The conference covers different medical imaging modalities used for diagnosis, monitoring, and treatment. The subject areas may include, but are not limited to the following domains:

- Medical Imaging and Analysis
- 3D Imaging
- Nuclear Medicine
- Pre-clinical Imaging
- Machine Vision in Medicine
- Musculoskeletal Imaging
- X-ray and Abdominal Imaging
- Computer-aided Diagnosis
- Magnetic Resonance and Ultrasound
- Medical Image Visualization
- Cardiac Imaging
- Women’s and Pediatric Imaging
- Computed Tomography
- Vascular and Interventional Radiology
Our Keynote Speakers

Martha E. Shenton, Ph.D.
Psychiatry Neuroimaging Laboratory
Harvard Medical School
Boston, MA

P. Ellen Grant, M.D.
Fetal and Neonatal Neuroimaging Research
Boston Children’s Hospital
Boston, MA

Jeffrey H. Siewerdsen, Ph.D.
Department of Biomedical Engineering
Johns Hopkins University
Baltimore, MD

Rajendra Badgaiyan, M.D.
Department of Psychiatry
Icahn School of Medicine at Mount Sinai
New York, NY

René Vidal, Ph.D.
Department of Biomedical Engineering
Johns Hopkins University
Baltimore, MD

Terry S. Yoo, Ph.D.
Office of High Performance Computing
and Communications, National Institutes of Health (NIH), Baltimore, MD

Day 1 — Monday
29 Oct, 2018
9:00 pm -1:00 pm

DoubleTree by Hilton Baltimore
- BWI Airport
890 Elkridge Landing Rd
Linthicum Heights
M.D. 21090, USA

Ph: +1-408-426-4832
E: medimagecasereports@uniscigroup.com
W: unitedscientificgroup.com/conferences/
medical-imaging/
Our Keynote Speakers

Susan C. Harvey, M.D.
Director of Breast Imaging, The Russell H. Morgan Department of Radiology and Radiological Science, JHM
Baltimore, MD

Jeff W.M. Bulte, Ph.D.
Director of Cellular Imaging, The Johns Hopkins Institute for Cell Engineering, Baltimore, MD

Polina Golland, Ph.D.
EECS Department, Massachusetts Institute of Technology
Cambridge, MA

S. Kevin Zhou, Ph.D.
Principal Key Expert of Image Analysis
Siemens Corporate Technology
Princeton, NJ

Jinah Park, Ph.D.
School of Computing
Korea Advanced Institute of Science and Technology, Republic of Korea

Day 1 — Monday 29 Oct, 2018
2:00 pm - 5:30 pm

DoubleTree by Hilton Baltimore - BWI Airport
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### Preliminary Program

**DAY 2 — TUESDAY**  
**OCTOBER 30, 2018**

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<td>Unified Heat Kernel Regression for Diffusion, Kernel Smoothing and Wavelets on Irregular Image Domains and Its Application to Lung Blood Vessel Trees</td>
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<td><strong>Ali Kamen, Ph.D.</strong> Siemens Healthineers, Technology Center Princeton, NJ</td>
<td>Shaping the Future through Innovations: From Medical Imaging to Precision Medicine</td>
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<td><strong>Raj Shekhar, Ph.D.</strong> Children's National Health System, Washington, DC</td>
<td>Medical Image Fusion and Augmented Reality</td>
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<td><strong>Hongen Liao, Ph.D.</strong> Department of Biomedical Engineering, Tsinghua University, China</td>
<td>Innovation of Medical Imaging, Processing and Visualization for Intelligent Minimally Invasive Diagnosis and Therapy</td>
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<td><strong>Nondumiso Dlamini, Ph.D.</strong> Nelson R. Mandela School of Medicine, University of KwaZulu-Natal, South Africa</td>
<td>MRI Diagnosis of Infantile Alexander Disease in a 14 Month Old African Boy: A Case Report</td>
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<td><strong>Boris Gramatikov, Ph.D.</strong> Wilmer Ophthalmological Institute, Johns Hopkins University School of Medicine, Baltimore, MD</td>
<td>Optimizing the Optoelectronics for Retinal Polarization-Sensitive Scanning when Used in Combination with Other Ophthalmic Diagnostic Technologies</td>
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<td><strong>John Buscombe, Ph.D.</strong> Cambridge University Hospitals, Cambridge, UK</td>
<td>PET Probes in Atheroma</td>
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<td><strong>Çisel Yazgan, M.D.</strong> Consultant Radiologist &amp; Assistant Professor, Hacettepe University Faculty of Medicine, Turkey</td>
<td>Precision Imaging- Better Image Quality for Focal Liver Lesions</td>
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<td><strong>Donald Soboleski, M.D.</strong> Associate Professor, Section Head - Pediatric Radiology, Queens University, Canada</td>
<td>Novel Method to Improve Radiologist Agreement in Interpretation of Serial Chest Radiographs in the ICU</td>
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<td><strong>Petr Bruza, Ph.D.</strong> Optics in Medicine laboratory, Thayer School of Engineering, Dartmouth College, NH, USA</td>
<td>Optical Imaging of Dose for Comprehensive Quality Assurance in Radiation Oncology</td>
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<td><strong>Roberto Rosas Romero, Ph.D.</strong> Professor, Department of Electrical and Computer Engineering, Universidad de las Américas, Mexico</td>
<td>Morphologic Image Processing for Detection of Micro-Aneurysms in Fundus Images as Pre-Diagnosis of Diabetic Retinopathy</td>
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**Lunch Break**
Preliminary Program

Gharingam Marie Laure, M.D.
Faculty of Medicine and Biomedical Sciences (FMBS), The University of Yaoundé I, Yaoundé, Cameroon

Ronnie A. Sebro, M.D., Ph.D.
Department of Radiology, University of Pennsylvania, Philadelphia, PA

Yixuan Yuan, Ph.D.
Department of Radiation Oncology, Stanford University, CA

Xin Li, Ph.D.
X-ray Inspection Lead Engineer, GE Global Research, Niskayuna, NY

Elisabetta C. del Re, Ph.D.
Assistant Professor of Psychiatry, Department of Psychiatry, Harvard Medical School, Boston, MA

Curtis Fedorchuk D.C
Certified - Chiropractic Biophysics, Better Health by Design, Cumming, GA

Haney Heneidy, M.D.
Assistant Professor of Radiology, Department of Diagnostic Radiology, Alexandria University, Egypt

Trinanjan Basu, M.D.
Consultant Radiation Oncologist, HCG Apex Cancer Centre, Mumbai, India

Lana Vasung, M.D., Ph.D.
Department of Pediatrics, Boston Children’s Hospital, Harvard Medical School, Boston, MA

Rammohan Vadapalli, M.D.
Consultant Radiologist, Vijaya Diagnostics, India

Mohamad Hussam K. Hamadah, M.D.
Section of Pediatric Cardiac ICU, King Abdulaziz Cardiac Center, Ministry of National Guard-Health Affairs, Kingdom of Saudi Arabia

Fatima Mubarak, MBBS, MCPS, FCPS
Department of Radiology, Aga Khan University Hospital, Pakistan

Inter-Observer Variability in the Detection and Interpretation of Chest X-Ray Anomalies in Adults in an Endemic Tuberculosis Area

Machine learning for Bone and Soft Tissue Sarcomas

Deep Learning for Polyp Recognition with Wireless Capsule Endoscopy Images

Toward Patient-specific Optimization of Post-reconstruction filtered OS-EM for Simultaneous-acquisition Dual-radionuclide Myocardial Perfusion SPECT

Morphometric Analyses of SHARP Clinical High Risk Subjects for Psychosis

Correction of Grade 2 Spondylolisthesis Following a Non-Surgical Structural Spinal Rehabilitation Protocol Using Lumbar Traction: A Case Study and Selective Review of Literature

Cystic Pancreatic Lesions; CT Characterization and Pathological Evaluation

Simple Diagrammatic Approach to Delineate Duodenum on a Radiotherapy Planning CT Scan

Clinical, Genetic, and Neuroimaging Characterization of Patients with Developmental and Iatrogenic Inter-Hemispheric Disconnection

Diffusion Tensor Imaging and Fibre Tracking Biomarkers of Intramedullary Tumours of Spinal Cord for Predictive Resectability Scoring-Observational Comparative Study of 48 Cases

Bedside Ultrasonography Screening for Congenital Renal Anomalies in Children with Congenital Heart Diseases Undergoing Cardiac Repair

Utility of Diffusion Weighted Imaging in Preoperative Diagnosis of Aggressive Looking Brain Lesions

Coffee Break

Rammohan Vadapalli, M.D.
Consultant Radiologist, Vijaya Diagnostics, India
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<td>Consultant Radiologist, Vijaya Diagnostics, India</td>
<td>Arterial Spin Labelling: Basics and Current Emerging Clinical Applications What Every Resident Must Know</td>
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<td>Mohamad Hussam K. Hamadah, M.D.</td>
<td>Section of Pediatric Cardiac ICU, King Abdulaziz Cardiac Center, Ministry of National Guard–Health Affairs, Kingdom of Saudi Arabia</td>
<td>Ultrasound for Diaphragmatic Dysfunction in Post-Operative Cardiac Children</td>
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<td>Jun Hua, Ph.D.</td>
<td>Kennedy Krieger Institute, Johns Hopkins University School of Medicine, Baltimore, MD</td>
<td>The Role of Arteriolar Blood Vessels for Preclinical Stages of Neurodegenerative &amp; Chronic Psychiatric Diseases</td>
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<td>Kourosh Abdollahifard, M.D.</td>
<td>Board Certified Radiologist, Board Member of the Iranian Society of Radiology, Iran</td>
<td>Threats to the Margin of Profit of Investment on Medical Imaging in The 3rd Millenium and Strategies for Avoiding and Offsetting Them</td>
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<td>Vipin Chaudhary, Ph.D.</td>
<td>State University of New York (SUNY) at Buffalo and National Science Foundation, NY, USA</td>
<td>Computer Aided Diagnosis of Lumbar Pathology</td>
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<td>Hala El-Hadary, Ph.D.</td>
<td>Consultant of Rheumatology &amp; Immunology, Kasr El- Ainy, School of Medicine, Cairo University, Egypt</td>
<td>IgG4-Related Disease Misdiagnosed as Cholangiocarcinoma</td>
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<td>Ewelina Bratek, Ph.D.</td>
<td>Mossakowski Medical Research Centre, Polish Academy of Sciences, Department of Neurochemistry, Poland</td>
<td>Neuroprotective Effects of Metabotropic Glutamate Receptors Group II (mGluR2/3) Agonists in an Animal Model of Birth Asphyxia</td>
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<td>Fabao Gao, Ph.D.</td>
<td>Molecular Imaging Center, Department of Radiology, West China Hospital of Sichuan University, China</td>
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<td>MV Francis, MBBS, M.S.</td>
<td>Headache and Neuro Ophthalmology Services, Teresa Eye and Migraine Centre, Cherthala, India</td>
<td>Neuroimaging in Headache Disorders- Common Pitfalls and Strategies to Overcome</td>
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<td>V. Shebryakov, Ph.D.</td>
<td>Pirogov National Medical &amp; Surgical Center, Moscow, Russia</td>
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<td>Hongyan Zhang, Ph.D</td>
<td>The Technical Institute of Physics and Chemistry of the Chinese Academy of Sciences, China</td>
<td>Application of the Laser Scanning Confocal Imaging-Surface Plasmon Resonance System for the Detection of Important Biological Sample</td>
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<td>Pamela Bertolazzi, Ph.D</td>
<td>Neuroimaging Laboratory, University of Sao Paulo, Brazil</td>
<td>Association of Childhood Obesity with the Central Nervous System: Study of Diffusion Tensor Imaging (DTI)</td>
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Preliminary Program

**Seyoun Park, Ph.D.**
Radiology and Radiological Science, Johns Hopkins University, MD
Radiomics-based Classification of the Phenotype of Pancreas Neoplasms

**Julide Sisman, M.D., MSCS**
UT Southwestern Medical Center, Department of Pediatrics, Division of Neonatal-Perinatal Medicine, TX
Lenticulostriate Vasculopathy in Preterm Infants: A New Classification, Clinical Associations and Neurodevelopmental Outcome

**Zareen Fatima, Ph.D.**
Head of Department of Radiological Sciences & Medical Imaging, Imperial College of Business Studies, Pakistan
Ultrasonographic Comparison of Renal Appearances in β-thalassemic Children versus Normal Children

**Ahmed Bilal Waqar, Ph.D.**
Dean Faculty of Health & Allied Sciences, Imperial College of Business Studies, Pakistan
Abdominal Subcutaneous Adipose Tissue (SAT) vs. Visceral Adipose Tissue (VAT) Analysis in BMI Normal Subjects and their Correlation with Age and Level of Physical Activity

**Sandhya Dhankhar, MBBS, DMRD**
Director & Consultant Radiologist, Faith Diagnostic Centre, Chandigarh, India
Granulomatous Mastitis a Mimicker on Elastography

**S. Sathasivusubramanian, BDS, MDS**
Department of Oral Medicine and Radiology, Sri Ramachandra Medical College and Research Institute, Chennai, India
Masseter Muscle Thickness in Unilateral Partial Edentulism; An Ultrasonographic Study

**Muhammad Bilal Fayyaz, MBBS, FCPS**
Senior Instructor Radiology, Shaukat Khanum Memorial Cancer Hospital & Research Centre, Peshawar, Pakistan
Pictorial review of Extra-osseous Ewing’s Tumour, A Single Center Experience in Pakistan

**Farah Naz Rehman, MBBS, FCPS**
Consultant Radiologist, Aga Khan University Hospital, Karachi, Sindh, Pakistan
Peritoneal Tuberculosis Versus Carcinomatosis on Contrast Enhanced CT Abdomen Taking Omental Biopsy as a Gold Standard

**Olga Dariy, M.D.**
A.N. Bakoulev Scientific Center for Cardiovascular Surgery, Russia
Myocardial T1- Mapping in Daily Cardiac Magnetic Resonance Study in Hypertrophic Cardiomyopathy

**Alycia Markowski, DPT, MPhyS(manip), FAAOMPT, OCS**
Department of Physical Therapy, Movement and Rehabilitation Sciences, Northeastern University Boston, MA, USA
The Benefit of Incorporating Ultrasound Imaging as Adjunct Teaching Tools to Enhance Physical Therapist Students’ Ability and Confidence to Perform Manual Therapy

**Maureen K. Watkins, PT, DPT, OCS, MBA, LMT**
Department of Physical Therapy, Movement and Rehabilitation Sciences, Northeastern University, Boston, MA, USA
The Benefit of Incorporating Ultrasound Imaging as Adjunct Teaching Tools to Enhance Physical Therapist Students’ Ability and Confidence to Perform Manual Therapy
Xiaofei Zhao, M.D.
Department of Nuclear Medicine, Children's Hospital of Fudan University, Shanghai, China

Variable MIBG Activity in the Same Renal Cyst

Syed Amin Shah
Department of Radiology, Aga Khan University Hospital Karachi, Pakistan

In Symptoms of Acute Stroke: Influence of Imaging Modality and Post Processing, Multi-section CT and MR Imaging

Musibau Adekunle Ibrahim, Ph.D.
Department of Information and Communication Technology, Osun State University, Osogbo, Nigeria

On Feature Selection Methods for Accurate Classification and Analysis of Emphysema CT Images

Felipe Roth Vargas, M.D.
BP Medical Center, São Paulo, Brazil

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Kenan Abdurrahman Kara, M.D.
Department of Cardiovascular Surgery, Hisar Intercontinental Hospital, Ümraniye, Istanbul, Turkey

Successfully Endovascular repair of Giant Unruptured Abdominal Aortic Aneurysm

Vladimir Terekhov, Ph.D.
Republican Clinical Medical Centre, Head of Nuclear Medicine Department, Minsk, Belarus

Myocardial Scintigraphy in the Diagnosis of Ischemia in Patients with Metabolic Syndrome

A. Priya, M.D.
Regional Cancer Centre, Thiruvananthapuram, India

Retrospective Study of Diagnostic Performance of 18F FDG PET-CT in Cases Referred as Carcinoma of Unknown Primary

Muhammad Israr Ahmad, M.B.B.S.
Department of Radiology, SKMCH&RC, Lahore, Pakistan

Intermediate to Highly Suspicious Microcalcification on Mammograms: A Radio-Pathologic Correlation on Stereotactic Breast Biopsies

A.V. Butova
North-Western State Medical University named after I.I. Mechnicov, St. Petersburg, Russia

MRI in Complex Masticatory Muscles Examination and Monitoring the Results of TMJ Disorders Treatment

Hugues Brat, M.D.
Institut de Radiologie de Sion, Groupe3r, Switzerland

Comparison of Clinical and Phantom Image Quality for Low Contrast Liver Lesion in A Prospective Multicenter CT Scanner Dose Optimization Program

* Please note that this program is TENTATIVE and timings are subject to change without prior notice.
Goal of the MICR: The conference aims to provide timely, evidence-based information that helps radiologists, sonographers, medical physicists, nurses, clinicians, biomedical engineers and allied experts advance quality and innovation in patient care.

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Networking: We are focused to introduce the latest achievements, technologies and breakthroughs in Medical Imaging. The conference provides you with endless opportunities to network with fellow attendees and get exposed to new ideas.

Important Dates

Early Bird Registrations: Before May 14, 2018

Mid Term Registrations: After May 14, 2018

Registration Closes: October 29, 2018

Abstract Submission Deadline: August 20, 2018

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