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**Jerome Peter Lynch
Chung-Bang Yun
Kon-Well Wang**
Editors

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Introduction

This volume is a collection of technical papers presented at the 2013 SPIE Conference held in San Diego, California, on Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems. This conference is unique in the emerging area of sensors and smart structures technologies because of its multidisciplinary representations from the aerospace, civil, and mechanical engineering communities. As you find in the roster of the program committee, members of the program committee represented almost all the sub-disciplines of the engineering field. In addition to its multidisciplinary leadership, the conference attracted participants from over 20 different countries. The participation of the Asian-Pacific Network of Centers for Research in Smart Structure Technology (ANCRiSST) as a conference co-sponsor further strengthened the international identity of the conference.

The conference showed growth over the past few years; this year, over 184 papers were submitted and presented to the conference. The conference started with a keynote session with two excellent keynote presentations: "Sensing platforms for structural health monitoring" by Professor Sridhar Krishnaswamy, Northwestern University, and "Structural health monitoring of large-scale structures: from diagnostics to prognostics" by Professor YQ Ni, Hong Kong Polytechnic University. The opening plenary session was followed by 26 topical sessions and one poster session. The papers in these sessions covered a wide range of topics in: fiber optics and other novel sensors, structural health monitoring, signal processing, damage detection and assessment, wireless technologies, modeling and analysis of smart systems and applications to civil, mechanical, and aerospace systems.

In light of the increased number of submissions to this conference in recent years, we are optimistic that the conference has a bright future ahead. We would like to thank all of the authors and presenters of this year's conference for their contributions. The outstanding conference program was put together by the fine efforts of the program committee, and we are thankful to the members of the program committee for their unyielding commitment to making the conference a great success. Prof. Masayoshi Tomizuka, University of California Berkeley, who previously served as chair and co-chair of the conference decided to step-down from a leadership position after the 2012 conference. On behalf of the entire conference, we would like to thank Prof. Tomizuka for his unyielding commitment to the conference which resulted in its significant growth over the past 10 years. His bold, visionary leadership will be sorely missed.

**Jerome Peter Lynch
Chung-Bang Yun
Kon-Well Wang**