

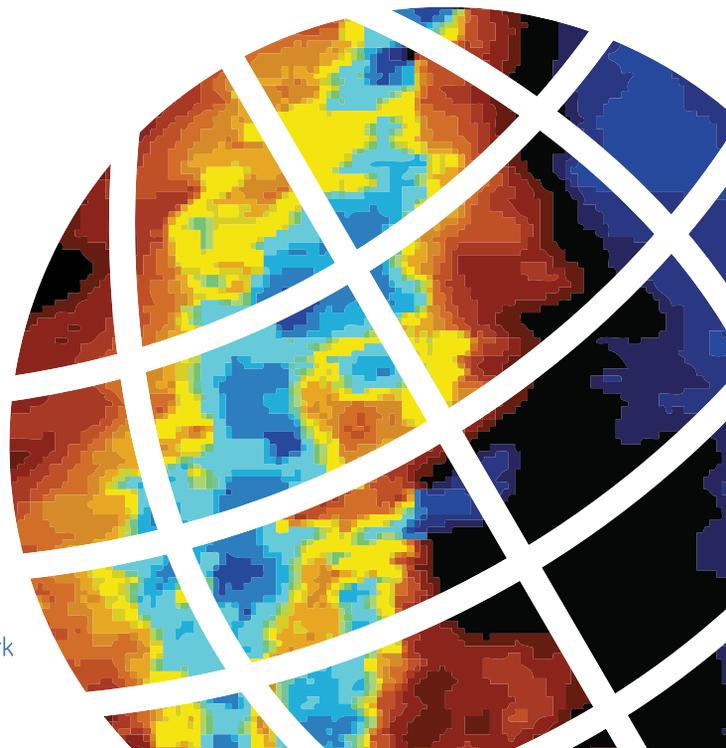
WORLD CONGRESS
ULTRASOUND IN MEDICAL EDUCATION

Conference & Schedule Program

April 29-May 1, 2011

**Columbia Metropolitan
Convention Center**

Columbia, South Carolina, USA



Corporate Benefactor



imagination at work

WORLD CONGRESS

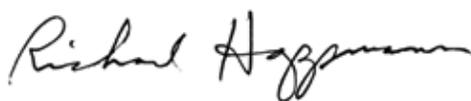
ULTRASOUND IN MEDICAL EDUCATION

Dear World Congress Attendee,

Welcome! Thank you for attending the First World Congress on Ultrasound in Medical Education in Columbia, South Carolina, USA, brought to you by WINFOCUS and the Society of Ultrasound in Medical Education and hosted by the University of South Carolina School of Medicine. You will hear from some of the world's greatest physicians and healthcare providers who will share best practices and how ultrasound will fundamentally change the way we teach and practice medicine.

For the novice, this will be a wonderful introduction to ultrasound and will serve as a starting point for future utilization. For the experienced, the World Congress will enhance your ultrasonography skills and heighten your awareness of new innovations in ultrasound. Every attendee, from medical education administrators to students, can share experiences, expertise, and their thoughts on how best to incorporate the power of ultrasound into education and clinical practice. The conference schedule includes 6 state-of-the-art plenary sessions, 18 concurrent and abstract sessions, expert panel presentations, abstract and poster presentations, 29 hands-on ultrasound workshops, industry exhibits, 17 AMA PRA Category 1 Credits™ and social activities/networking.

We hope you find your experience at the World Congress to be educational and fulfilling. Again, thank you for attending, and enjoy the southern hospitality of Columbia, South Carolina!



Richard A. Hoppmann, MD

President, First World Congress on Ultrasound in Medical Education

Dean, University of South Carolina School of Medicine

BROUGHT TO YOU BY:



HOSTED BY:



UNIVERSITY OF SOUTH CAROLINA
SCHOOL OF MEDICINE

Accreditation

The University of South Carolina School of Medicine – Palmetto Health Richland Continuing Medical Education Organization is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Credit Designation

The University of South Carolina School of Medicine – Palmetto Health Richland Continuing Medical Education Organization designated this live activity for a maximum of *17 AMA PRA Category 1 Credits™*. Physicians should only claim commensurate with the extent of their participation in the activity.

This CME activity is planned and presented in accordance with all ACCME Essential Areas and Elements (including the Standards for Commercial Support) and Accreditation Policies.

Disclosures and Resolution of Conflict of Interest

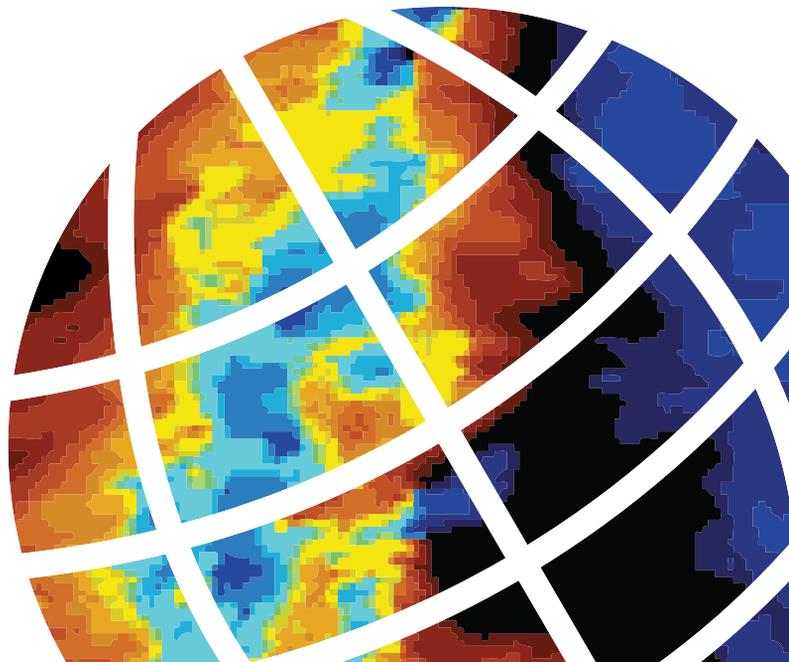
All faculty are required to disclose any relevant financial relationships. Relevant financial relationships and acknowledgements of commercial support will be disclosed to participants at the beginning of each educational session. Faculty are required to disclose off-label/investigative uses of commercial products/devices. Conflicts of interest are assessed and resolved through a review process conducted under the direction of the University of South Carolina School of Medicine – Palmetto Health Richland CME Organization.



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TIME	TITLE/TOPIC		ROOM
12:00 – 5:00 PM	Registration and Check-In		Upper Level Convention Center
1:00 – 6:00 PM	Exhibitor Set-up and Move-In		Exhibit Hall



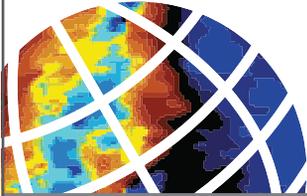
TIME	TITLE/TOPIC	SPEAKER(S)	ROOM
7:30 – 9:30 AM	Continental Breakfast		Exhibit Hall
7:30 AM – 5:30 PM	Registration Open		Upper Level
7:30 AM – 5:30 PM	Exhibit Hall Open		Exhibit Hall
8:15 – 8:45 AM	World Congress Welcome	Richard Hoppmann <i>Dean, University of South Carolina School of Medicine</i> Tomislav Petrovic <i>President, WINFOCUS</i> Harris Pastides <i>President, University of South Carolina</i>	Columbia Ballroom A & B
PLENARY 1: 8:45 – 10:15 AM		MODERATOR: TOMISLAV PETROVIC	
8:45 – 9:15 AM	The history of ultrasound and recent advances in technology	Jim Tsung	Columbia Ballroom A & B
9:15 – 9:45 AM	Historical perspective of clinical ultrasound	Daniel Lichtenstein	Columbia Ballroom A & B
9:45 – 10:15 AM	Ultrasound as a teaching tool	Raoul Breikreutz	Columbia Ballroom A & B
10:15 – 10:45 AM	BREAK		Exhibit Hall
PLENARY 2: 10:45 – 11:45 AM		MODERATOR: JEANETTE MLADENOVIC	
10:45 – 11:15 AM:	Ultrasound and the Evolution of the Physical Examination	Michael Blaivas	Columbia Ballroom A & B
11:15 – 11:45 AM:	Educational needs in ultrasound across the globe	Luca Neri	Columbia Ballroom A & B
11:45 AM – 1:00 PM	LUNCH and POSTER SESSION 1 (See Page 15)		Exhibit Hall
PLENARY 3: 1:00 - 2:00 PM		MODERATOR: RUTH RILEY	
1:00 – 1:30 PM	Ultrasound as a clinical tool for many specialties	Vicki Noble	Columbia Ballroom A & B
1:30 – 2:00 PM	The brave new world of bedside diagnosis	Abraham Verghese	Columbia Ballroom A & B
CONCURRENT SESSIONS: 2:15 - 3:45 PM			
CONCURRENT A		MODERATOR: MEERA NARASIMHAN	
2:15 – 2:45 PM	Pre-hospital Ultrasound	Tomislav Petrovic	Columbia C
2:45 – 3:15 PM	Military and Disaster Ultrasound	Rob Ferre Jeremy Johnson James Palma	Columbia C
3:15 – 3:45 PM	Ultrasound: Remote Locations	John McManus	Columbia C
CONCURRENT B		MODERATOR: LYNN THOMAS	
2:15 – 2:35 PM	Ohio State University	David Bahner	Hall of Fame
2:35 – 2:55 PM	Wayne State University	Matt Jackson	Hall of Fame
2:55 – 3:15 PM	University of California - Irvine	Chris Fox	Hall of Fame
3:15 – 3:35 PM	University of South Carolina	Richard Hoppmann	Hall of Fame
3:35 – 3:45 PM	Q&A		Hall of Fame

TIME	TITLE/TOPIC	PRESENTER(S)	ROOM
CONCURRENT SESSIONS (continued): 2:15 - 3:45 PM			
CONCURRENT C	ABSTRACTS/MEDICAL STUDENT ASSESSMENT	MODERATOR: BRITT WILSON	
2:15 PM	Medical Students Performing Independent Ultrasound in the Intensive Care Unit	Christian Fox <i>University of California Irvine</i>	Congaree A
2:30 PM	Teaching Clinical Sonographic Skills to Medical and Nursing Students	Shannon Larese <i>University of Virginia</i>	Congaree A
2:45 PM	Introducing Ultrasound in Cardiopulmonary Resuscitation to Medical Students	David Raymer <i>The Ohio State University</i>	Congaree A
3:00 PM	Assessment of Medical Student Performance in Discussing Central Venous Line Placement under Ultrasound Guidance with a Standardized Patient	Caroline Powell <i>University of South Carolina/Palmetto Health Richland</i>	Congaree A
3:15 PM	Assessment of Medical Student Performance in Detecting Thyroid Abnormalities in a Standardized Patient using Ultrasound	Caroline Powell <i>University of South Carolina/Palmetto Health Richland</i>	Congaree A
3:30 PM	Ultrasound in the hands of minimally trained medical personnel: The five step Aarhus training program (5S-ATP) for detection of pneumothorax Nils	Nils Petter Oveland <i>Norwegian Air Ambulance</i>	Congaree A
3:45 PM	Ultrasound Training as an Opportunity to Introduce Competency-Based Assessment in the Preclinical Medical School Curriculum	Matt Jackson <i>Wayne State University</i>	Congaree A
4:00 PM	Q&A		Congaree A
CONCURRENT D	ABSTRACTS/TECHNOLOGY & INNOVATIONS	MODERATOR: KEVIN CARNEVALE, MD	
2:15 PM	Real-time video streaming of ultrasound clips using domestic internet networks and free videoconferencing software	Andrew Liteplo <i>Massachusetts General Hospital</i>	Congaree B
2:30 PM	A pilot study to determine the feasibility of performing an observed assessment remotely, by transmitting simultaneous ultrasound and A/V signals, over a standard internet connection	Simon Richards <i>Teesside University</i>	Congaree B
2:45 PM	Remote Guidance Abdominal Ultrasound: A Medical Mission to Honduras	Brian Lace <i>Henry Ford Hospital</i>	Congaree B
3:00 PM	CME4Docs: Development of online ultrasound learning modules for category 1 CME credit	Duncan Howe <i>University of South Carolina</i>	Congaree B
3:15 PM	Learning module based on hands-on workshop of basic ultrasound abdominal anatomy	Vojko Flis <i>University Hospital Maribor</i>	Congaree B
3:30 PM	Q&A		Congaree B

TIME	TITLE/TOPIC	INSTRUCTOR(S)	ROOM
ULTRASOUND WORKSHOPS: 2:15 - 3:45 PM			
2:15 – 3:45 PM	Workshop 1: Introduction to Ultrasound for Students <i>Coordinator and Leader: Mary Beth Poston</i>	Alvin Wells Andres Leone Elizabeth Greene Mousumi Medda Anderson	Lexington B
2:15 – 3:45 PM	Workshop 2: Introduction to Ultrasound <i>Coordinator and Leader: Victor Rao</i>	Jongyeal Kim Gurjit Kaeley Sarah Schumacher Francis Neuffer	Lexington A
2:15 – 3:45 PM	Workshop 3: Vascular –Aorta, Inferior Vena Cava <i>Coordinator: Paul Eleazer</i> <i>Co-leaders: Jim Connolly, Bob Jarman</i>	Daniel Pedrollo Yi-Hong Chou Teresa Liu	Richland A
2:15 – 3:45 PM	Workshop 4: Trauma, the FAST Exam <i>Coordinator: Jeff Hall</i> <i>Co-leaders: Vicki Noble, Andrew Liteplo</i>	Marcio Rodrigues Bianca Bertuzzi Umberto Morelli	Richland B
2:15 – 3:45 PM	Workshop 5: Basic OB-GYN Ultrasound <i>Coordinators and Co-leaders: Paul Browne, Alfred Abuhamad</i>	Rob Reardon Judy Burgis Kerry Sims Susan Drake	Richland C
3:45 – 4:00 PM	BREAK		Exhibit Hall
CONCURRENT SESSIONS: 4:00 - 5:30 PM			
CONCURRENT E	ULTRASOUND TEACHING AND LEARNING	MODERATED BY: LYNN THOMAS	
4:00 – 4:30 PM	Ultrasound in the Simulation Center	Beatrice Hoffmann	Columbia C
4:30 – 5:00 PM	Ultrasound e-learning	Paul Dubbins	Columbia C
5:00 – 5:30 PM	Ultrasound teaching databases	Rob Reardon	Columbia C
CONCURRENT F	GUIDED PROCEDURES	MODERATED BY: KEVIN CARNEVALE	
4:00 – 4:30 PM	Expanse of Guided Procedures	Yi-Hong Chou	Hall of Fame
4:30 – 5:00 PM	Patient Safety and Guided Procedures	Dhruva Chaudhry	Hall of Fame
5:00 – 5:30 PM	Pearls for Hitting the Target	Dave Spear	Hall of Fame
CONCURRENT G	GLOBAL ULTRASOUND PRACTICE AND EDUCATION	MODERATED BY: MEERA NARASIMHAN	
4:00 – 4:20 PM	Mozambique and Lesotho	Alberta Spreafico	Congaree A
4:20 – 4:40 PM	India	Sanjeev Bhoi	Congaree A
4:40 – 5:00 PM	Australia	Adrian Goudie	Congaree A
5:00 – 5:20 PM	Brazil	Jose Pazeli	Congaree A
5:20 – 5:30 PM	Q&A		Congaree A

TIME	TITLE/TOPIC	INSTRUCTORS	ROOM
ULTRASOUND WORKSHOPS: 4:00 – 5:30 PM			
4:00 – 5:30 PM	Workshop 6: Vascular Access <i>Coordinator: Caughman Taylor</i> <i>Co-leaders: Tomislav Petrovic, Keith Killu</i>	Alan Sustic Deepak Govil Gabriele Via	Lexington A
4:00 – 5:30 PM	Workshop 7: Organs of the Abdomen <i>Coordinator: Steve Greenberg</i> <i>Co-leaders: Radu Badea, Chris Fox</i>	David Bahner Ramon Nogue James Palma	Lexington B
4:00 – 5:30 PM	Workshop 8: Lung Ultrasound <i>Coordinator: James McCallum</i> <i>Co-Leaders: Daniel Lichtenstein, Andrew Kirkpatrick</i>	Gregor Prosen Mike Blaivas Enrico Storti	Richland A
4:00 – 5:30 PM	Workshop 9: Musculoskeletal Ultrasound <i>Coordinator: Paul Eleazer</i> <i>Co-Leaders: Miguel Montorfano, Gurjit Kaeley, Alvin Wells</i>		Richland B
4:00 – 5:30 PM	Workshop 10: Ultrasound to teach physiology <i>Coordinator: Britt Wilson</i>	Mary Beth Poston Vic Rao Raj Vakani	Richland C

WORLD CONGRESS
ULTRASOUND IN MEDICAL EDUCATION



A Taste of the South
WELCOME RECEPTION

*University of South Carolina School of Medicine
cordially invites you to attend
“A Taste of the South”
welcome reception for the
World Congress on
Ultrasound in Medical Education
Friday, April 29, 2011
7:00 - 9:00 p.m.
South Carolina State Museum
301 Gervais Street
Columbia, South Carolina, USA 29201*

For your convenience, a shuttle will run continuously from the Columbia Metropolitan Convention Center to the South Carolina State Museum from 6:45 - 9:15 p.m.

TIME	TITLE/TOPIC	SPEAKER(S)	ROOM
7:30 – 9:30 AM	Continental Breakfast		Exhibit Hall
7:30 AM – 5:00 PM	Registration Open		Upper Level
8:00 AM – 3:30 PM	Exhibit Hall Open		Exhibit Hall
8:15 – 8:30 AM	Meeting Update - Playing for Change	Richard Hoppmann	Columbia Ballroom A & B
PLENARY 4: 8:30 – 10:00 AM		MODERATOR: MIKE BLAIVAS	
8:30 – 9:00 AM	Does point of care ultrasound improve access and quality of care: evidence throughout the world	Enrico Storti	Columbia Ballroom A & B
9:00 – 9:30 AM	The importance of education and innovative technology in addressing global health issues		Columbia Ballroom A & B
9:30 – 10:00 AM	Convincing deans that ultrasound should be in the medical student curriculum	Richard Hoppmann	Columbia Ballroom A & B
10:00 – 10:30 AM	BREAK		Exhibit Hall
PLENARY 5: 10:30 – 12:00 PM		MODERATOR: LUCA NERI	
10:30 – 11:00 AM	Is point of care ultrasound cost effective?	Larry Melniker	Columbia Ballroom A & B
11:00 – 11:30 AM	Point-of-care ECHO education	Susana Price	Columbia Ballroom A & B
11:30 – 12:00 PM	Ultrasound education and the global crisis in infant and maternal mortality	Alfred Abuhamad	Columbia Ballroom A & B
12:00 PM – 1:30 PM	LUNCH and POSTER SESSION 2 (See Page 15)		Exhibit Hall
CONCURRENT SESSIONS : 1:30 - 3:00 PM			
CONCURRENT H	ULTRASOUND TRAINING PROGRAMS	MODERATOR: JEANETTE MLADENOVIC	
1:30 – 1:50 PM	Ultrasound training in Slovenia	Gregor Prosen	Columbia C
1:50 – 2:10 PM	Starting resident and fellow programs	Pat Hunt	Columbia C
2:10 – 2:30 PM	UK masters program	Robert Jarman	Columbia C
2:30 – 2:50 PM	Ultrasound University	Keith Killu	Columbia C
2:50 – 3:00 PM	Q&A		Columbia C
CONCURRENT I	NEW TECHNOLOGY	MODERATOR: NANCY RICHESON	
1:30 – 1:55 PM	Ultrasound apps	Alvin Wells	Hall of Fame
1:55 – 2:20 PM	Smartphone and tablet-based ultrasonic imaging	David Zar	Hall of Fame
2:20 – 2:45 PM	Needle guided technology	Steve Ridley	Hall of Fame
2:45 – 3:00 PM	Q&A		Hall of Fame
CONCURRENT J	ABSTRACTS/CLINICAL APPLICATIONS	MODERATOR: JEANETTE FORD	
1:30 PM	Hand-carried ultrasound performed by hospitalists: Does it add to the accuracy of the cardiac physical examination?	David Martin <i>Johns Hopkins University</i>	Congaree A

TIME	TITLE/TOPIC	PRESENTER(S)	ROOM
CONCURRENT SESSIONS (continued): 1:30 - 3:00 PM			
CONCURRENT J	ABSTRACTS/CLINICAL APPLICATIONS	MODERATOR: JEANETTE FORD	
1:45 PM	Point-of-care ultrasound by primary care physicians and geriatricians: old adults, new technology, potential benefits and burdens	Sarah Schumacher <i>University of South Carolina/Palmetto Health</i>	Congaree A
2:00 PM	Hand-carried ultrasound performed by a hospitalist to assist with clinical decisions in medicine inpatients: A Case Series	Stefan Tchernodriniski <i>John H. Stroger Jr. Hospital of Cook County</i>	Congaree A
2:15 PM	Clinical cardiac tamponade vs. echocardiatic tamponade	James Kreiner <i>Palmetto Health Richland Hospital</i>	Congaree A
2:30 PM	Coupling ultrasound LVH Screening with risk assessment as a management strategy for patients with chronic hypertension in a free clinic	Duncan Howe <i>University of South Carolina</i>	Congaree A
2:45 PM	Training practicing primary care physicians in point-of-care ultrasound	Duncan Howe <i>University of South Carolina</i>	Congaree A
3:00 PM	The utility of ultrasound in the outpatient pulmonary clinic	Franklin McGuire <i>University of South Carolina/ Palmetto Health Richland</i>	Congaree A
CONCURRENT K	MEDICAL SCHOOL CURRICULUM	MODERATOR: ANDY SIDES	
1:30 PM	A vertically integrated medical school ultrasound curriculum at The Ohio State University College of Medicine	Daralee Hughes and David Bahner <i>The Ohio State University</i>	Congaree B
1:45 PM	Managing the logistics of a medical school ultrasound program	Scott Nelson <i>Wayne State University</i>	Congaree B
2:00 PM	Impact of faculty members with ultrasound specialization on ultrasound teaching by other faculty members	James Moak <i>University of Virginia</i>	Congaree B
2:15 PM	Competency based ultrasound guided peripheral IV curriculum for medical students: implementation and outcomes	Claudia Ranniger, <i>George Washington University</i>	Congaree B
2:30 PM	Incorporating global imaging into the medical education curriculum	Brandon Chapman <i>University of Vermont</i>	Congaree B
3:00 PM	Q&A		Congaree B

TIME	TITLE/TOPIC	INSTRUCTOR(S)	ROOM
ULTRASOUND WORKSHOPS: 1:30 - 3:00 PM			
1:30 – 3:00 PM	Workshop 11: Introduction to Ultrasound <i>Coordinator: Victor Rao</i>	Patricia Witherspoon Ross Hilliard Teresa Liu	Lexington A
1:30 – 3:00 PM	Workshop 12: Basic OB-GYN Ultrasound <i>Coordinators and Co-leaders: Paul Browne, Alfred Abuhamad</i>	Rob Reardon Judy Burgis Kerry Sims Susan Drake	Lexington B
1:30 – 3:00 PM	Workshop 13: Pediatric Ultrasound <i>Coordinator: Matt Garber Co-leaders: Jim Tsung, Ee Tay</i>	Bret Nelson Robert Arntfield Phillip Andrus Dave Spear	Richland A
1:30 – 3:00 PM	Workshop 14: Transcranial Doppler and Carotid Ultrasound <i>Coordinator and Co-leaders: Souvik Sen, Jongyeol Kim, Charles Tegeler</i>	Anthony Dean Shannon York	Richland B
1:30 – 3:00 PM	Workshop 15: Ultrasound to Teach Anatomy <i>Coordinator and Leader: Mary Beth Poston</i>	Jim Connolly Beatrice Hoffmann Gurjit Kaeley Chris Fox	Richland C
3:00 – 3:30 PM	Break		Exhibit Hall
CONCURRENT SESSIONS: 3:30 - 5:00 PM			
CONCURRENT L:	GLOBAL HEALTH	MODERATOR: SHAWN CHILLAG	
3:30 – 3:50 PM	Trauma and Ultrasound	Andrew Kirkpatrick	Hall of Fame
3:50 – 4:10 PM	Cardiovascular Disease and Ultrasound	Tomislav Petrovic	Hall of Fame
4:10 – 4:30 PM	The Lung and Ultrasound	Anthony Dean	Hall of Fame
4:30 – 4:50 PM	The Abdomen and Ultrasound	Radu Badea	Hall of Fame
4:50 – 5:00 PM	Q&A		Hall of Fame
CONCURRENT M:	ULTRASOUND EDUCATION: ORGANIZATIONAL EFFORTS (PANEL)	MODERATOR: MIKE BLAIVAS	
3:30 – 3:45 PM	WINFOCUS	Luca Neri	Columbia C
3:45 – 4:00 PM	Society of Ultrasound in Medical Education (SUSME)	Richard Hoppmann	Columbia C
4:00 – 4:15 PM	American Institute of Ultrasound in Medicine (AIUM)	Harvey Nisenbaum	Columbia C
4:15 – 4:30 PM	World Federation of Ultrasound in Medicine and Biology (WFUMB)	Paul Dubbins	Columbia C
4:30 – 5:00 PM	Panel Discussion		Columbia C

TIME	TITLE/TOPIC	PRESENTER	ROOM
CONCURRENT SESSIONS: 3:30 - 5:00 PM			
CONCURRENT N	RESIDENT ASSESSMENT	MODERATOR: DUNCAN HOWE	
3:30 PM	Feedback following the inaugural years' delivery of the first university masters-level programme in emergency medicine and critical care in the United Kingdom	Simon Richards <i>Teesside University</i>	Congaree A
3:50 PM	Ultrasound screening for left ventricular hypertrophy and abdominal aortic ultrasound in primary care: a residency curriculum	Mary Beth Poston <i>University of South Carolina</i>	Congaree A
4:10 PM	Ultrasound training among internal medicine residents: beginning of new era	Anjali Bhagra <i>Mayo Clinic</i>	Congaree A
4:30 PM	Cardiac ejection fraction determination using an ultrasound tutorial among medical students, emergency medicine residents, and cardiac fellows	Meenal Sharkey <i>The Ohio State University</i>	Congaree A
4:50 PM	Q&A		Congaree A
CONCURRENT O	ABSTRACTS/WHAT ROLE CAN STUDENTS PLAY?	MODERATOR: JEANETTE FORD	
3:30 PM	What's happening around the country? What role can students play in getting a program started?		Columbia Ballroom A & B
3:35 PM	Do they like it, will they use it: Medical students' perspectives on ultrasound curriculum	Teresa Liu <i>George Washington University</i>	Columbia Ballroom A & B
3:50 PM	Ultrasound interest group: A novel method of expanding ultrasound education in medical school	Nicole Dubosh <i>The Ohio State University</i>	Columbia Ballroom A & B
4:05 PM	Enriched Ultrasound Elective (EUE): Student-to-student structured mentorship for advancing ultrasound education during the 3rd Year of medical school	Andrew Schaffrinna <i>The Ohio State University</i>	Columbia Ballroom A & B
4:20 PM	We want ultrasound!	Ashley Davis <i>University of South Carolina</i>	Columbia Ballroom A & B
4:35 PM	Ultrasound student interest group	Ashley Davis <i>University of South Carolina</i>	Columbia Ballroom A & B
4:50 PM	Q&A		Columbia Ballroom A & B

TIME	TITLE/TOPIC	INSTRUCTOR(S)	ROOM
ULTRASOUND WORKSHOPS: 3:30 - 5:00 PM			
3:30 – 5:00 PM	Workshop 16: Ultrasound-Guided Procedures <i>Coordinator: Andy Sides Co-leaders: Bret Nelson, Phil Andrus, Robert Arntfield</i>	Jim Tsung Chris Fox Hamid Shokoohi	Lexington A
3:30 – 5:00 PM	Workshop 17: Introduction to ECHO <i>Coordinators and Co-leaders: Gus Agocha, Susanna Price, Erik Sloth</i>	James Kreiner David Bahner	Lexington B
3:30 – 5:00 PM	Workshop 18: Hand-held Devices <i>Coordinators and Co-leaders: Raj Vakani, Adrian Goudie</i>	Dave Zar Daniel Lichtenstein	Richland A
3:30 – 5:00 PM	Workshop 19: Deep Venous Thrombosis <i>Coordinator: Patricia Witherspoon Co-leaders: Bob Jarman, Jim Connolly</i>	Alan Sustic Shannon York Ramon Nogue	Richland B
3:30 – 5:00 PM	Workshop 20: Multi-System Approach to Shock <i>Coordinator: Nancy Richeson Co-leaders: Enrico Storti, Fernando Silva</i>	Keith Killu Rob Reardon Beatrice Hoffmann	Richland C
3:30 – 5:00 PM	EXHIBIT HALL CLOSE: LOAD-OUT		

TIME	TITLE/TOPIC	PRESENTER(S)	ROOM
7:30 – 9:30 AM	Continental Breakfast		Columbia Ballroom Lobby
7:30 – 8:00 AM	Meeting Update	Richard Hoppmann	Columbia Ballroom A & B
8:00 – 8:05 AM	Welcome	Congressman Joe Wilson	Columbia Ballroom A & B
PLENARY 6: 8:00 – 9:40 AM THE FUTURE		MODERATOR: ENRICO STORTI	
8:05 – 8:35 AM	Ultrasound: Toward Standards of Practice	Harvey Nisenbaum Carmine Valente	Columbia Ballroom A & B
8:35 – 9:05 AM	Extreme Ultrasound: Space Station and Beyond	Scott Dulchavsky	Columbia Ballroom A & B
9:05 – 9:35 AM	Ultrasound: Empowering Healthcare Worldwide	Luca Neri	Columbia Ballroom A & B
9:35 – 9:40 AM	Presentation of Awards		Columbia Ballroom A & B
CONCURRENT SESSIONS : 9:45 - 11:15 AM			
CONCURRENT P	ECHO	MODERATOR: JAMES KREINER	
9:45 – 10:15 PM	ECHO in the ICU	Gabriele Via	Hall of Fame
10:15 – 10:45 PM	TEE	Erik Sloth	Hall of Fame
10:45 – 11:15 PM	ECHO Beyond the Cardiologist	Michael Blaivas	Hall of Fame
CONCURRENT Q	ABSTRACTS/MEDICAL STUDENT ASSESSMENT	MODERATOR: JOSHUA THORNHILL	
9:45 AM	Focused ultrasound as part of a 3rd year clinical skills immersion experience: A proof of concept	John Kavanaugh <i>The Ohio State University</i>	Congaree A
10:00 AM	Advanced ultrasound training for 4th year medical students: A novel training program at The Ohio State University College of Medicine	Nelson Royall <i>The Ohio State University</i>	Congaree A
10:15 AM	The use of portable ultrasound in living anatomy teaching: lessons learned	Debra Patten <i>Newcastle University, Newcastle upon Tyne</i>	Congaree A
10:30 AM	Point-of-care ultrasound to enhance anatomic learning and clinical correlations with procedures in preclinical medical education	Hamid Shokoohi <i>George Washington University</i>	Congaree A
10:45 AM	Ultrasound-guided vascular access on a phantom: A training model for medical student education	David Bahner <i>The Ohio State University</i>	Congaree A
11:00 AM	Does ultrasound training during the head and neck anatomy lab improve dissection experience, dissection quality and examination scores?	Brion Benninger <i>Oregon Health and Science University</i>	Congaree A
11:15 AM	Q&A		Congaree A

TIME	TITLE/TOPIC	SPEAKER(S)	ROOM
CONCURRENT SESSIONS: 9:45 - 11:45 AM			
CONCURRENT R	CLINICAL APPLICATIONS OB-GYN	MODERATOR: CAROL MCMAHON	
9:45 AM	Learning Curve and Factors Influencing the Feasibility of Performing Fetal Echocardiography at the Time of the First Trimester Scan	Reem Abu Rustum <i>Center For Advanced Fetal Care, Tripoli, Lebanon</i>	Congaree B
10:05 AM	Evaluation of Ultrasound Training in Obstetrics & Gynecology Residency Programs in Lebanon	Reem Abu Rustum <i>Center For Advanced Fetal Care, Tripoli, Lebanon</i>	Congaree B
10:25 AM	Fetal Loss in Symptomatic First Trimester Pregnancies with Documented Yolk Sac Intrauterine Pregnancy	Mary Jo Hessert <i>Naval Medical Center, Portsmouth, Virginia</i>	Congaree B
10:45 AM	Field Testing a New Method for Performing Obstetric Ultrasound in Uganda	Brandon Chapman and Gwen Fitz-Gerald <i>University of Vermont</i>	Congaree B
11:05 AM	Q&A		Congaree B
TIME	TITLE/TOPIC	INSTRUCTOR(S)	ROOM
ULTRASOUND WORKSHOPS: 9:45 - 11:15 AM			
9:45 – 11:15 AM	Workshop 21: Introduction to Ultrasound <i>Coordinator and Leader: Mary Beth Poston</i>	Alfred Abuhamad Charles Tegeler Shannon York Peter Bonadonna	Lexington A
9:45 – 11:15 AM	Workshop 22: Lung Ultrasound <i>Coordinator and Co-leaders: Daniel Lichtenstein, Andrew Kirkpatrick</i>	David Bahner Robert Arntfield	Lexington B
9:45 – 11:15 AM	Workshop 23: Hand-held Devices <i>Coordinators and Co-leaders: Raj Vakani, Adrian Goudie, Mike Blaivas</i>	Dave Zar	Richland A
9:45 – 11:15 AM	Workshop 24: Multi-system Approach to Dyspnea and Fever <i>Coordinator: Rodney Reid Co-leaders: Gregor Prosen, Anthony Dean</i>	Luca Neri Enrico Storti Beatrice Hoffmann Chris Fox	Richland B
9:45 – 11:15 AM	Workshop 25: Vascular: Aorta / IVC <i>Coordinator: Steve Greenberg Co-leaders: Daniel Pedrollo, Pat Hunt</i>	Jose Pazeli James Palma	Richland C

TIME	TITLE/TOPIC	INSTRUCTOR(S)	ROOM
ULTRASOUND WORKSHOPS 6: 11:30 AM– 1:00 PM			
11:30 AM – 1:00 PM	Workshop 26: Nerve Blocks <i>Coordinator: Brian Keisler</i> <i>Co-leaders: Raoul Breitzkreutz, Mike Blaivas</i>	Paula Nocera	Lexington A
11:30 AM – 1:00 PM	Workshop 27: Organs of the Abdomen <i>Coordinator: Duncan Howe</i> <i>Co-leaders: Radu Badea, Chris Fox</i>	Miguel Montorfano Susan Drake	Lexington B
11:30 AM – 1:00 PM	Workshop 28: Vascular Access <i>Coordinator: Bethany Markowitz</i> <i>Co-leaders: Dave Spear, Rob Readon, Deepak Govil</i>	Hamid Shokoohi	Richland A
11:30 AM – 1:00 PM	Workshop 29: Trauma-the FAST Exam <i>Coordinators and Co-leaders: Vicki Noble, Andrew Liteplo</i>	Jim Connolly Andrew Kirkpatrick Larry Melniker	Richland B



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FACULTY AND SPEAKER BIOS



Alfred Abuhamad, MD currently serves as Professor and Chairman for the Department of Obstetrics and Gynecology at Eastern Virginia Medical School in Norfolk, Virginia. He is on the board of the Society of Ultrasound in Medical

Education, International Society of Ultrasound in Obstetrics and Gynecology, Maternal Fetal Medicine Foundation and the Overseas Medical Fund. Dr. Abuhamad is President of the Maternal Fetal Medicine Foundation and President-elect of the American Institute of Ultrasound in Medicine. He has published numerous papers in peer review journals and has authored two textbooks on fetal echocardiography.



Augustine Agocha, MD, Ph.D., MBA is currently Professor of Medicine and Chief of the Division of Cardiovascular Medicine at the University of South Carolina School of Medicine, and serves as Associate Chief of Staff for Clinical Operations at the WJB Dorn

Veterans Administration Medical Center in Columbia, South Carolina. He has clinical and research expertise in the area of heart failure evaluation and management. Dr. Agocha also holds an MBA from Temple University Fox School of Business in Philadelphia, PA where he focused on service quality and healthcare business strategy.



Phillip Andrus, MD, FACEP completed his residency training at Yale-New Haven Hospital in Connecticut and an Emergency Ultrasound fellowship at the Mount Sinai Hospital. His interests include point-of-care ultrasound in cardiac arrest, ultrasound

guided vascular access, information technology and critical care.



Robert Arntfield, MD, FRCPC completed his Emergency Medicine Residency and Critical Care Fellowship at the University of Western Ontario in Canada. He has a strong interest in transesophageal echocardiography and ultrasound education.



Radu Badea, MD is professor of Medical Imaging in the "Iuliu Hatieganu" University of Medicine and Pharmacy and chief of the US Department in the 3rd Medical Clinic, Cluj Napoca, Romania. In 1997 he built the first educational project focused on teaching

ultrasound in his university. He was involved in the elaboration of the national curriculum for ultrasonography in general practice. He is founding member of the Romanian Society of Ultrasound in Medicine and Biology (1997) and became president of this society in 2010. His activity is focused on daily practice of ultrasound (as a clinician and ultrasound expert), teaching ultrasound and research.



David Bahner, MD, RDMS graduated from University of Cincinnati College of Medicine in 1995 and completed a residency in emergency medicine from The Ohio State University in 1998. During his residency he became very active in ultrasound and

completed his RDMS certification in 2000. He has been active at the national level as an emergency ultrasound section leader at the AIUM and served on the Board of Governors of the AIUM from 2007-2010. He continues to champion early ultrasound education and has established an Ultrasound Academy at Ohio State with multiple opportunities for medical students, residents and faculty to learn sonographic techniques.



Sanjeev Bhoi, MD graduated as a University gold medallist and is currently Associate Professor at the Department of Emergency Medicine at the JPN Apex Trauma Centre, All India Institute of Medical Sciences (AIIMS) and received Michael

Moles fellow awarded by World Association of Disaster and Emergency Medicine. He is also the Joint Director of Indo-US Collaborative on Emergency Medicine and trauma to develop academic Emergency Medicine in India.



Michael Blaivas, MD trained in emergency medicine and went on to complete an Emergency Ultrasound fellowship at the University of Illinois, Christ Hospital Medical Center. Pursuing his interests in ultrasound education, research and

application development, he achieved the rank of professor of emergency medicine and now works outside of Atlanta. Dr. Blaivas has been the chairman of the emergency ultrasound sections for ACEP, SAEM and AIUM. He is a founding member of WINFOCUS and immediate past president. Dr. Blaivas is involved with multiple national and international specialty societies. He has edited two books and authored over 120 peer reviewed articles. He is currently on the SUSME board and is the vice-president of the society.



Raoul Breitreutz, MD is attending staff anesthesiologist at the University Hospital and Medical Faculty of the Saarland, Homburg/Saar Germany. His other appointments include University Hospital of Frankfurt am Main, associate professor and co-chair of the Emergency Ultrasound Working Group. He is

also the deputy chair of Emergency Ultrasound of the German Society of Ultrasound in Medicine (DEGUM), a WINFOCUS founding member, and counselor for the European Space Agency (ESA) on focused ultrasound for long-term missions.



FACULTY AND SPEAKER BIOS



Paul Browne, MD is an Associate Professor and a Maternal Fetal Medicine specialist at the University of South Carolina School of Medicine in Columbia, South Carolina. He completed his residency at MUSC in 1986 and his Maternal Fetal Medicine Fellowship

at Duke University in 1988. Dr. Browne retained positions of Assistant Professor and Clinical Associate Professor at Duke University and Emory University followed by 16 years in private practice in Atlanta, Georgia. Dr. Browne returned to academics in 2005 as a Clinical Instructor at the Medical College of Georgia. In 2009, he joined the University of South Carolina School of Medicine Division of Maternal Fetal Medicine seeing prenatal patients and consulting patients with high risk pregnancy complications.



Judith T. Burgis, MD is an Associate Professor and Interim Chair of the Department of Obstetrics and Gynecology at the University Of South Carolina School Of Medicine. Dr. Burgis joined the faculty at the University Of South Carolina School

Of Medicine in 2004. Dr. Burgis is an active member of the American College of Obstetricians and Gynecologists, the American Society for Colposcopy and Cervical Pathology, the North American Society for Pediatric and Gynecology, the South Atlantic Association of Obstetricians and Gynecologists, and the American Institute of Ultrasound in Medicine.



Paul Catalana, MD, MPH is a Professor of Clinical Pediatrics and Assistant Dean for Medical Education at the regional campus of the University of South Carolina School of Medicine in Greenville, SC. He completed a pediatric residency at the Greenville Hospital System University

Medical Center and a general academic pediatric fellowship at the Children's Hospital of Pittsburgh. He is board certified in pediatrics and sub-board certified in adolescent medicine.



Yi-Hong Chou, MD is chief of Ultrasound Section at Taipei Veterans General Hospital and Professor of Radiology at National Yang Ming University School of Medicine, Taipei, Taiwan. He is the President of the Radiological Society of the ROC, Treasurer of the AFSUMB, Chairman of Education

Committee of the SUMROC, the Editor in Chief of the Journal of Medical Ultrasound.



Jim Connolloy, MBBS, FRCS (Ed), FRCS (Glas) FCEM, CFEU, PgC has been an ED Consultant for over 10 years, during which he has used Ultrasound extensively in his day-to-day practice. He has published in this area and was co-author of a

successful BMJ book "Ultrasound in Emergency Care" due for republication this year. He has lectured extensively nationally and internationally and taught on a large amount of courses directed at all levels of participants from paramedics through undergraduate to Senior Clinicians.



Anthony Dean, MD is the Director of Emergency Ultrasound at University of Pennsylvania. In this position he has implemented mandatory resident training in emergency ultrasound and a dedicated Emergency Ultrasonography Fellowship. He is also the program director

for the mandatory rotation in Bedside Ultrasonography for the Pulmonary Critical Care Fellowship at the University of Pennsylvania, and trains Fellows in Surgical Critical Care, Pediatric Emergency Medicine, and Traumatology in clinician-performed bedside ultrasonography. He is a founding member of the WINFOCUS (World Interactive Network Focused on Critical Ultrasound).



Paul Dubbins, MBBS, BSc, FRCR is Consultant Radiologist at Derriford Hospital in Plymouth England. He has a major interest in ultrasound, having led the ultrasound department in Plymouth for 30 years. His practice covers all aspects of ultrasound but also includes other

forms of cross sectional imaging. He is the author of over 60 scientific papers and over 30 book chapters as well as the editor of 4 books on ultrasound topics. He is on the editorial board of the Journal of Clinical Ultrasound.



Scott A. Dulchavsky MD, PhD is a professor of surgery, molecular biology and genetics at Wayne State University School of Medicine. He serves as the Roy D. McClure Chairman of Surgery and the Surgeon in Chief at Henry Ford Health System in Detroit, Michigan. He is

a principal investigator for NASA and for the National Space Biomedical Research Institute in Houston, Texas. His research focus involves teaching ultrasound to the astronaut and cosmonaut crews of the International Space Station to use for medical emergencies.



G. Paul Eleazer, MD, FACP, AGSF serves as the Chief of Medicine at the Dorn Veterans' Administration Medical Center, in Columbia, South Carolina. He is a Diplomat of the American Board of Internal Medicine and re-certified in geriatrics in 1999. He is a Fellow in the

American College of Physicians and a Fellow in the American Geriatrics Society. Dr. Eleazer is the Chair of the Board of Directors, and past-president of the Association of Directors of Geriatric Academic Programs (ADGAP).



FACULTY AND SPEAKER BIOS



Rob Ferre, MD is an emergency medicine physician who completed a fellowship in emergency ultrasound. While on active duty for the United States Air Force, he served as the Emergency Ultrasound Director for the SAUSHEC Emergency Medicine Residency Program and

completed two combat tours in Iraq with the 332 EMDG. He is currently the Emergency Ultrasound Director at Vanderbilt University Medical Center and continues his military service in the Air Force Reserves.



John Christian Fox, MD, RDMS, FACEP, FAAEM, FAIUM has taught more than 200 courses around the country and around the world on 44 distinct applications of bedside ultrasound and how bedside imaging greatly extends

the physical exam and enhances diagnostic acumen. His audiences have been practicing emergency physicians, trauma surgeons, medical students, anesthesiologists, intensivists and EM residents. In 2002, he organized the first emergency ultrasound elective course in the nation for 4th year students, and some 400 students from around the nation and 25 international students have completed the externship. In August 2010 he integrated ultrasound into the curriculum for all four years of medical school at UC Irvine with the help from SonoSite.



Matthew Garber, MD is currently the director of pediatric hospitalists at the Children's Hospital of PHR and Assistant Professor of Pediatrics at the USC-SOM. He has been a hospitalist for 11 years, and has contributed to the pediatric hospital medicine (PHM) literature as reviewer and

author, including collaboration among SC's three children's hospitals. He has led the ultrasound training at USC-SOM for the pediatric clerkship since its inception, and helped create a poster describing the curriculum for this year's Pediatric Academic Societies conference. He is also organizing an ultrasound workshop at the annual PHM conference this year.



Adrian Goudie, MD is an Emergency Physician at Fremantle Hospital and King Edward Hospital for Women, in Western Australia. He completed his emergency training in Perth before working in Australia, South Africa and the UK, where he began training in ultrasound and echocardiography. He is regularly involved

in ultrasound training and education for critical care doctors. He is a member of the Australasian Society for Ultrasound in Medicine Council and currently chairs the Ultrasound Subcommittee of the Australasian College for Emergency Medicine.



Deepak Govil, MD, EDIC is working as Senior Consultant in Institute of Critical Care and Anesthesiology at Medanta-The Medicity, Gurgaon India. He is taking care of 22 bedded Gastroenterology and Liver Transplant Intensive Care unit. He is a

member of Education Committee of Indian Society of Critical Care Medicine. He is examiner and teacher for Indian Diploma in Critical Care Medicine. He is on the board of WINFOCUS where he is representing Indian Society of Critical Care Medicine. He has a keen interest in the use of ultrasound in Critical Care and teaching bedside ultrasound to critical care fellows.



Carmela Graci, MD, Ph.D. graduated from University of Milan School of Medicine, trained as a General Surgeon and Critical Care Physician. She also earned a PhD in Experimental and Transplants Surgery. She is a founding member of the World Interactive Network Focused on Critical

Ultrasound (WINFOCUS). Co-director of the WINFOCUS ITC (International Training Center) of Niguarda Cà Granda Hospital (Milan-Italy). She is regularly involved in ultrasound training and education for critical care doctors.



Beatrice Hoffman, MD, PhD, RDMS is an assistant professor in the Department of Emergency Medicine, Johns Hopkins University medical school and director of emergency ultrasound and ultrasound fellowship training. She has authored several manuscripts and book chapters

on the topic of emergency ultrasound, lectured at national and international venues, and is the founder and editor of the educational emergency ultrasound website of the American College of Emergency Physicians (ACEP), www.sonoguide.com, for which she received the national ACEP Ultrasound Section Award in 2008. She is the current chair of the Ultrasound Section of the Society of Academic Emergency Medicine (SAEM) and was elected corresponding member of the German Society of Ultrasound in Medicine (DEGUM).



Richard A. Hoppmann, MD, is a Professor of Medicine and Dean of the University of South Carolina School of Medicine. Dr. Hoppmann is board certified in Internal Medicine and Rheumatology. He is Director of the Ultrasound Institute at the University of South Carolina and is

principle investigator on multiple ultrasound grants totaling over \$1 million. He has introduced an integrated ultrasound curriculum (iUSC) over four years of medical student education and has helped develop an ultrasound training program for primary care physicians in rural South Carolina. He serves as President of the Society of Ultrasound in Medical Education.

FACULTY AND SPEAKER BIOS



Duncan Howe, Ph.D. over the past three years, as a member of the University of South Carolina School of Medicine Ultrasound Institute (USI) team, has developed ultrasound training programs for rural physicians and Free Clinic providers.

With the USI's education director, seven rural physicians and two Free Clinic providers are being trained to use point-of-care ultrasound as a screening tool and as an adjunct to their physical exams of the abdomen, heart, neck, lower extremity vascular, pelvic region, and the first trimester fetus. He spent the previous 15 years in primary and secondary prevention programs in rural communities in South Carolina.



Patrick Hunt, MD, MBA holds BS degrees in Chemistry and Biochemistry from NC State University, an MD from the University of North Carolina at Chapel Hill, and an MBA from Duke University. Dr. Hunt founded the Emergency Ultrasound Fellowship at Palmetto Health Richland in 2006, and

he currently serves as CEO of Carolina Care, PA, one of the largest single specialty medical practices in the Southeast. Dr. Hunt also heads the PSH Group, LLC which has developed a number of websites and online tools to help improve medical education and resident management.



Robert Jarman, MD is a Consultant in Emergency Medicine based in a busy urban department in Newcastle upon Tyne, in the northeast of England. His specialist interest is point-of-care ultrasound. Dr. Jarman is a Visiting Fellow at the University

of Teesside, Middlesbrough, and was instrumental in the development of the first UK Masters Programme in Point-of-Care Ultrasound. He is a member of the College of Emergency Medicine Ultrasound Subcommittee, and was the lead for guidance on Level 2 (enhanced) practice. He also sits on the Council of the British Medical Ultrasound Society, representing point-of-care ultrasound development in the Society.



Tripp Jennings, MD serves as the Director of Medical Student Education for Emergency Medicine and an Assistant Professor of Clinical Internal Medicine at the University of South Carolina School of Medicine. He is the Chief Medical Information Officer for the Palmetto

Health Quality Collaborative and Medical Informatics officer for the Ambulatory Clinics of Palmetto Health. He is board-certified in Emergency Medicine and is the outgoing President of the South Carolina College of Emergency Physicians and a Fellow of the American College of Emergency Physicians.



Jeremy N. Johnson, DO serves as the ultrasound fellowship director at the Carl R. Darnall Army Medical Center Fort Hood Texas. He is also the Director of the Emergency Ultrasound Course for the Joint Services Symposium as well as Military

Representative to EUS section of ACEP.



Gurjit Singh Kaeley, MBBS, MRCP, FACR is board certified in Internal Medicine and Rheumatology and is an Assistant Professor of Medicine and Program Director for Musculoskeletal Ultrasound at the

University of Florida College of Medicine, Jacksonville. He is the founding president of the (USONAR) Ultrasound School of North American Rheumatologists as well as a member of AIUM (American Institute of Ultrasound in Medicine), American College of Rheumatology, American College of Physicians, and GRAPPA (Group for Researcher and Assessment of Psoriasis and Psoriatic Arthritis).



Keith Killu MD, FACP, FCCP, serves as an assistant clinical professor in medicine and critical care, and the director of the Henry Ford Ultrasound University, Henry Ford Hospital in Detroit, Michigan. He is on the board of the Society of Ultrasound in Medical Education. He has published

multiple papers in peer review journals for ultrasound and has authored two ultrasound books. He built the first educational project focused on teaching ultrasound in his department and created a fellowship ultrasound curriculum, among the first in the United States. He received his undergraduate degree in science from Baghdad College, and attended a Baghdad University School of Medicine, Baghdad, Iraq.



Jongyeol Kim, MD, RPVI, RPT is Associate Professor of Neurology at Texas Tech University Health Sciences School of Medicine in Lubbock, TX. He completed his medical and neurology training in South Korea. Since 2009, he holds

Covenant Health System Endowed Chair in Cerebrovascular Disease, Head of the Section on Stroke and Cerebrovascular Disease, and Medical Director Stroke Program at University Medical Center in Lubbock, TX. Dr. Kim's ongoing research interests include the treatment and prevention of cerebrovascular disease and application of ultrasound in various diseases including stroke, concussion, and medical education.



Andrew Kirkpatrick, CD, MD, MHSc, FRCS, FACS is a Professor in the Departments of Surgery and Critical Care Medicine at the Foothills Medical Centre of the University of Calgary, and Medical Director of Regional Trauma Services. He

is past-President of the Trauma Association of Canada, an executive member of the Canadian Emergency Ultrasound Society, the World Society of the Abdominal Compartment Syndrome, the World International Network Focused on Critical Ultrasound, and a member of the Canadian Association of General Surgeons Evidence Based Reviews in Surgery among other duties. He retains a reserve commission in the Canadian Forces and has served overseas on several occasions. He is a former Paratrooper and Flight Surgeon and maintains a current pilots license.



FACULTY AND SPEAKER BIOS



Jim Kreiner, RDCS is the Program Advisor for the local cardiovascular ultrasound program through Midlands Technical College in Columbia, SC, and was one of the leaders who were instrumental in establishing the cardiovascular program in 2002. He has taught the echocardiography portion of the program for the past nine years. He has managed three departments for a local Heart Hospital for the past eight years, and has made it one of the premier choices of employment in Columbia. In 2009, he began working with the USC School of Medicine Ultrasound Institute to assist and train medical students in the area of echocardiography and to help incorporate diagnostic cardiac ultrasound into the everyday practice at The Free Medical Clinic in Columbia, SC.



Andres F. Leone, MD is an Assistant Professor of Internal Medicine and Family Medicine with Palmetto Health Alliance/ University of South Carolina School of Medicine – Division of Geriatrics. He is the Curriculum Director for The GERIBUS Program (Geriatric Bedside Ultrasound).

GERIBUS is an innovative program that envisions to teach Geriatric point of care ultrasound to Geriatricians, Medical Residents and Medical Students who serve the elderly population by utilizing the latest portable ultrasound technology.



Daniel Lichtenstein, MD is a medical intensivist working at Francois Jardin's ICU since 1989. Main works: defining critical ultrasound since 1986, as a tool for intensivists, 20 articles in international journals (mainly lung and venous ultrasound), five editions of a textbook

on critical ultrasound since 1992 (Springer), emphasizing on simple machine without doppler, one universal probe, dichotomic protocol for acute respiratory failure (BLUE-protocol, Chest 2008), simplifying cardiac sonography by using lung approach for managing acute circulatory failure (FALLS-protocol, Chest 2009), simple diagnostic and procedural fields (neonate's lung, cardiac arrest, venous line insertion, thoracentesis). He is also president of CEURF (personalized training center at the bedside in the ICU).



James McCallum, MD is the Associate Director of Primary Care and Subspecialty Medicine for Inpatient Services at the WJB Dorn VA Medical Center in Columbia, S, as well as an Assistant Professor of Clinical Internal Medicine, University of South Carolina

School of Medicine and Assistant Director of the Third -Year Clinical Clerkship, University of South Carolina School of Medicine.



COL John McManus, MD, MCR, FAAEM, FACEP currently serves as Director for the U.S. Army EMS Department, at the U.S. Army Medical Department Center and School, Fort Sam Houston, Texas and the EMS Fellowship Director, San Antonio

Uniformed Services Health Education Consortium. Previously he directed the Department of Pre-Deployment Medicine and performed combat casualty care research at the US Army Institute of Surgical Research and in the current combat Theater of Operations in Iraq and Afghanistan focusing on out-of-hospital and disaster medicine. Dr. Williams works as an attending emergency medical physician at two Level I trauma teaching hospitals in San Antonio, Texas.



Larry Melniker, MD, MS is the Vice Chair for Quality Management Department of Emergency Medicine at New York Methodist Hospital and has been a Clinical Epidemiologist since 2004 after completing a Clinical Epidemiology and Health

Services Research Fellowship and Master of Science at the Weill Graduate School of Medical Sciences of Cornell University. Larry is an Assistant Clinical Professor (Associate pending) in the Department of Medicine, Division of Emergency Medicine at Weill Medical College of Cornell University and a Lecturer in the Clinical Epidemiology Unit, Division of General Internal Medicine at the Weill Graduate School of Medical Sciences of Cornell University.



Jenny Mladenovic, MD, MBA, MACP is Professor of Medicine, Senior Associate Dean for GME, and Director of Research Education and Career Development at the University of Miami in Miami, Florida. She has 25 years of experience in academic

administration, having held positions as Chief of Chair of the Department of Medicine, and dean for education. Nationally, she has served as a member of the Board of Directors of the American Board of Internal Medicine, chaired the Examination Committee in Internal Medicine, and served on ACGME's RRC for Internal Medicine. Dr. Mladenovic is a hematologist, who for 18 years, directed an NIH-funded laboratory focused on hematopoietic stem cell differentiation.



Miguel Montorfano, MD is the Coordinator of Critical Ultrasound Education and chief of the Echo Doppler Ultrasound Unit in the Emergency Hospital of Rosario, Argentina. He is member of the board of Certification and Recertification in Ultrasound and Echo

Doppler at the Medical College of Rosario. Dr. Montorfano is founding member and past President of the Ultrasound Society of Rosario and past Vice President of FASED (Argentina Federation of Societies of Ultrasound and Echo Doppler). He has authored 2 books on Ultrasound (Gastroenterologic and Musculoskeletal Ultrasound) and several articles of the speciality. He is currently the Coordinator of WINFOCUS Latinoamerica.



FACULTY AND SPEAKER BIOS



Umberto Morelli, MD is a General Surgeon born in Italy and is trained and worked as a General Surgeon in four countries (Italy, France, Brazil, UK). He is a Clinical Fellow in General Surgery in the Academic Surgery Department-Royal London Hospital, Queen Mary University of London, and is also a postgraduate student

in Surgery at UNICAMP, Brazil. He is one of the founders of WINFOCUS Sao Paulo-Brazil and cooperates with workshops and lectures in order to develop the use of ultrasound in general surgery, both in routine and emergency settings. He has research interest in general, emergency and colorectal surgery, with 16 paper published in indexed journals and many presentations about the use of US in different clinical environments, with a current research project on the US in IBD management.



Bret Nelson, MD, RDMS, FACEP is Associate Professor of Emergency Medicine and Director of Emergency Ultrasound at the Mount Sinai School of Medicine in New York. He has lectured on ultrasound throughout the world, and his research interest is ultrasound education. He is coauthor of the Manual of

Emergency and Critical Care Ultrasound as well as Emergency Medicine Oral Board Review Illustrated (Cambridge University Press). He is Secretary of the AIUM Emergency and Critical Care Community of Practice. He is a member of the national faculty of The Difficult Airway Course, and has directed a number of CME conferences on basic and advanced ultrasound.



Professor Luca Neri is WINFOCUS (World Interactive Network Focused on Critical UltraSound) USCME Global Director and Past President. He is taking care of the international development of WINFOCUS training, scientific and humanitarian activities, travelling, lecturing and

networking throughout dozens of Countries every year. Trained as Emergency Surgeons and Critical Care Physician, apart from being managing Editor of the Critical Ultrasound Journal, he holds office as Critical Ultrasound Program Director in the Prehospital EMS/HEMS of 'Niguarda Ca' Granda' Hospital-AREU (Milan, Italy).



Francis Neuffer, MD joined the University of South Carolina School of Medicine radiology faculty in January 2002 and assumed directorship and chair of the department in January 2004. He has maintained a portion of his time in clinical practice with Pitts Radiology

and has served as the coordinator of medical school student basic science and clinical science education. His interests include thoracic and vascular imaging having spent the bulk of his career at a tertiary care cardiovascular hospital. He has extended clinical imaging to the basic science curriculum in anatomy and pathology and has assisted in the development of the ultrasound program at USC School of Medicine.



Harvey L. Nisenbaum, MD, FACR, FAIUM, FSRU, is an Associate Professor of Radiology, University of Pennsylvania School of Medicine and Chairman, Department of Medical Imaging, Penn Presbyterian Medical Center, Philadelphia, PA. He is President of the American

Institute of Ultrasound in Medicine (AIUM) (2009-2011), a unique, multidisciplinary association consisting of over 8,500 members, including physicians, sonographers, scientists, engineers, other healthcare providers, and manufacturers of ultrasound equipment. He is also Past-President of the Pennsylvania Radiological Society, the Philadelphia Roentgen Ray Society and the Greater Delaware Valley Ultrasound Society.



Vicki E. Noble, MD is the Director of the Emergency Ultrasound Program at Massachusetts General Hospital in Boston, MA, an attending physician in emergency medicine also at Massachusetts General and an Assistant Professor in Surgery at Harvard Medical School. She is the current

chair of the Ultrasound Section for the American College for Emergency Physicians and has lectured for over five years for the World Interactive Network Focused on Critical Ultrasound (WINFOCUS). She has co-authored a book on emergency ultrasound (Manual of Emergency and Critical Care Ultrasound, Cambridge University Press) and has research interests in lung ultrasound and technology solutions for ultrasound interpretation as a means to broaden access to the diagnostic capabilities of sonography.



Paula Nocera, MD graduated and completed a residency in Anaesthesiology from the University of Campinas (UNICAMP) Brazil. She completed a fellowship in Cardiovascular Anaesthesia and Intensive Care in Strasbourg-France. She is also the founder and coordinator

of WINFOCUS Sao Paulo and work with the Brazilian team to develop WINFOCUS among Portuguese-speaking countries.



Ramon Nogué, MD is Professor of Emergency Medicine and Director of Postgraduate training Emergency Medicine and Emergency and Critical Ultrasound in the School of Medicine, University of Lleida, Spain. He is also the Coordinator for Spain's program

training in ultrasound of the Spanish Society of Emergency Medicine, director and teacher of several basic and advanced courses of ultrasound in emergency patient care. He is author of the Manual of Emergency Ultrasound – Practical Guide in Spanish. He is currently the Coordinator of WINFOCUS (World Interactive Network Focused On Critical UltraSound), Spain.

FACULTY AND SPEAKER BIOS



James K. Palma, MD, MPH is an emergency medicine physician who is currently serving the US Navy, stationed at the Uniformed Services University (USU), F. Edward Hébert School of Medicine. His other duty stations have included service as the medical officer on an aircraft

carrier (USS George Washington, CVN-73), Naval Medical Center Portsmouth (Virginia), and US Naval Hospital Yokosuka (Japan). He also completed a two-year emergency ultrasound fellowship (Palmetto Health Richland, Columbia, SC), and is currently instituting a vertical ultrasound curriculum for the medical students at USU.



Jose Pazeli, MD, is an intensivist and nephrologist. Teacher of intensive care and nephrology at the School of Medicine of Barbacena since 1999 and residency preceptor of the Hospital Foundation of Minas Gerais. He is coordinator of the

Critical Care Unit and associate director of the dialysis unit of the Santa Casa de Misericórdia Hospital in Barbacena. He is also coordinator of WINFOCUS/Brazil and is involved in the organization of ultrasound courses in the critically ill and nephrology patients.



Daniel Pedrollo, MD works as Attending Physician at the Trauma Room in the Hospital de Pronto Socorro Porto Alegre and Assistant of the Emergency Residency Program at the same hospital. He also works as Attending Physician in the Emergency Department at Hospital

de Clínicas de Porto Alegre. Dr. Pedrollo works for the recognition of Emergency Medicine in Brazil as a specialty, and is a founding member of the Brazilian EM society and organized the first national conference of Emergency Medicine. Member of WINFOCUS since 2006, was involved in the organization of the 4th WINFOCUS World Congress in Porto Alegre – Brazil.



Tomislav Petrovic, MD is an Emergency Staff Physician at SAMU 93 – Hôpital Avicenne as well as the current WINFOCUS President.



Mary Elizabeth Poston, MD joined the Division of Internal Medicine in 2004 where she is currently Assistant Professor of Clinical Internal Medicine. She graduated from the University of South Carolina School of Medicine in 1999 where she also completed her residency in 2002. She

completed an Academic Generalist and MS Clinical Research Fellowship in 2004. Academically, Dr. Poston is interested in pre-clinical medical student education and is Director of the Introduction to Clinical Medicine curriculum. Additional interests include ultrasound in medical education and increasing physical activity in primary care.



Caroline K. Powell, MD, MS, FACP is an Assistant Professor in the Department of Medicine, Division of General Medicine at the University of South Carolina School of Medicine. She directs the M3 Internal Medicine clerkship and is the Associate Residency Program Director. She uses

ultrasound technology to complement the medical student training in procedures and physical exam during the core Internal Medicine clerkship.



Susanna Price, MD trained in both cardiology and intensive care medicine, and is a Consultant Cardiologist & Intensivist at the Royal Brompton Hospital, London. She developed a national training programme in ALS-

compliant peri-resuscitation echocardiography, endorsed by the BSE and supported by the Resuscitation Council. Dr Price sits on a number of committees including Chair of the Accreditation/Certification Committee in Acute Cardiac Care(ESC), a member of the Working Group Intensive Care Echocardiography (ESICM), the Executive committee European trans-catheter valve replacement/repair registry(ESC), Accreditation Committee(BSE), Education & Training Committee, Intensive Care Society and the ESC Task Force MCQs and Professional Standards.



After getting acquainted with WINFOCUS, **Gregor Prosen, MD** has seriously undertaken the task of helping bring point-of-care ultrasound in emergency medicine in Slovenia. As an assistant at local medical school/dept. of EM is helping

spread use of US as teaching tool in emergency medicine undergraduate program, both through understanding anatomy, (patho)-physiology and diagnostics.



Victor Rao, MBBS, DMRD, RDMS is the Director of Ultrasound Education at the USC School of Medicine. He works in rural mission hospitals and has a wide array of clinical exposure including surgery, OB-GYN, general medicine, dermatology

and radiology. His passion is ultrasound, he loves teaching ultrasound, and is currently involved in training medical students, nurse practitioners and physicians in various specialties as well as primary care physicians in diagnostic ultrasound. He also has been involved in clinical research in the USA in the use of high intensity focused ultrasound (HIFU) to treat BPH and prostate cancer. He has several publications and posters and also developed the online ultrasound learning modules for www.susme.org.

FACULTY AND SPEAKER BIOS



Rob Reardon, MD is the Director of Emergency Ultrasound at Hennepin County Medical Center in Minneapolis, MN, a faculty physician in the Department of Emergency Medicine at Hennepin County Medical Center, and an Associate Professor at the University of Minnesota. He has

significant experience teaching point-of-care ultrasound to students, residents and practicing physicians. He helped create www.hqmeded.com, which contains a free database of abnormal ultrasound images, and recently co-authored the Pocket Atlas of Emergency Ultrasound (McGraw Hill).



Stephen Ridley, MD is board certified in Emergency Medicine and practices at both Palmetto Health Baptist, where he serves as Chief of Emergency Medicine, and Palmetto Health Richland where he teaches in the Emergency Medicine Residency Program. His academic

interests include emergency ultrasound and the integration of developing technologies with medicine. Dr. Ridley is a co-founder and President of Soma Access Systems, LLC, a medical technology company that has developed needle imaging technology.



Sarah M. Schumacher, DO is a Geriatrician with Palmetto Health, Senior Primary Care Practice, in Columbia, South Carolina. Dr. Schumacher is an Assistant Professor of Clinical Medicine at the University of South Carolina where she is the Direct of

Geriatric vertical curriculum. She is the primary investigator for a HRSA ultrasound equipment grant and with her colleagues plans to implement point-of-care ultrasound in their all-geriatric medicine practice.



Souvik Sen, MD, MS, MPH is Professor and Chair of the Department of Neurology at the University of South Carolina School of Medicine and the Center of Economic Excellence Stroke Chair at the University of South Carolina. Sen is a Fellow of the American Heart Association and served

on the committee for Thoracic Aortic Disease guidelines sponsored by the American College of Cardiology and the American Heart Association. He is board certified in neurology and in the Vascular Neurology sub-specialty. Sen has published several peer-reviewed articles and book chapters.



Kerry Sims, MD joined the faculty of the University of South Carolina Department of Obstetrics and Gynecology in August of 2008. She is a North Atlantic Menopause Society (NAMS) Certified Menopause Practitioner. In addition to her comprehensive obstetric and gynecologic

practice at University Specialty Clinics, Dr. Sims serves as an attending physician in the labor and delivery and surgery units at Palmetto Health Richland and is the clerkship director for USC medical students.



Erik Sloth, MD, PhD, DMSc is a professor of clinical and experimental ultrasound diagnostics at Aarhus University in Denmark and has been a consultant for cardiothoracic anaesthesia and intensive care medicine at Aarhus University

Hospital since 2003. He has authored and co-authored 85 peer-reviewed papers, mainly on hemodynamics and cardiac function evaluated by means of echocardiography (TEE and TTE adult and pediatric). He also supervises PhD, research, and medical students. Dr. Sloth developed the FATE-protocol more than 20 years ago and thus, founded abbreviated echocardiography of the heart by non-cardiologists. In contrast to the other focused echo protocols, FATE includes pleura scan.



Dave Spear, MD is a faculty member both Children's Medical Center and Parkland Hospital in Dallas, Texas. As an associate professor at the University of Texas Southwestern Department of Surgery, he has a dual duty in training not only the emergency medicine residents at Parkland

Hospital but also the pediatric emergency fellows at Dallas Children's. In addition, he has an active role in the training pediatric trauma surgeons and critical care physicians in ultrasound usage.



Enrico Storti, MD is WINFOCUS (World Interactive Network Focused On Critical UltraSound) USCME Global Co-Director and Board of Directors Chair: he is taking care of the International development of WINFOCUS training, scientific and humanitarian activities, travelling, lecturing

and networking through out many of Countries every year. Trained as an internal medicine and critical care physician, apart from being managing assistant editor of the Critical Ultrasound Journal, he holds office as Critical Ultrasound Program Director in General Intensive Care Unit in 'Niguarda Ca' Granda' Hospital, Milan, Italy.



Professor Alan Šustić, MD, Ph.D. is head of the Department of Anesthesiology and ICU University Hospital Rijeka and Dean of Faculty of Medicine University of Rijeka, Croatia. His main field of educational and research interest is the role of ultrasound

in intensive care medicine. He published several important papers on this topic, especially on the role of ultrasound in airway management of critically ill patients.

FACULTY AND SPEAKER BIOS



Ee Tay, MD, FAAP is a pediatric emergency medicine physician who completed both her pediatric residency and pediatric emergency medicine (PEM) fellowship at Children's Hospital at Montefiore in Bronx, New York. While she has worked as an attending for several years after her PEM

fellowship, Dr. Tay has returned to training as a Pediatric Emergency Medicine Ultrasound fellow at Mount Sinai Medical Center in New York.



Charles Tegeler, MD is the McKinney-Avant Professor of Neurology at Wake Forest University School of Medicine in Winston Salem, NC, Director of the Ward A. Riley Ultrasound Center, Director of Telestroke Services, and Medical Director of the NeuroUltrasound Laboratory. Dr. Tegeler has

served as President of the American Society of Neuroimaging, Chair of the Neuroimaging Section of the American Academy of Neurology, President of the North Carolina Neurological Society, and is on the Board of Directors of the Intersocietal Commission for Accreditation of Vascular Laboratories, as well as the Executive Committee of the Neurosonology Research Group of the World Federation of Neurology.



Jim Tsung, MD has lectured and given workshops on point-of-care pediatric ultrasound nationally and internationally. He has authored several papers on point-of-care ultrasound use during pediatric resuscitation and other ultrasound topics related to pediatric emergency

care. He has served as the inaugural chair of the Pediatric Committee of the ACEP Ultrasound Section and led the first ever point-of-care ultrasound workshop at the Pediatric Academic Societies annual meeting. He is also the chair of the Pediatric Committee for WINFOCUS and section editor for the newly created "Critical Ultrasound Journal" on point-of-care ultrasound.



Carmine Valente, Ph.D., CAE is the Chief Executive Officer of the American Institute of Ultrasound in Medicine (AIUM). During his tenure at the AIUM, he has focused his efforts on strengthening and expanding the educational and collaborative opportunities for the multidisciplinary

ultrasound community. He currently serves as Chair of the National Specialty Society CEO Committee of the American Association of Medical Society Executives (AAMSE).



Abraham Verghese, MD, MACP is Senior Associate Chair and Professor for the Theory and Practice of Medicine, Stanford University School of Medicine. He is board certified in internal medicine, pulmonary diseases and infectious diseases. He has published extensively in medical

literature, and his writing has appeared in *The New Yorker*, *Sports Illustrated*, *The Atlantic Monthly*, *Esquire*, *Granta*, *The New York Times Magazine*, *The Wall Street Journal* and elsewhere. His most recent book, *Cutting for Stone* was on the New York Times Book list for over a year.



Gabriele Via, MD serves as Consultant for the 1st Department of Anesthesia and Intensive Care, IRCCS Policlinico San Matteo Foundation in Pavia (ITALY) as intensivist. He is founding member of the World Interactive Network Focused on Critical UltraSound (WINFOCUS), Director of the WINFOCUS Critical Care Echo

Global Training program, Director of the WINFOCUS Pavia ITC (International Training Center). He is regularly involved in ultrasound training and education for critical care doctors nationally and internationally. He is International Faculty of the WINFOCUS US-Basic and US-Advanced Life Support courses.



Alvin Wells, MD, Ph.D., FACR, a member of the American Institute of Ultrasound in Medicine, is a practicing rheumatologist at the Rheumatology and Immunotherapy Center in Oak Creek, Wisconsin, where he serves as the Director. He also maintains his

clinical affiliation with Duke University Medical Center in Durham, NC where he is an Adjunct Assistant Professor. Prior to returning to private practice, Dr. Wells was an Associate Medical Director at Abbott Laboratories where he played a central role in the launch of HUMIRA. He was a recipient of the prestigious Fogarty Biomedical Research Award from the National Institutes of Health, which allowed him to undertake a two-year postdoctoral fellowship at Uppsala University, Sweden, with Dr. Lars Klareskog.



David Zar, MSEE has 18 years experience in various aspects of ultrasound hardware and software design and development. He is a research associate at Washington University in St. Louis where he worked on ultrasound, high-speed telecommunications, asynchronous circuits, and meta-stability analysis of

synchronisers. He is a co-founder of three start-ups: Z&R Technologies, BLENDICS and Mobisante. He has written device drivers, user applications, as well as designed hardware used in ultrasound imaging. He has a track record of pursuing cutting edge research and translating research into successful products.

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Be sure to stop by the Exhibit Hall each day!

Continental breakfast, refreshment breaks, and lunch is served in the Exhibit Hall. Please present your lunch ticket on Thursday and Friday.

Exhibit Hall Schedule

Friday, April 29
7:30 AM - 5:30 PM

Saturday, April 30
8:00 AM - 3:30 PM



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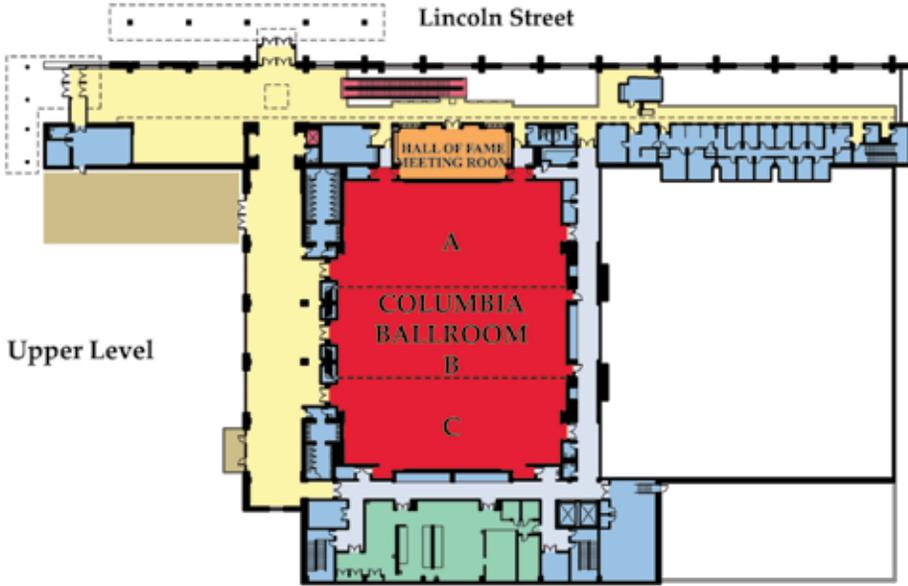
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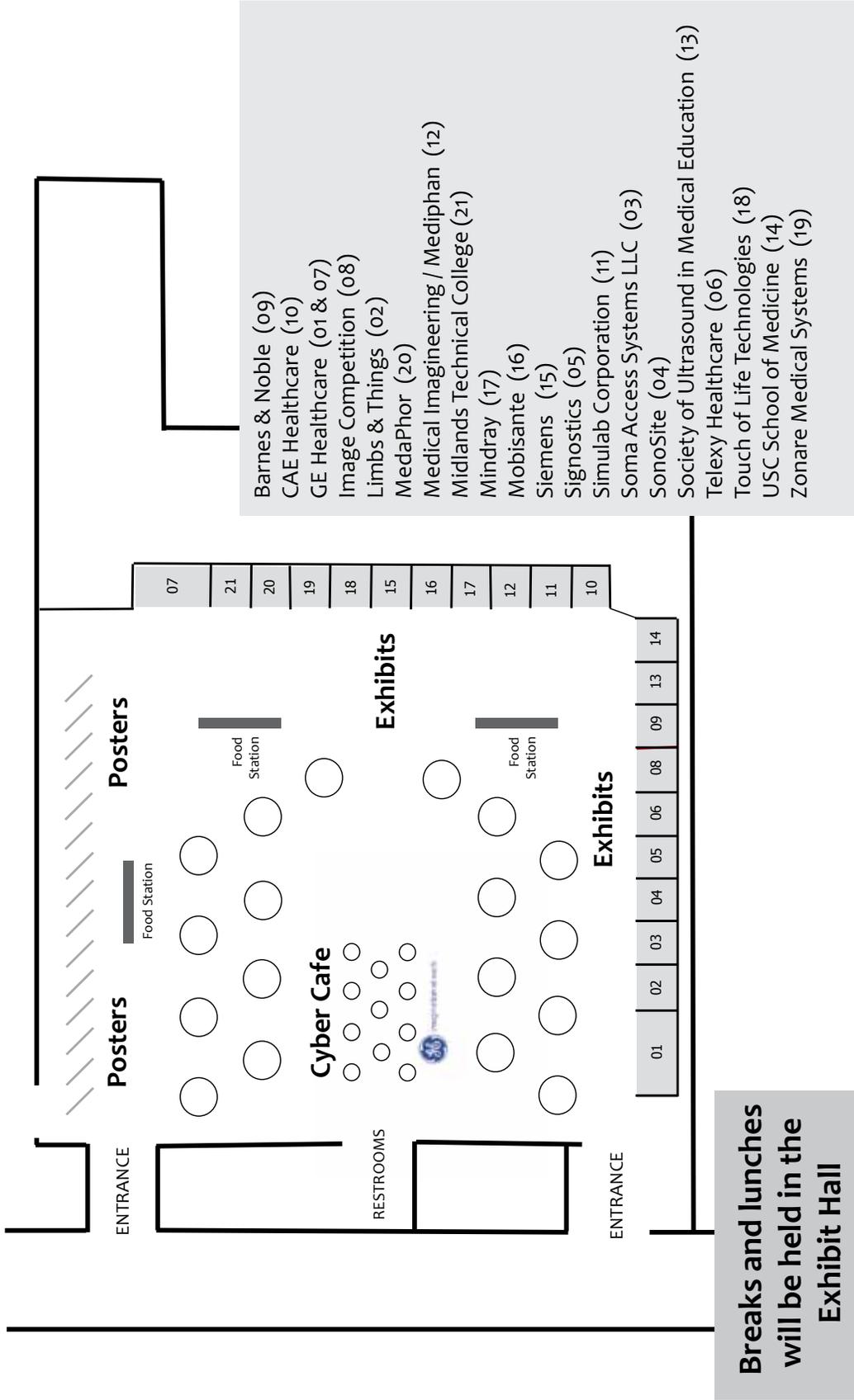
LEGEND

	EXHIBIT HALL		SERVICE		SERVICE CIRCULATION
	BALLROOM		OUTDOOR SPACE		PUBLIC CIRCULATION
	MEETING ROOMS		FOOD SERVICE		



EXHIBIT HALL BOOTHS AND LAYOUT

Lower Level





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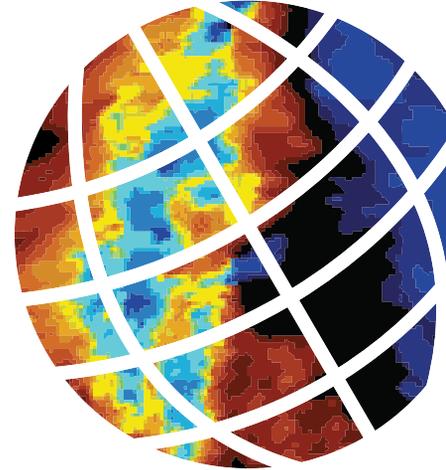
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Schedule At-A-Glance



Thursday, April 28

- 12:00 - 5:00 PM Registration and Check-In
- 1:00 - 6:00 PM Exhibitor Set-up and Move-in

Friday, April 29

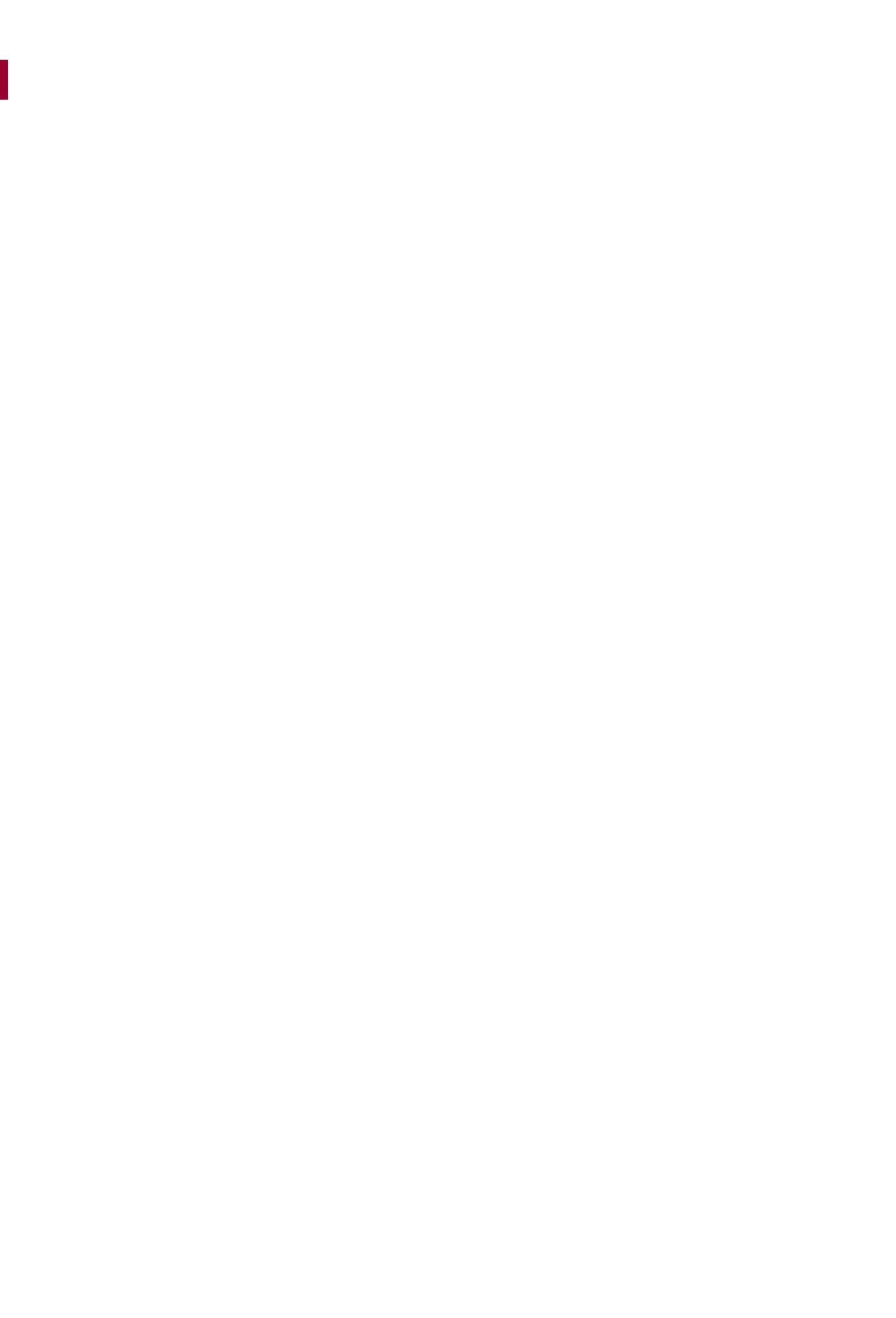
- 7:30 AM - 5:30 PM Registration Open
- 7:30 - 9:30 AM Continental Breakfast in the Exhibit Hall
- 7:30 AM - 5:30 PM Exhibit Hall Open
- 8:15 - 8:45 AM Welcome
- 8:45 - 10:15 AM Plenary Session 1
- 10:15 - 10:45 AM Refreshment Break in the Exhibit Hall
- 10:45 - 11:45 AM Plenary Session 2
- 11:45 AM - 1:00 PM Lunch and Poster Session 1 in the Exhibit Hall
- 1:00 - 2:00 PM Plenary Session 3
- 2:15 - 3:45 PM *Concurrent Sessions:* Pre-hospital Ultrasound; Military and Disaster Ultrasound; Ultrasound: Remote Locations; Undergraduate Ultrasound Programs; Abstracts/Medical Student Assessment; Abstracts/Technology and Innovations
Workshops 1-5: Introduction to Ultrasound; Vascular-Aorta, Inferior Vena Cava; Trauma and the FAST Exam; Basic OB-GYN Ultrasound
- 3:45 - 4:00 PM Refreshment Break in the Exhibit Hall
- 4:00 - 5:30 PM *Concurrent Sessions:* Ultrasound Teaching and Learning; Guided Procedures; Global Ultrasound Practice and Education
Workshops 6-10: Vascular Access; Organs of the Abdomen, Lung Ultrasound, Musculoskeletal Ultrasound, Ultrasound to Teach Physiology
- 7:00 - 9:00 PM "A Taste of the South" Welcome Reception, South Carolina State Museum

Saturday, April 30

- 7:30 - 9:30 AM Continental Breakfast in the Exhibit Hall
- 7:30 AM - 9:30 AM Registration Open
- 8:00 AM - 5:00 PM Exhibit Hall Open
- 8:15 - 8:30 AM Meeting Update - Playing for Change
- 8:30 - 10:00 AM Plenary Session 4
- 10:00 - 10:30 AM Refreshment Break in the Exhibit Hall
- 10:30 AM - 12:00 PM Plenary Session 5
- 12:00 PM - 1:30 PM Lunch and Poster Session 2 in the Exhibit Hall
- 1:30 - 3:00 PM *Concurrent Sessions:* Ultrasound Training Programs; New Technology; Abstracts/Clinical Applications; Medical School Curriculum
Workshops 11-15: Introduction to Ultrasound; Basic OB-GYN Ultrasound; Pediatric Ultrasound; Transcranial Doppler and Carotid Ultrasound; Ultrasound to Teach Anatomy
- 3:00 - 3:30 PM Refreshment Break in the Exhibit Hall
- 3:30 - 5:00 PM *Concurrent Sessions:* Global Health; Ultrasound Education: Organizational Efforts (Panel); Resident Assessment; Abstracts/What Role Can Students Play?
Workshops 16-20: Ultrasound Guided Procedures; Introduction to ECHO; Hand-Held Devices; Deep Venous Thrombosis; Multi-System Approach to Shock

Sunday, May 1

- 7:30 - 9:30 AM Continental Breakfast in the Exhibit Hall
- 7:30 - 8:05 AM Meeting Update and Special Welcome
- 8:00 - 9:45 AM Plenary Session 6
- 9:45 - 11:15 AM *Concurrent Sessions:* ECHO; Abstracts/Medical Student Assessment; Clinical Applications of OB-GYN
Workshops 21-29: Introduction to Ultrasound; Lung Ultrasound; Hand-Held Devices; Multi-System Approach to Dyspnea and Fever; Vascular: Aorta/IVC
- 11:30 AM - 1:00 PM *Workshops 26-29:* Nerve Blocks; Organs of the Abdomen; Vascular Access; Trauma-the FAST Exam



WORLD CONGRESS

ULTRASOUND IN MEDICAL EDUCATION



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