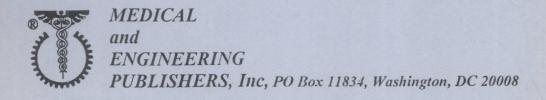
# BIOMEDICAL ENGINEERING RECENT DEVELOPMENTS

JAFAR VOSSOUGHI, Editor



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## BIOMEDICAL ENGINEERING RECENT DEVELOPMENTS

Proceedings of the
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#### **PREFACE**

Twenty-one years ago, a small group of Bioengineering Researchers decided to start a new regional conference series. Since most of the Biomedical Engineering Programs and the related industry are concentrated in the south and southeast, the annual conference series was called the **Southern Biomedical Engineering Conference**. The main objectives at that time were to bring together students and researchers in Biomedical Engineering in order to disseminate technical information in this rapidly developing field, and provide a forum consisting of established as well as new and future researchers in the field of Biomedical Engineering. The same objectives are true today.

This year's meeting is three to four times larger than the previous annual meetings with exception of the thirteenth that was also held in Washington, DC. Over 200 high quality papers were accepted from all over the United States and a few other countries. We also have a record number of high quality student papers.

The success of a large meeting like this is certainly due to the dedicated work of the authors and participants. I would also like to acknowledge the work of the reviewers, the session organizers, and chair persons.

Without the dedicated and endless work of my research staff at the Biomed Research Foundation, this program would not have been possible. I would like to acknowledge the editorial work of Ramzi Vincent as well as the continuous effort of Dr Joel D Bumgardner and his staff at Mississippi Sate University in maintaining an office and a Web Page for the Southern Biomedical Engineering Conference Series.

The co-sponsorship of the School of Ceramic Engineering and Materials Science at Alfred University is greatly acknowledged.

On behalf of the Steering Committee I would like to welcome you to the twenty first Southern Biomedical Engineering Conference and hope that you enjoy the meeting intellectually and/or otherwise.

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