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Structure from Medical Images***

Armando Manduca
Xiaoping P. Hu
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Introduction

These proceedings comprise the papers presented at the Physiology, Function and Structure from Medical Images Conference of the 2007 SPIE Medical Imaging Symposium held February 17–22 in the Town and Country Hotel in San Diego, California. The recent growth in interest generated by this conference continues. This year, the Physiology, Function, and Structure conference received 105 submissions. Of these, 57 were chosen for oral presentations and 40 for poster presentations from Sun Feb. 18 through Tues Feb. 20. The high quality of the submissions and their large number made the selection process extremely difficult.

This year's keynote address was given by Dr. Rebecca Richards-Kortum, Stanley C. Moore Professor and Chair of the Bioengineering Department at Rice University. The talk was entitled "In vivo optical molecular imaging for early cancer detection". The workshop on Sunday evening, organized by Xiaoping Hu of Emory University and Armando Manduca of the Mayo Clinic, was on "Molecular Imaging", and featured invited talks by Drs. Jeff Bulte (Johns Hopkins), David Vera (UC San Diego), Joseph Culver (Washington Univ.), and Erik Ritman (Mayo Clinic).

We wish to thank the members of the program committee for their dedication and hard work before and during the conference, which made it such a success this year. The conference is underwritten and facilitated by SPIE, and we are grateful to their professional staff for the smooth organization and logistical support, which they provided before, during, and after the meeting, and for the friendly working atmosphere that is a hallmark of the Medical Imaging Symposium, of which this conference is a part. We especially wish to acknowledge SPIE staff, who work tirelessly to coordinate this conference with the others at the symposium and who solve so many problems that naturally arise in a meeting of this size. Finally, we express our sincere thanks to all the authors who labored long and hard to produce the papers in this book.

Armando Manduca
Xiaoping Hu

