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Functional Imaging and Modeling of the Heart

6th International Conference, FIMH 2011
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Proceedings

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Preface

It is a great pleasure to present to you this rich collection of papers in the form of the proceedings of the International Conference on Functional Imaging and Modeling of the Heart held in New York City, USA, during May 25–27, 2011. This was the sixth in a series of FIMH conferences, following a very successful meeting in Nice, France in 2009.

FIMH 2011 aimed to integrate the research and development efforts in the fields of cardiovascular modeling, physiology, and image-based analysis, at a range of scales and imaging methods. A major goal is to encourage interaction and collaboration among more technical scientists (e.g., in imaging, signal and image processing, applied mathematics, biomedical engineering and computer science), biologically oriented scientists (e.g., cardiac physiology and biology) and clinicians (e.g., cardiology, radiology and surgery), with a common interest in the heart. The FIMH 2011 program included three invited talks, original research paper presentations, and clinical and industrial panels offering interdisciplinary discussions on related cardiac topics.

The call for papers resulted in 123 submissions. Of these, 105 met the submission guidelines and were subjected to a rigorous review process. Each paper was sent to at least four reviewers. Fifty-four papers whose scores were above a certain threshold were accepted. The top 25 in terms of score were accepted as orals and the remaining 29 as poster papers.

We would like to thank our three invited keynote speakers, Eugene Grossi from New York University Medical Center, Ann Bolger from University of California San Francisco, School of Medicine and Joao Lima from Johns Hopkins University, whose excellent presentations were a highlight of the conference. We would also especially like to thank the team at the Center for Computational Biomedicine Imaging and Modeling (CBIM) and especially Shaoting Zhang, our Publications Chair, for the web support, the published proceedings and being a liaison with the rest of the Organizing Committee. Finally, we would like to thank Naomi Weinberger for all her assistance with the FIMH 2011 organization.

May 2011

Dimitris Metaxas
Leon Axel

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FIMH 2011 was organized by the Department of Computer Science, Rutgers University and New York University Medical Center.

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