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***Nonimaging Optics: Efficient
Design for Illumination and
Solar Concentration VIII***

**Roland Winston
Jeffrey M. Gordon**
Editors

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Introduction

Welcome to the 2011 Nonimaging Optics Conference Proceedings. The first conference convened in 1991, so this represents the 20th anniversary.

From the beginning, the subject was differentiated from classical optics. In the first book on nonimaging optics in 1978, the great Walter T. Welford of Imperial College, London inserted the Stefan-Boltzmann law of radiation by a black body on page 1. When an optics book starts with a thermodynamic relation, you know something interesting is happening. From the beginning, concepts like maximum étendue, concentration, and thermodynamic efficiency are common themes. And that is why the fusion of the science of light (optics) with the science of heat (thermodynamics), is where much of the excitement is today.

On behalf of Jeffrey Gordon and Roland Winston, please enjoy the exciting new contributions to this vibrant field of nonimaging optics from this two-day conference.

Roland Winston
Jeffrey M. Gordon

