

# PROCEEDINGS OF SPIE

## ***Atmospheric Propagation VI***

**Linda M. Wasiczko Thomas**  
**G. Charmaine Gilbreath**  
*Editors*

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## Introduction

We have reviewed another year of innovative, pertinent research in Atmospheric Propagation. In the core atmospheric propagation session, researchers from industry, academia, and government presented papers on twenty-six research topics. Many of the attendees of the conference have participated in this meeting for the past six years. We welcomed new contributors to the meeting, who brought valuable new perspectives to our scientific debates.

The theory of optical beam propagation in the atmosphere is continuously evolving, from core Kolmogorov theory, to advances by Larry Andrews and Ron Phillips, Mikhail Charnotskii, and Gary Baker. The experimenters in our community provide fuel for further theoretical developments by quantifying optical propagation relevant to aero-optics, coherence, aerosols, and varied environments and terrain. The forum that this conference provides allows researchers with different and complementary areas of interest to come together, debate, and inspire future advances in atmospheric propagation.

We had the privilege this year of expanding our conference to include a Workshop on Active and Passive Signatures. In this dynamic world, signatures are critical to the detection and identification of events. We thank Chadwick Hawley from the Signatures Support Program for his hard work in setting up a successful workshop and inspiring future work in signature science.

The members of the atmospheric propagation organizing committee would like to thank all the participants for making this year a great success. We look forward to discussing your new research results at Atmospheric Propagation VII.

**Linda M. Wasiczko Thomas  
G. Charmaine Gilbreath**

