2005.

The ISPMSRS series is affiliated with the International Society for Photogrammetry and Remote Sensing (ISPRS) Commission VII/I Working Group on Fundamental Physics and Modeling. The ISPMSRS05 was intent to provide an international forum for advancing remote sensing research with an emphasis on remote sensing systems, methods and applications. This goal was well achieved with a series of oral and interactive presentations. Moreover, three review panels were conducted to demonstrate the achievements of land remote sensing in the past years and set the research agenda for the near future. The papers in this special issue mainly summarize some of the progress in the following fields:

(1) Spectral measurements of canopy parameters;

(2) Technology for simulation, modeling, classification of terrestrial parameters and a data processing system for MODIS;

(3) Remote sensing applications in disease, forest, desertification, crop, and vegetation chlorophyll monitoring.

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