

Preface

The joint workshop "The role of models in automated scene analysis" is organised jointly by two working groups of the International Society for Photogrammetry and Remote Sensing, ISPRS. The first one is the Intercommission WG II/III "Digital photogrammetric systems" with Ian Dowman and David McKeown as chairmen and Zubbi Nwosu as secretary, and the second one is the WG III/2 "Geometric-radiometric models and object reconstruction" with Kennert Torlegård and Wolfgang Förstner as chairmen and Eberhard Gülch as secretary.

This workshop addresses the specific requirements on models for objects, sensors and interpretation and their impact on design and performance of algorithms in automated image analysis for various applications. Digital photogrammetry is undergoing a rapid development and new applications are demonstrated and introduced in mapping, remote sensing, GIS, close range photogrammetry and machine vision. Advanced simulation uses high resolution digital elevation models and other highly realistic ground-based models for the visualisation process.

The present proceedings are the collected papers and view-graphs of the 14 invited speakers. The intention with the joint workshop is to provide a forum for in-depth discussions among specialists so as to initiate new thoughts and ideas and to open up new avenues of development. It is hoped that these proceedings will be of help for the participants and serve as a background for their contributions to the discussions.

We do not plan to publish any proceedings after the workshop. Speakers, moderators and participants are encouraged to publish their further contributions in the ordinary way. Reference to this workshop, whenever applicable, is of course appreciated.

The workshop is arranged and sponsored by the Department of Geodesy and Photogrammetry at the Royal Institute of Technology, Stockholm.

On behalf of the organisers I greet speakers, moderators and participants welcome, and we wish them fruitful discussions and successful deliberations.

Kennert Torlegård