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Ulrich Michel
Daniel L. Civco
Editors

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Karl Staenz, University of Lethbridge (Canada)

John L. van Genderen, ITC (Netherlands)

Christiane H. Weber, Université Louis-Pasteur (France)

Session Chairs

Radar/SAR Application and Technique

Karsten Schulz, Forschungsgesellschaft für Angewandte
Naturwissenschaften e.V. (Germany)

Archaeology, Cultural, and Natural Heritage Geospatial Infrastructure I

Rosa Lasaponara, Consiglio Nazionale delle Ricerche (Italy)

Archaeology, Cultural, and Natural Heritage Geospatial Infrastructure II

Nicola Masini, Consiglio Nazionale delle Ricerche (Italy)

Data Fusion

Pablo H. Rosso, Universität Osnabrück (Germany)

Geological Remote Sensing

Panagiotis G. Tsombos, Institute of Geology & Mineral Exploration
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Environmental Monitoring II

Anna Maria Trosset, Deutsches Zentrum für Luft- und Raumfahrt e.V.
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Environmental Monitoring III

Michael Wurm, Deutsches Zentrum für Luft- und Raumfahrt e.V.
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Urban Remote Sensing

Antje Thiele, Forschungsgesellschaft für Angewandte
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Environmental Monitoring IV

Claas Olehowski, Pädagogische Hochschule Heidelberg (Germany)

Environmental Monitoring V

Hannes Taubenböck, Deutsches Zentrum für Luft- und Raumfahrt e.V.
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Airborne and High Resolution Remote Sensing I

Frank Lehmann, Deutsches Zentrum für Luft- und Raumfahrt e.V.
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Airborne and High Resolution Remote Sensing II

Tilman U. Bucher, Deutsches Zentrum für Luft- und Raumfahrt e.V.
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Classification - Evaluation

Jochen Schiewe, HafenCity Universität Hamburg (Germany)

Environmental Monitoring VI

Daniel L. Civco, University of Connecticut (United States)

Introduction

These proceedings contain 73 papers that were presented at the SPIE Conference "Remote Sensing for Environmental Monitoring, GIS Applications, and Geology". The Conference took place in Berlin, Germany, 31 August–3 September 2009. It was the ninth 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: Radar/SAR Application and Technique, Archaeology, Cultural and Natural Heritage Geospatial Infrastructure, Data Fusion, Geological Remote Sensing, Environmental Monitoring, Urban Remote Sensing, Airborne and High Resolution Remote Sensing, and Classification – Evaluation. 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., the application of remotely sensed data for the protection of our environment and the integration with geographic information systems (GIS). Our conference is the only one within SPIE's International Symposium on Remote Sensing that covers GIS. There was strong support from the audience to continue these themes for future conferences.

The paper submission and review process were again perfectly organized by SPIE. We are also grateful to our Program Committee for their help with reviewing and the session compilation process.

Ulrich Michel
Daniel L. Civco