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Optical Measurement Techniques for Structures & Systems²

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PREFACE



Prof. Dr. **Joris Dirckx** and Dr. **Jan Buytaert**

Optics and photonics is one of the strongest growing markets in the world of high-tech. On the one hand, the growth is pushed by new discoveries, such as the rather recent invention of the blue LED which opened up an entire new field of lighting applications. On the other hand, the market is driven by a spectacular increase of new applications of both existing and new optical measurement methods. With the support of the National Research Foundation of Flanders FWO, the research network Optical Measurement Techniques for Structures and Systems was founded in 2004, with the aim to strengthen collaboration between Flemish and international partners in this fascinating and very broad field. The network both gathers teams which concentrate on the development of new methods, and teams which put these methods to use in very specific industrial, technological and scientific applications.

After the successful international conference OPTIMESS2009, the network members decided to plan a new conference in 2012 which would again be open to all researchers in the field, both from within and outside of the network. The OPTIMESS2012 edition of the conference was a joined collaboration between the University of Antwerp and Ghent University. Co-organizers were prof. dr. Roel Baets and prof. dr. Wim Van Paepegem (UGent), and especially dr. Jan Buytaert (UA). The conference took place in the beautiful historic city campus of the University of Antwerp, and gathered 117 participants coming from 16 different countries around the world. During the two-day-event, the latest developments in applications of optical measurement techniques were presented.

The OPTIMESS2012 conference and the publication of this book were supported by the Research Foundation – Flanders. The book brings a selection of proceedings papers, giving a state-of-the-art in the practical application of optical measurement techniques for structures and systems. This is the second volume of the series.

Joris J.J. Dirckx
conference chairman



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