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***Noise and Fluctuations in
Photonics, Quantum Optics,
and Communications***

Leon Cohen
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Introduction

The fourth SPIE International Symposium on Fluctuations and Noise took place in May 20–24, 2007. This volume consists of the papers in the Noise and Fluctuations in Photonics, Quantum Optics, and Communications conference. The conference took place in a wonderful locale, at the Villa La Pietra in Florence, Italy. I thank all the authors for their participation and contributions.

In addition to the standard topics we had seven special sessions:

- Novel Quantum Optics (Suhail Zubairy)
- Nonstationary Noise (Lorenzo Galleani)
- Quantum Walks and Noise (Langford White, Sanjeev Naguleswaran)
- FaN in Atomic Clock Applications (Patrizia Tavella)
- Timing Noise in High-Energy Astronomy (Tomaso M. Belloni)
- Quantum Entanglement (Luiz Davidovich)
- Quantum Coherence (Hai-Woong Lee)

I thank the organizers for putting together outstanding sessions, and I particularly thank the staff of SPIE for their usual highly professional efforts and for all their help.

Leon Cohen

