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**G. Groot Gregory
Arthur J. Davis**
Editors

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Introduction

This year in San Diego, California, we held the fifteenth conference of Novel Optical Systems Design and Optimization. The conference was very well attended and featured oral presentation topic tracks in Instrumentation, Novel Systems, Design Methods, Computational Tools, Biomedical Systems and Music and History. In addition, there was a poster session, a joint Optical Engineering Plenary Session and Technical Group Events.

The session on Design Methods was particularly well attended with standing room only in the meeting room. Also, the "Music and History" session was a brand new "experimental" session topic for us and this was well received. The topic appears to have struck a favorable chord amongst attendees and we look forward to growing participation next year.

Three invited papers were presented during the conference:

- Peter Goldstein of Philips Color Kinetics presented his work on formalizing a tangible and consistent method for color discrimination on the CIE chromaticity diagram. [8487-10]
- Dr. Greg Smith from the College of Optical Sciences, University of Arizona gave a real time demonstration of his group's open source, easy to use optical data analysis and visualization software SAGUARO. [8487-15]
- Andrew Sparks of L-3 WESCAM gave a lively media rich talk on the use of optics in the field of music. [8487-27]

The Novel Optical Systems Design and Optimization committee wanted to explore some new technology niches this year and this seems to have been a successful and positive endeavor. We look forward to continuing this effort next year!

Our thanks go to those who helped make this conference a success, especially the authors, audience, SPIE staff, and program committee. The authors share the credit for making this conference an unqualified success. The audience built upon this success by being active and asking engaging questions. The SPIE staff, especially the Technical Program Coordinators who ensured that everything ran smoothly before, during, and after the meeting. The program committee provided excellent assistance to ensure the quality of the content while also presiding over a number of the sessions. It was composed of Andrew Cheng, Jyh-Long Chern, Frank Grochocki, Andrew Harvey, Joseph Howard, Richard Juergens, John Koshel, Scott Lerner, Rongguang Liang, Paul Manhart, Rubén

Mohedano, Jorge Ojeda-Castaneda, Craig Olson, Andrew Rakich, Michael Robinson, Kevin Rolland-Thompson, José Sasián, David Shealy, Andrew Sparks and Marija Strojnik.

Next year we will return for the sixteenth iteration of this conference. The chairs will be G. Groot Gregory and Arthur J. Davis. The planning for Novel Optical Systems Design and Optimization XVI in 2013 is already underway, so please start planning submissions, questions, and attendance. Focus themes are being decided at this time. If you would like to assist with the 2013 or later conference please contact one of us. We look forward to seeing you in 2013!

G. Groot Gregory
Arthur J. Davis