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Earth Resources and Environmental Remote Sensing/GIS Applications VI

**Ulrich Michel
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Editors

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Introduction

These proceedings contain 38 papers that were presented at the SPIE Conference "Earth Resources and Environmental Remote Sensing/GIS Applications" (Conference 9644) formerly known under the title 'Remote Sensing for Environmental Monitoring, GIS Applications, and Geology'. The Conference took place in Toulouse, France from 22 September to 24 September 2015. It was the fifteenth Conference with this topic after its inauguration in Toulouse, France, in 2001.

The Conference sessions with presented papers and interactive posters were grouped into the following themes: Sensors and Platforms, Environmental Monitoring Concepts, Remote Sensing for Archaeology, Cultural and Natural Heritage, Hazard Mitigation Geologic Applications, Processing Methodologies, and Infrastructure and Urban Areas. Lively discussions often continued into the coffee breaks. Although the session topics seemed rather diverse, the multidisciplinary community of this Conference allowed discussion of important topics from several interesting point of views. E.g. actual space borne sensors allows long term monitoring of oil pollution in an extraordinary precision and with really concerning results leading to an intensive and interesting discussion between experts of several disciplines. After all there was a strong support from the audience to continue these themes for future conferences and following the suggestions we will try to organize a special session dealing with methods and assessment of actual data fusion techniques.

The paper submission and review processes were again perfectly organized by the SPIE staff. We like to thank the on-site SPIE staff 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
Karsten Schulz
Manfred Ehlers
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