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Ulrich Michel
Daniel L. Civco
Editors

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Introduction

These proceedings contain 51 papers that were presented at the SPIE conference on Earth Resources and Environmental Remote Sensing/GIS Applications, formerly known under the title "Remote Sensing for Environmental Monitoring, GIS Applications, and Geology." The conference took place 20–23 September 2010, once again in Toulouse, France; it was the 10th conference with this topic after its inauguration in Toulouse in 2001.

The conference sessions with presented papers and interactive posters were grouped into the following themes: Processing Methodologies, Infrastructures and Urban Areas, Hazards Mitigation Geologic Application, Sensors and Platforms, Environmental Monitoring Concepts, Remote Sensing and GIS in Education and Remote Sensing for Archaeology. Lively discussions often continued into the coffee breaks. Although the session topics seemed rather diverse, there was a common thread to many papers, i.e., application of remotely sensed data for the protection of our environment and the integration with geographic information systems (GIS). There was strong support from the audience to continue these themes for future conferences.

The paper collection and review process were again perfectly organized by the SPIE staff. We like to thank the SPIE staff on-site for their responsiveness and support. We are also grateful to our program committee for their help in the reviewing and session compilation process.

Ulrich Michel
Daniel L. Civco