

FROM THE CHAIR OF THE TECHNICAL PROGRAM COMMITTEE

Welcome to the 25th Annual Meeting of the Bioelectromagnetics Society, which will be held in the tropical paradise of Maui, Hawaii. The tradition of high quality scientific programs and fruitful scientific and intellectual exchange established during the past twenty-five meetings of the BEMS will continue, with this year's meeting including an exciting array of topics and presentations and festive 25th anniversary celebratory events.

The sustained interest in bioelectromagnetics is indicated by the record number of approximately 350 submitted abstracts for review. I am grateful to the members of the Technical Program Committee for their careful and helpful reviews to ensure the high scientific quality of the meeting. I am also grateful to the members of the Development Committee for raising significant funds to bring this meeting to fruition, and to James Ryaby, Chair of the Awards Committee, for enhancing student presentations and recognizing exceptional scientists.

Over the past few decades, bioelectromagnetic research has increased worldwide due to the increasing existence of electromagnetic fields in our natural environment. The program is organized to explore the broad spectrum of bioelectromagnetic research including the assessment of the biological effects of electromagnetic field exposure, mechanisms associated with the bioeffects, dosimetry, epidemiology, and beneficial therapeutic and medical applications. This year's plenary lectures are designed around themes that reflect the multidisciplinary character of bioelectromagnetics. On Monday, an overview of the results of major animal and cellular studies to assess the biological effects of electromagnetic field exposure will be presented. On Tuesday, epidemiological results related to populations exposed to ELF and RF/microwaves will be reviewed, and the feasibility and reliability of such studies will be discussed. Novel high-throughput screening techniques and theoretical studies to reveal the biological mechanisms associated with the bioeffects of electromagnetic field exposure on a molecular level will be introduced and explored on Thursday morning. On Thursday afternoon, clinical applications of electromagnetic fields to reduce pain and enhance healing will be revealed.

Thanks to the hard work and dedication of the following individuals, three interesting special symposiums are planned. Arthur Pilla for "Advances in EMF Therapeutics," Franz Adlkofer for "Presentation of REFLEX Results," and Mary Wolfe and Ron Melnick for "NTP/NIEHS: Carcinogenicity Studies of Cell Phone Radiation in Laboratory Animals."

In dedication to an extraordinary BEMS past president and student advocate, Mary Ellen O'Connor, fourteen students will present their work in a special platform session on Wednesday morning.

This year I am pleased to announce that James Lin will be awarded the prestigious d'Arsonval Award in recognition of his outstanding research over the years. A special award luncheon will be held on Monday.

The meeting would not be possible without the tremendous efforts and hard work of many individuals. In particular, I would like to thank Asher Sheppard, Past President, Frank Prato, President, Gloria Parsley, Executive Director, and Ewa Herbst, Chair of the Task Force on Meeting Quality, for their guidance, support, dedication, and patience.

The Technical Program Committee looks forward to your participation at the 25th Annual Meeting.

Shoogo Ueno
Chair, Technical Program Committee