

Breast Imaging and Medical Physics: Past, Present, and Future

SEAAPM Spring Symposium

March 27-28, 2003

Callaway Gardens, Pine Mountain, Georgia



The SEAAPM expresses our sincere thanks to the following companies for their generous sponsorship of the SEAAPM in the year 2003:

Varian Brachytherapy
Plutonium Level Sponsorship

Computerized Medical Systems, Inc.
Tungsten Level Sponsorship

Elekta
Siemens Medical Solutions
Lead Level Sponsorship

Symposium Directors

Gary T. Barnes, PhD, FAAPM, FACR
Professor Emeritus
University of Alabama at Birmingham
Medical Center
Birmingham, Alabama

Michael V. Yester, PhD, FAAPM, FACR
Professor
University of Alabama at Birmingham
Medical Center
Birmingham, Alabama

Symposium Faculty

<p>Paul L. Carson, PhD, FAAPM, FACR Collegiate Professor and Director Basic Radiological Science University of Michigan Medical Center Ann Arbor, Michigan</p>	<p>Loren T. Niklason, PhD Consultant Physicist Hillsborough, North Carolina</p>
<p>Kish Chakrabarti, PhD Div. of Mammography Quality & Radiation Programs Center for Devices and Rad. Health Food and Drug Administration Rockville, Maryland</p>	<p>James A. Princehorn President, Omega Medical Imaging Inc. & Consultant to Lorad, a Hologic Company Danbury, Connecticut</p>
<p>George David, MS Associate Professor Medical College of Georgia Augusta, Georgia</p>	<p>Ehsan Samei, PhD Assistant Professor Duke University Durham, North Carolina</p>
<p>Carl J. D'Orsi, MD, FSBI, FACR Professor and Director of Breast Imaging Emory University Atlanta, Georgia</p>	<p>John M. Sandrik, PhD Imaging Physicist General Electric Medical Systems Milwaukee, Wisconsin</p>
<p>G. Donald Frey, PhD, FAAPM, FACR Director, Diagnostic Physics Medical University of South Carolina Charleston, South Carolina</p>	<p>Anthony J. Seibert, PhD Professor, University of California Davis Medical Center Sacramento, California</p>
<p>David M. Gauntt, PhD Senior Project Engineer X-Ray Imaging Innovations Birmingham, Alabama</p>	<p>Perry Sprawls, PhD, FAAPM, FACR Professor Emory University School of Medicine Montreat, North Carolina</p>
<p>John P. Gibbons, PhD Chief Physicist Palmetto-Richland Memorial Hospital Columbia, South Carolina</p>	<p>Daniel J. Staton, PhD President Physica Imaging, LLC Birmingham, Alabama</p>
<p>Andrew Karellas, PhD, FAAPM Director of Radiologic Physics Emory University Atlanta, Georgia</p>	<p>Wlad T. Sobol, PhD Professor University of Alabama at Birmingham Medical Center Birmingham, Alabama</p>
<p>Debra L. Monticciolo, MD, FSBI Scott and White Clinic Temple, Texas</p>	

Symposium Schedule

Wednesday, March 26, 2003

7:00 PM– 9:00 PM	Registration / Reception	
------------------	---------------------------------	--

Thursday, March 27, 2002

7:00 AM– 8:00 AM	Continental Breakfast	
8:00 AM– 10:00 AM	Session I: Breast Imaging Past and Present	
	Welcome and Symposium Overview	Gary T. Barnes
	Technological Advances in Mammography: 1960-2000	Perry Sprawls
	Recent Advances in Screen-Film Mammography	Donald G. Frey
	Technological Advances in Ultrasound	Paul L. Carson
10:00AM-10:30 AM	Morning Coffee Break	
10:30 AM– 12:30PM	Session II: Medical Physics Testing I	
	Dose Creep in Mammography	Gary T. Barnes
	Optimizing Processor Performance	Wlad T. Sobol
	Medical Physics Reports: Problems Found During ACR Site Visits	Michael V. Yester
	Problems with Medical Physics Testing, The Equipment Design Engineer's Perspective	James A. Princehorn
	Panel Discussion	
12:30PM-1:30PM	Lunch Break	
1:30PM– 3:30PM	Session III: Digital Mammography I	
	Digital Imagine Quality Concepts	David M. Gauntt
	Digital Mammography: An Overview	Anthony J. Seibert
	Mammography Soft Copy Viewing: Problems and Solutions	Ehsan Samei
3:30PM- 4:00PM	Afternoon Refreshment Break in Commercial Exhibit Area	
4:00PM– 6:00PM	Session IV: Digital Mammography II	
	3D Breast X-Ray Imaging: Current and Future Capabilities	Loren T. Niklason
	The Future of Breast Imaging: A Clinical Perspective	Carl D'Orsi
	Panel Discussion	
6:00PM-7:30PM	Supper Break	
7:30PM– 9:30PM	Session V: Medical Physics Testing II (Optional Evening Session)	
	Mammography AEC Design and Evaluation	George David

	Stereotactic Performance Audits: Problems and Solutions	Daniel J. Staton
	Auditing Mammography Processor Performance	Gary T. Barnes
	Panel Discussion	

Friday, March 28, 2003

7:00 AM– 8:00 AM	Continental Breakfast	
8:00 AM– 10:00 AM	Session VI: Digital Mammography and Medical Physics Testing III	
	Digital Mammography Performance Audits: Differences and Similarities	Andrew Karellas
	Digital Mammography Performance Audits and Associated Problems: A Vendor Medical Physicist's Perspective	John M. Sandrik
	Mammography Soft Copy Viewing: QC Considerations	Ehsan Samei
	Panel Discussion	
10:00AM-10:30 AM	Morning Coffee Break	
10:30 AM– 12:00 PM	Session VII: FDA and ACR Activities and Accreditation	
	ACR Breast Ultrasound Accreditation: Physics Testing and QC	Paul L. Carson
	MQSA and Digital Mammography	Kish Chakrabarti
	ACR MAP Committee and Physics Subcommittee Activities	Michael V. Yester
	Panel Discussion	
12:00PM-1:30 PM	Lunch Break	
1:30PM– 3:30PM	Session VIII: Breast Cancer Management	
	Breast Disease Diagnosis and Management	Debra L. Monticciolo
	Breast Cancer Management: Radiation Therapy Physics Considerations	John P. Gibbons, Jr.
	Panel Discussion	
6:30PM-9:30 PM	Night Out at Callaway Gardens	