

# PROCEEDINGS OF SPIE

## ***Remote Sensing of Clouds and the Atmosphere XXII***

**Adolfo Comerón**  
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**Klaus Schäfer**, Karlsruher Institut für Technologie (Germany)

## Introduction

The growing interest in remote sensing of clouds and atmosphere with both air quality and climate-related perspectives brought new incentives for developing enhanced sensors and awe-inspiring retrieval techniques. The proceedings contained in this volume present the reader with new advances in a broad range of disciplines related to remote sensing and environmental monitoring, and permit reflection on current challenges, future opportunities, and important applications. A diverse audience of leading experts and talented junior investigators from Europe, North America, and Asia shows the high level of international interest in the rapidly developing and multidisciplinary topics associated with remote sensing, environmental monitoring, and weather forecast. These topics were covered well by four oral sessions and one poster session with interesting presentations and enriching discussions. For example, an invited talk by Dr. Alexander Smirnov, NASA Goddard Space Flight Center, USA, reviewed the most ground-breaking research on Maritime Aerosol Network optical depth measurements and stimulated a fruitful discussion. The meeting was held in Warsaw, Poland, a charming and historic city with remarkable cultural background. This flourishing artistic place is also well-known as the city of Chopin. It is our pleasure to acknowledge the SPIE Organizing Committee for managing this memorable meeting (with a touch of Chopin's spirit) smoothly and thank all the participants for their valuable contributions.

**Adolfo Comerón**  
**Evgueni I. Kassianov**  
**Klaus Schäfer**  
**Richard H. Picard**  
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