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James G. Grote
Francois Kajzar
Nakjoong Kim
Chairs/Editors

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Introduction

The present proceedings contains selected papers presented at Conference 6470, Organic Photonic Materials and Devices IX, a part of the SPIE Photonics West Optoelectronics Symposium 2007. The conference lasted for four days, with oral presentations on 21–23 of January 2007 and the poster presentations on the 24th. In total, 3 keynote lectures, 20 invited talks, 15 oral contributions, and four posters were presented. The oral presentations were organized into three sessions: Biophotonics, Nonlinear Optics, and Photovoltaics and Light Emitting Diodes. Excellent introductions into the presented topics were done by three keynote lectures:

- Nonlinear optics for nanophotonics and biophotonics (Prof. P. N. Prasad, University of Buffalo, USA)
- Polymers with unprecedented NLO response (Prof. N. N. Peyghambarian, College of Optical Science, Univ. of Arizona, USA)
- Photonics polymers for fiber-to-the-display (Prof. Y. Koike, Keio University, Japan)

These keynote lectures, as well as the invited presentations, allowed the introduction of the state-of-the-art technologies in the field of organic nonlinear optics. The shorter oral contributions and poster presentations presented the latest developments in this field. The worldwide participation in the symposium, with participants from the USA, Europe, and Asia, as well as the discussions which followed the presentations and during the coffee breaks, demonstrates the importance and usefulness of these meetings for the scientific community. The conference will be organized again in 2007 as part of Photonics West SPIE Symposium.

**James G. Grote
Francois Kajzar
Nakjoon Kim**