

BRIDGING THE TRANSFORMATION TO A NEW ERA IN MEDICINE

PITTSBURGH, PENNSYLVANIA
DAVID L. LAWRENCE CONVENTION CENTER
JUNE 1 - JUNE 3, 2017

EARLY BIRD ENDS MAY 3

Register Today And Save \$100!



ANALYTICS



ENTERPRISE
IMAGING



PRODUCTIVITY
& WORKFLOW



QUALITY

SOCIETY FOR IMAGING INFORMATICS IN MEDICINE



Bridging the Transformation to a New Era in Medicine

Pittsburgh is the city of bridges and it is fitting for the Society of Imaging Informatics in Medicine to host its annual meeting in the “Burgh” as it continues to lead the change in healthcare imaging IT to bridge radiology with other clinical departments and workflows.

The SIIM Annual Meeting focuses on the issues most relevant to today’s imaging informaticists, stimulating new thinking and inspiring action. This year’s focus on Machine Intelligence and Cybersecurity will provide attendees with access to content, strategies, real world solutions, tools, and innovative practices that are revolutionizing enterprise imaging informatics. Gain insights across four core domains in a format that blends education, science and innovation.



ANALYTICS

Explore how **Deep Learning** and clinical data science is impacting medical imaging, and how that translates to tomorrow’s clinical practice.



PRODUCTIVITY
& WORKFLOW

Identify new approaches in personalized medicine utilizing **Machine Intelligence** technology and automation to improve patient care.



ENTERPRISE
IMAGING

Discover the challenges and opportunities in **Cybersecurity**, and how innovative strategies and practices are impacting the enterprise.



QUALITY

Learn how the latest innovations in imaging informatics are helping to deliver **Value-based Care**.

Join SIIM in Pittsburgh this June and help set the path for the future. Meet with the brightest minds in imaging and IT, and experience the latest innovations and advanced technologies that promise to **bridge the transformation to a new era in medicine**.

Register Today!



WHO SHOULD ATTEND

- Imaging Informatics, Enterprise IT, and Clinical Applications Professionals
- Clinical Informaticists, Radiologists, and Imaging Physicians
- Medical Physicists, Researchers, Engineers, and Developers
- CMIO, CIO, CTO, and other Healthcare Administrators

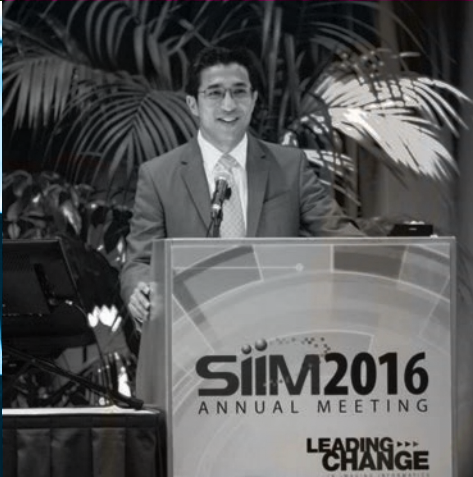
ACHIEVE YOUR HEALTH IT MISSION AT SIIM 2017

- **Game-Changing Keynotes** | Be captivated by inspiring visionaries in machine intelligence and cybersecurity.
- **Actionable Education and Collaborative Learning** | Engage in over 60 diverse educational sessions, including Town Halls, Learning Labs, and Whiteboard Sessions. SIIM education reflects the innovative, strategic, and tactical work that imaging informaticists do everyday at their institutions.
- **Networking Opportunities** | Connect with hundreds of imaging informaticists, leading executives, and industry innovators to exchange stories, discuss challenges, and most importantly, find solutions.
- **Ground Zero for Innovation** | Find out how the technology hub in Pittsburgh is leading in the development of innovative healthcare solutions.
- **Interactive Exhibit Hall** | Discover innovative technologies and services to find solutions to your clinical and technical challenges.
- **Continuing Education Opportunities** | Earn CME credit for Physicians (back by popular demand); and CE credits for Physicists, Radiological Technologists, CIIPs, and IT Professionals – to validate your competency.
- **Full-day Comprehensive Training** | Solidify your imaging informatics skills at the most effective and widely used IIP certification preparation pre-conference course.



The annual meeting is an ideal place to network and learn about innovations in imaging and all things related. It is a hotbed for ideas and collaboration right on the spot. New ideas are spawned and developed at the meetings and breakout sessions. Great experience! This is not a bystanders conference, you will get caught up in the tide of new ideas.

- Meredith Alaynick, CIIP, Performance Improvement Project Manager, Baycare Health Systems



Pittsburgh. Mighty. Beautiful. Iconic.

Attend the SIIM Annual Meeting and Find out why Harpers Magazine just named Pittsburgh the Number 4 Travel Destination in the World!

Located at the confluence of three beautiful rivers and banked on all sides by green hills, Pittsburgh has earned its reputation as one of America's "most livable" cities. Far removed from being a steel town, the city is now better known for technology, medicine, education, finance, and, of course, tourism.

But what visitors will first notice about Pittsburgh is its beauty, whether it is the stunning view of the city after emerging from the Ft Pitt Tunnels or from one of the outstanding restaurants overlooking the city on top of

Mt. Washington. Speaking of restaurants, Pittsburgh was named the *Number 1 Food City in the U.S 2016* by Zagat.

Pittsburgh has a thriving cultural and arts scene, outstanding museums such as the Andy Warhol Museum, world-class hotels, a safe and walkable downtown, championship sports teams, and plenty to do on or alongside its three rivers. And those are just some of the reasons why Pittsburgh has become a major destination for meetings and sports events.

Welcome to Pittsburgh!





SISTER BRIDGES



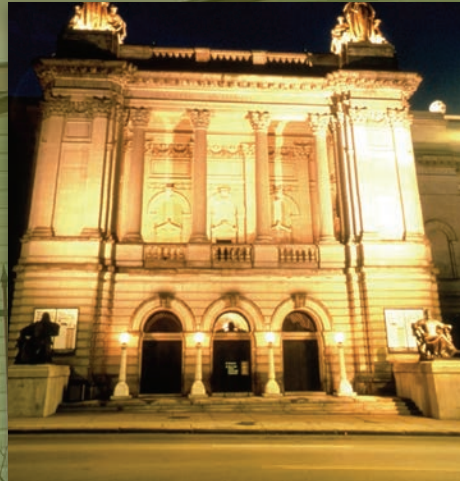
DAVID L. LAWRENCE
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MARKET SQUARE



HEINZ HALL CULTURAL DISTRICT



CARNEGIE MUSIC HALL



PHIPPS CONSERVATORY &
BOTANICAL GARDENS



DUQUESNE INCLINE



PRIMANTI BROTHERS



ANDY WARHOL MUSEUM



CLAIM YOUR CONTINUING EDUCATION CREDITS

Continuing Medical Education Credits – CME

Physicians: SIIM is pleased to announce the reinstatement of Continuing Medical Education Credits (CME) for the SIIM Annual Meeting.

Accreditation: This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of University of Utah and SIIM – Society for Imaging Informatics in Medicine. The University of Utah is accredited by the ACCME to provide continuing medical education for physicians.

AMA Credit: The University of Utah School of Medicine designates this live activity for a maximum of 22.00 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.*

*CME Nondiscrimination and Disability Accommodation Statement: The University of Utah does not exclude, deny benefits to or otherwise discriminate against any person on the basis of race, color, national origin, sex, disability, age, veteran's status, religion, gender identity/expression, genetic information, or sexual orientation in admission to or participation in its programs and activities. Reasonable accommodations will be provided to qualified individuals with disabilities upon request, with reasonable notice. Requests for accommodations or inquiries or complaints about University nondiscrimination and disability/access policies may be directed to the Director, OEO/AA, Title IX/Section 504/ADA Coordinator, 201 S President's Circle, RM 135, Salt Lake City, UT 84112, 801-581-8365 (Voice/TTY), 801-585-5746 (Fax).

Continuing Education Credits – CE

Technologists: An application will be submitted for Category A CE credit to the American Society of Radiologic Technologist (ASRT) for the SIIM Annual Meeting Program and the Imaging Informatics Professional Bootcamp.

Medical Physicists: An application will be submitted to the Commission on Accreditation of Medical Physics Education Programs (CAMPEP) to provide Medical Physics Continuing Education Credit (MPCEC) for the SIIM Annual Meeting Program and the Imaging Informatics Professional Bootcamp.

Imaging Informatics Professionals: SIIM Imaging Informatics Professional credits will be available to track continuing education for CIIP certification eligibility requirements for the American Board of Imaging Informatics (ABII) for both the SIIM Annual Meeting Program and Imaging Informatics Professional Bootcamp.

Enterprise IT Professionals: Certified Professional in Healthcare Information and Managements Systems (CPHIMS), may use their SIIM continuing education credits towards the 20 credits designated in the other provider category for recertification.

Vendors looking to claim CME or CE must register as a professional attendee.



Networking

Thursday, June 1 11:30 am – 12:30 pm • [HIMSS-SIIM Enterprise Imaging Workgroup Meetup](#)

Thursday, June 1 3:00 pm – 4:00 pm • [1st Time Attendees & New SIIM Members Meetup](#)

Thursday, June 1 3:00 pm – 4:00 pm | **Friday, June 2** 7:00 am – 8:00 am • [CIIP Study Groups](#)

Friday, June 2 3:00 pm – 4:00 pm • [Residents/Fellows/PhD Candidate Meetup](#)

Friday, June 2 5:30 pm – 7:30 pm • [SIIM 2017 Science & Innovation Reception](#)

Science & Innovation

Scientific Program

This year's scientific program will blend hypothesis-driven abstracts with lessons learned from case studies presented as papers, posters, and demonstrations. Step into the Science & Innovation Pavilion in the Exhibit Hall to review the Scientific Posters & Demonstrations that will be on display throughout the meeting, and then engage with authors during Friday evening's reception.

SIIM sponsors numerous awards throughout our Scientific Program to include, the New Investigator Travel Awards, Bauman Award for best student paper, and Scientific Posters and Demonstrations awards.

2017 Innovation Challenge • #InnovationSIIM2017

The SIIM Innovation Challenge will continue to support efforts to improve enterprise imaging informatics technology and solve an important problem with imaging and information interpretation workflow or management. See the competing Challenge Projects on display in the Science & Innovation Pavilion, as budding informaticists drive to bring their innovative ideas to fruition and compete for the grand prize.

2017 SIIM Hackathon • #SIIMHACKS

Join like-minded informaticists and developers to learn about and build interfaces that are changing the way health information systems work, communicate, and interact with each other. Stay abreast of the Hackathon activities on the 2017 SIIM Hackathon webpage.

Hackathon Meet & Greet Wednesday, May 31 | 4:00 pm – 6:00 pm

Learn about the SIIM Hackathon, the SIIM API Platform and Data set, exchange ideas and form teams with fellow hackathon attendees, strategize your plan and let the hacking begin!

Hackathon Project Showcase Saturday, June 3 | 8:00 am – 9:30 am

Attend the Hackathon Project Showcase to view the project presentations and hear moderators Q&A with the participants on how the projects will help solve imaging informatics challenges.



EXHIBIT HALL



Find the solutions that are right for your institution in the SIIM 2017 Exhibit Hall. Discover the latest technologies available in today's marketplace, and meet with vendors who continuously bring exciting new concepts and solutions to the imaging informatics community. Located in Hall B of the David L. Lawrence Convention Center, preview new innovative products and services, schedule technical demonstrations, ask questions, and get answers to your enterprise imaging challenges.

Exhibit Hall Hours

Thursday, June 1 10:00 am – 4:00 pm

Dedicated Times: 11:00 am – 1:00 pm and 3:00 pm – 4:00 pm

Friday, June 2 10:00 am – 4:00 pm

Dedicated Times: 11:00 am – 1:00 pm and 3:00 pm – 4:00 pm

Saturday, June 3 10:00 am – 1:00 pm

Dedicated Times: 11:00 am – 1:00 pm



SIIM is a unique meeting that is collaborative between customers and vendors. The networking among peers from other institutions as well as the vendor community is unequalled. All the sessions are relevant and overall anyone you end up choosing will provide value.

- Tom Kern, CIIP, Teleradiology Systems Supervisor, St. Joseph's Hospital and Medical Center - Dignity Health



Friday, June 2 6:30 am

SIIM Fun Run/Walk

Energize your body before energizing your mind. Join your colleagues for the SIIM Fun Run/Walk along the Allegheny River. Be sure to contribute \$25 to the SIIM R&E to promote enterprise imaging innovations.

Sponsored by Agfa HealthCare



SCHEDULE-AT-A-GLANCE

Wednesday, May 31

Pre-conference Day

8:00 am – 6:00 pm	SIIM Imaging Informatics Professionals (IIP) Bootcamp
12:00 pm – 4:00 pm	SIIM Epic User Group Meeting
4:00 pm – 6:00 pm	Hackathon Meet & Greet
4:30 pm – 6:30 pm	SIIM Philips Users Group Meeting

Thursday, June 1

8:00 am – 9:30 am	Opening General Session: The 2017 Dwyer Lecture
9:45 am – 10:45 am	Educational and Scientific Sessions
9:45 am – 11:45 am	Learning Lab
10:00 am – 4:00 pm	Exhibit Hall Open
11:00 am – 1:00 pm	Explore & Network in the Exhibit Hall – Dedicated Time
1:15 pm – 2:45 pm	Educational and Scientific Sessions
1:15 pm – 3:15 pm	Learning Lab
3:00 pm – 4:00 pm	Explore & Network in the Exhibit Hall – Dedicated Time
4:15 pm – 5:15 pm	Educational and Scientific Sessions

Friday, June 2

7:00 am – 8:00 am	Educational Sessions
7:30 am – 9:30 am	Learning Lab
8:00 am – 9:30 am	Educational and Scientific Sessions
9:45 am – 10:45 am	Educational and Scientific Sessions
10:00 am – 4:00 pm	Exhibit Hall Open
11:00 am – 1:00 pm	Explore & Network in the Exhibit Hall – Dedicated Time
12:00 pm – 1:00 pm	SIIM Membership Business Meeting & Fellows Induction Luncheon
1:15 pm – 2:45 pm	Educational and Scientific Sessions
1:15 pm – 3:15 pm	Learning Lab
3:00 pm – 4:00 pm	Explore & Network in the Exhibit Hall – Dedicated Time
4:15 pm – 5:15 pm	Educational and Scientific Sessions
5:30 pm – 7:30 pm	SIIM 2017 Science & Innovation Reception

Saturday, June 3

7:30 am – 9:30 am	Learning Lab
8:00 am – 9:30 am	Educational and Scientific Sessions
9:45 am – 10:45 am	Educational and Scientific Sessions
10:00 am – 1:00 pm	Exhibit Hall Open
11:00 am – 1:00 pm	Explore & Network in the Exhibit Hall – Dedicated Time
12:45 pm – 2:45 pm	Learning Lab
1:15 pm – 2:45 pm	Educational and Scientific Sessions
3:00 pm – 4:30 pm	Closing General Session

***Program is subject to change.**



SIIM ANNUAL MEETING PROGRAM COMMITTEE



Richard H. Wiggins III, MD, FSIIM, CIIP
University of Utah Health Sciences Center



Scientific Co-Chair: Safwan S. Halabi, MD
Stanford Children's Health,
Lucile Packard Children's Hospital



Scientific Co-Chair: Luciano M.S. Prevedello, MD, MPH
The Ohio State University Wexner Medical Center



David E. Avrin, MD, PhD, FSIIM
University of California, San Francisco



Bruce E. Bray, MD
University of Utah School of Medicine



Ram Chadalavada, MD
University of Cincinnati Medical Center



Po Hao Chen, MD, MBA
Hospital of the University of Pennsylvania



Tessa S. Cook, MD, PhD
Hospital of the University of Pennsylvania



Donald K. Dennison
Don K. Dennison Solutions, Inc.



Matthew C. Hayes, CIIP, MBA
Northwestern Memorial Hospital



Woojin Kim, MD
Nuance Communications



Marc D. Kohli, MD
University of California, San Francisco



Louis M. Lannum
Cleveland Clinic



Christopher D. Meenan, CIIP
University of Maryland Medical Systems



Paul G. Nagy, PhD, FSIIM, CIIP
Johns Hopkins University



David W. Piraino, MD, FSIIM, CIIP
Cleveland Clinic



James T. Whitfill, MD, CIIP
Innovation Care Partners

Wednesday, May 31 Pre-conference Education

8:00 am – 6:00 pm

SIIM Imaging Informatics Professional Bootcamp

Medical imaging informatics continues to evolve into a discipline that spans across the healthcare enterprise. To address this evolution, effective March 2017, ABII will begin using a revised CIIP Test Content Outline.



The 2017 SIIM Imaging Informatics Professional Bootcamp will include these revisions, increase interaction, and provide a wealth of knowledge and information. Not only is a great certification preparation course, but also a refresher tool for enhancing your imaging informatics foundation. This full-day course will inspire informaticists to be the driving force for change in their organization. Come experience the new IIP Bootcamp!

Attend one of these user group meetings and join your peer support network. Take advantage of an excellent opportunity to connect with users at leading sites to improve quality patient care.

12:00 pm – 4:00 pm

SIIM Epic User Group Meeting

4:30 pm – 6:30 pm

SIIM Philips User Group Meeting

SIIM CORE KNOWLEDGE DOMAINS:



Analytics



Enterprise
Imaging



Productivity
& Workflow



Quality



SIIM provides a great opportunity in the Enterprise imaging space to meet with your peers, learn what others are doing, understand the progress of the imaging standards organizations, and share ideas.

- Kenneth R. Persons, MSEE, Imaging Architect, Mayo Clinic

Thursday, June 1

8:00 am – 9:30 am

OPENING GENERAL SESSION

Harnessing Artificial Intelligence: Medical Imaging's Next Frontier



Keith J. Dreyer, DO, PhD, FSIIM

Vice Chairman of Radiology, Massachusetts General Hospital
Associate Professor of Radiology, Harvard Medical School

As computers outperform humans at complex cognitive tasks, disruptive innovation will increasingly remap the familiar with waves of creative destruction. And in healthcare, nowhere is this more apparent or imminent than at the crossroads of imaging and the emerging field of clinical data science.

As leaders in our field, we must shepherd the innovations of cognitive computing by defining its role within diagnostic imaging, while first and foremost ensuring the continued safety of our patients. To maintain our leadership position, as we enter the era of machine learning, it is essential that we serve our patients by directly managing the use of clinical data science towards the improvement of care—a position which will only strengthen our relevance in the care process as well as in future federal, commercial and accountable care discussions. Attendees will explore the state of clinical data science in medical imaging and its potential to improve the quality and relevance of radiology as well as the lives of our patients.

Dr. Dreyer has held numerous board, chair, advisory, and committee positions with numerous professional societies, including the Society of Imaging Informatics in Medicine and global healthcare corporations. He has authored hundreds of scientific papers, presentations, chapters, articles, and books in the field of imaging informatics. Furthermore, he is an internationally renowned informatics expert and has lectured worldwide on clinical data science, cognitive computing, clinical decision support, clinical language understanding, digital imaging standards and implications of technology on the quality of healthcare and payment reform initiatives.

In 2016, as vice chairman of Radiology Computer and Information Sciences at Massachusetts General Hospital, Dr. Dreyer was instrumental in opening the MGH Clinical Data Science Center, which is paving the way for a new approach to diagnosing and treating disease using cognitive computational algorithms such as machine learning and artificial neural networks.

9:30 am – 9:45 am

SESSION BREAK

9:45 am – 10:45 am

Town Hall



Imaging Use Cases: Challenges and Opportunities

Faculty: **Carol Joseph, RN**, Ascension Information Services; **Louis M. Lannum**, Cleveland Clinic, *Session Chair*; **Christopher J. Roth, MD, CIIP**, Duke University Medical Center; **Kathryn M. Tunstall, MPH**, The Ohio State University

Core Topic



Order Entry CDS: From Implementation to Positive Outcomes

Faculty: **Adam E. Flanders, MD, FSIIM**, Thomas Jefferson University Hospital; **Keith D. Hentel, MD**, New York-Presbyterian Hospital; **Curt P. Langlotz, MD, PhD, FSIIM**, Stanford University; **Kevin W. McEnery, MD**, The University of Texas MD Anderson Cancer Center; **Luciano M.S. Prevedello, MD, MPH**, The Ohio State University Wexner Medical Center, *Session Chair*

Scientific



Productivity & Workflow

Scan the QR code to review scientific abstracts presented during this session.



Roundtable



Introduction to SIIM: Acronym Soup

Faculty: **Paul G. Nagy, PhD, FSIIM, CIIP**, Johns Hopkins Medicine Technology Innovation Center, *Co-Moderator*; **Richard H. Wiggins III, MD, FSIIM, CIIP**, University of Utah Health Sciences Center, *Co-Moderator*

Roundtable



Orders vs. Encounters-based Enterprise Imaging

Faculty: **Dawn Cram, RT(R)(M), CIIP**, University of Miami, *Co-Moderator*; **Alexander J. Towbin, MD**, Cincinnati Children's Hospital Medical Center, *Co-Moderator*

9:45 am – 11:45 am

Learning Lab



Introduction to Hacking with FHIR and DICOMweb API

Faculty: **Marc D. Kohli, MD**, University of California, San Francisco, *Session Chair*; **Mohannad Hussain**, Agfa HealthCare; **James J. Morrison, MD**, Oregon Health and Science University

10:45 am – 11:00 am

SESSION BREAK

11:00 am – 1:00 pm

Exhibit Hall Dedicated Time – Network with Vendors & Discover the Latest Innovations

The Exhibit Hall will be open from 10:00 am – 4:00 pm. Use the 11:00 am – 1:00 pm dedicated time block to meet with vendors, participate in product demonstrations, and hear exhibitor presentations.

1:00 pm – 1:15 pm

SESSION BREAK

1:15 pm – 2:45 pm

Core Topic



Rad-Path Diagnostics: Rethinking Imaging Informatics

Faculty: **Michael J. Becich, MD, PhD**, University of Pittsburgh Medical Center; **Christopher Deible, MD, PhD**, University of Pittsburgh Medical Center; **Douglas J. Hartman, MD**, University of Pittsburgh Medical Center; **Brian J. Kolowitz, DSc, MSc, MBA**, University of Pittsburgh Medical Center Enterprises; **Liron Pantanowitz, MD**, University of Pittsburgh Medical Center; **Rasu Shrestha, MD, MBA**, University of Pittsburgh Medical Center Enterprises, *Session Chair*

Core Topic



Answering Unsolved CDS Questions

Faculty: **Adam E. Flanders, MD, FSIIM**, Thomas Jefferson University Hospital; **Keith D. Hentel, MD**, New York-Presbyterian Hospital; **Curtis P. Langlotz, MD, PhD, FSIIM**, Stanford University; **Kevin W. McEnery, MD**, The University of Texas MD Anderson Cancer Center; **Luciano M.S. Prevedello, MD, MPH**, The Ohio State University Wexner Medical Center, *Session Chair*

Whiteboard



Enabling Research in Imaging Informatics

Faculty: **Steven G. Langer, PhD, CIIP**, Mayo Clinic, Rochester, *Session Co-Chair*; **Paul G. Nagy, PhD, FSIIM, CIIP**, Johns Hopkins Medicine Technology Innovation Center, *Session Co-Chair*

Scientific



Machine Learning

Scan the QR code to review scientific abstracts presented during this session.



1:15 pm – 3:15 pm

Learning Lab



Advanced Visualization and 3D Printing

Faculty: **Justin A. Cramer, MD**, University of Nebraska Medical Center, College of Medicine, *Session Co-Chair*; **Edward P. Quigley III, MD, PhD**, University of Utah Medical Center, *Session Co-Chair*

2:45 pm – 3:00 pm

SESSION BREAK

3:00 pm – 4:00 pm

Exhibit Hall Dedicated Time – Network with Vendors & Discover the Latest Innovations

Visit the Scientific Posters & Demonstrations Display and this year's SIIM Innovation Challenge contestants, located in the Science & Innovation Pavilion in the Exhibit Hall.

CIIP Study Group

Find out how your colleagues are studying for the CIIP Certification exam. CIIP Study Groups offer informal peer-to-peer interaction, Q&A, and a variety of study tips and resources available to SIIM IIPs.

4:00 pm – 4:15 pm

SESSION BREAK

4:15 pm – 5:15 pm

Core Topic



Health IT Security: Keeping up With a Rapidly Changing Landscape

Faculty: **Ross W. Filice, MD**, MedStar Georgetown University Medical Center, *Session Chair*; **Ted Harrington**, Independent Security Evaluators; **James T. Whitfill, MD, CIIP**, Innovation Care Partners

Debate



Direct Patient Engagement: How Far Should the Radiologist Go?

Faculty: **Safwan S. Halabi, MD**, Stanford Children's Health, Lucile Packard Children's Hospital, *Session Chair*; **Danny Kim, MD, MSE, MMM**, NYU Langone Medical Center; **Michael P. Recht, MD**, NYU Langone Medical Center; **Anna von Reden, MDes**, UPMC Enterprises; **Margarita L. Zuley, MD**, Magee-Womens Hospital of UPMC

Roundtable



Electronically Stepping Out of the Dark: Radiology Opportunities in Social Media

Faculty: **Prasanth M. Prasanna, MD**, Diagnostic Imaging of Salem, *Moderator*

Roundtable



Enterprise Imaging: Governance and Foundations

Faculty: **Louis M. Lannum**, Cleveland Clinic, *Moderator*; **Christopher J. Roth, MD, CIIP**, Duke University School of Medicine

Scientific



Quality & Performance Improvement

Scan the QR code to review scientific abstracts presented during this session.



SIIM is more than just an annual conference, it is a cohesive community where one can attend to gain valuable skills and insights into solving current problems in imaging informatics and future trends in the industry.

- Keeley B. Frederick, MHA, Program Manager Enterprise Imaging, University of Mississippi Medical Center

Friday, June 2

7:00 am – 8:00 am

Core Topic



State of the Standards

Faculty: **Kevin O'Donnell, MASc**, DICOM Standards Committee, QIBA Steering Committee, IHE Board, *Session Chair*; **Elliot Silver, MSc**, HL7 Imaging Integration, McKesson

CIIP Study Group

Find out how your colleagues are studying for the CIIP Certification exam. CIIP Study Groups offer informal peer-to-peer interaction, Q&A, and a variety of study tips and resources available to SIIM IIPs.

7:30 am – 9:30 am

Learning Lab



Introduction to Predictive Analytics and Deep Learning in Medical Imaging

Faculty: **Luciano M.S. Prevedello, MD, MPH**, The Ohio State University Wexner Medical Center, *Session Chair*; **B. Selnur Erdal, PhD**, The Ohio State University Wexner Medical Center

8:00 am – 9:30 am

Core Topic



Delivering Value-Based Care Using Innovative Imaging Informatics

Faculty: **Tarik Alkasab, MD, PhD**, Massachusetts General Hospital; **Tessa S. Cook, MD, PhD**, Hospital of the University of Pennsylvania, *Session Chair*; **David Pastel, MD**, Dartmouth College

Whiteboard



How to Build a Total Cost of Ownership (TCO) Model

Faculty: **Robert M. Coleman**, Maine Medical Center; **Donald K. Dennison**, Don K. Dennison Solutions Inc., *Session Chair*; **James T. Whitfill, MD, CIIP**, Innovation Care Partners

Scientific



Imaging Informatics

Scan the QR code to review scientific abstracts presented during this session.



9:30 am – 9:45 am

SESSION BREAK

9:45 am – 10:45 am

Core Topic



Understanding and Applying XDS & DICOMweb

Faculty: **Kenneth R. Persons, MSEE**, Mayo Clinic, *Session Chair*; **Brad Genereaux**, HL7 Imaging Integration, Agfa Healthcare

Scientific



Analytics and Deep Learning

Scan the QR code to review scientific abstracts presented during this session.



Roundtable



Educators Toolkit for Imaging Informatics: From Basic Education to Advanced Learning

Faculty: **Tessa S. Cook, MD, PhD**, Hospital of the University of Pennsylvania; **Nabile Safdar, MD, MPH**, Emory University School of Medicine, *Session Chair*

Roundtable



Who Owns Imaging? Enterprise Imaging Leadership

Faculty: **Christopher J. Roth, MD, CIIP**, Duke University School of Medicine, *Moderator*

Whiteboard



Applying Patient-Centered Design to Healthcare IT

Faculty: **Christopher Deible, MD, PhD**, University of Pittsburgh Medical Center; **Bruce Gay, PMP**, UPMC Enterprises, *Session Chair*; **Anna von Reden, MDes**, UPMC Enterprises; **Susanna Zlotnikov, MDes**, UPMC Enterprises

10:45 am – 11:00 am

SESSION BREAK

11:00 am – 1:00 pm

Exhibit Hall Dedicated Time – Network with Vendors & Discover the Latest Innovations

The Exhibit Hall will be open from 10:00 am – 4:00 pm. Use the 11:00 am – 1:00 pm dedicated time block to meet with vendors, participate in product demonstrations, and hear exhibitor presentations.

1:00 pm – 1:15 pm

SESSION BREAK

1:15 pm – 2:45 pm

Core Topic



The Science of Leading Change in Healthcare IT

Faculty: **James T. Whitfill, MD, CIIP**, Innovation Care Partners, *Session Chair*

Core Topic



Carnegie Mellon Showcase: Technologies that Will Help Propel Key Aspects of Imaging Informatics

Faculty: **Greg Shannon, PhD**, Carnegie Mellon University, CERT Division; **Rasu Shrestha, MD, MBA**, University of Pittsburgh Medical Center Enterprises, *Session Chair*; **George D. Stetten, MD, PhD**, The Robotics Institute, Carnegie Mellon University; **Lee Weiss, PhD, MS**, The Robotics Institute, Carnegie Mellon University

Scientific



Reporting & Communications

Scan the QR code to review scientific abstracts presented during this session.



1:15 pm – 3:15 pm

Learning Lab



CIIP War Tools: WireShark, SQL Management Studio and DICOM Anatomy

Faculty: **Brian J. Bialecki, CIIP**, American College of Radiology, *Session Chair*; **Chris Greer**, Packet Pioneer; **James F. Philbin, PhD, CIIP**, Poplar Hill Informatics

2:45 pm – 3:00 pm

SESSION BREAK

3:00 pm – 4:00 pm

Exhibit Hall Dedicated Time – Network with Vendors & Discover the Latest Innovations

Visit the Scientific Posters & Demonstrations Display and this year's SIIM Innovation Challenge contestants, located in the Science & Innovation Pavilion in the Exhibit Hall.

4:00 pm – 4:15 pm

SESSION BREAK

4:15 pm – 5:15 pm

Core Topic



Radiation Dose Metrics: Current & Future Considerations

Faculty: **Tessa S. Cook, MD, PhD**, Hospital of the University of Pennsylvania; **J. Anthony Seibert, PhD, CIIP**, UC Davis Medical Center, *Session Chair*

Core Topic



Economics of Imaging Informatics

Faculty: **Robert M. Coleman**, Maine Medical Center; **Genady Knizhnik, MBA**, Don K. Dennison Solutions Inc., *Session Chair*; **James Forrester, MS**, University of Rochester Medical Center

Town Hall



Imaging Collaboration Tools: Radiologists as the Doctor's Doctor

Faculty: **Seth A. Berkowitz, MD, MPH**, Massachusetts General Hospital, Harvard Medical School, *Session Chair*; **Dana Ostrow**, NYU Langone Medical Center; **Michael P. Recht, MD**, NYU Langone Medical Center

Roundtable



Dealing with Clinical Registries

Faculty: **Marc D. Kohli, MD**, University of California, San Francisco, *Moderator*; **Peter Sachs, MD**, University of Colorado Hospital

Roundtable



Selecting an Enterprise Imaging Viewer

Faculty: **Christopher J. Roth, MD, CIIP**, Duke University School of Medicine, *Co-Moderator*; **Alexander J. Towbin, MD**, Cincinnati Children's Hospital Medical Center, *Co-Moderator*

5:30 am – 7:30 pm

Science & Innovation Reception

Network with your peers and hear the Final Pitches from the Innovation Challenge contestants. Who will win this year's grand prize! Also Meet the Authors of the Scientific Posters & Demonstrations and learn more about their research.



This was my first SIIM meeting. I came away excited and more knowledgeable regarding broad concepts, including enterprise imaging. It was great to meet others with similar interests, and to develop a professional network.

- Erik S. Storm, DO, Radiologist, Virginia Tech Carilion School of Medicine

Saturday, June 3

7:30 am – 9:30 am

Learning Lab



Data Visualization with R

Faculty: **Tessa S. Cook, MD, PhD**, Hospital of the University of Pennsylvania, *Session Chair*; **J. Eric Schmitt, MD, PhD**, Hospital of the University of Pennsylvania; **Joseph Wildenberg, MD, PhD**, Hospital of the University of Pennsylvania

8:00 am – 9:30 am

Core Topic



Machine Learning in Healthcare

Faculty: **J. Raymond Geis, MD**, University of Colorado, *Session Co-Chair*; **Mark Michalski, MD**, Massachusetts General Hospital, *Session Co-Chair*

Whiteboard



Image Retention: Help Us Develop an Image Retention Policy that Makes Sense

Faculty: **David Piraino, MD, FSIIM, CIIP**, Cleveland Clinic, *Session Chair*; **John Bowen, MSI**, Cleveland Clinic

Scientific



Imaging Informatics

Scan the QR code to review scientific abstracts presented during this session.



Core Topic



Hackathon Project Showcase

Attend the Hackathon Project Showcase to view the project presentations and hear moderators Q&A with the participants on how the projects will help solve imaging informatics challenges.

9:30 am – 9:45 am

SESSION BREAK

9:45 am – 10:45 am

Core Topic



Enterprise Imaging: Re-Visiting the Basics

Faculty: **Louis M. Lannum**, Cleveland Clinic, *Session Chair*; **Gary J. Wendt, MD, MBA**, University of Wisconsin – Madison; **Jonathan Shoemaker, RT(R), CIIP**, Sutter Health

SIIMposium



Two Paths Converge: Career Development Choices in Informatics

Faculty: **Paul G. Nagy, PhD, FSIIM, CIIP**, Johns Hopkins Medicine Technology Innovation Center, *Session Chair*; **Nabile Safdar, MD, MPH**, Emory University School of Medicine; **Dawn Cram, RT(R) (M), CIIP**, University of Miami; **Charlene Tomaselli, MBA**, Johns Hopkins Medicine

Town Hall



The Business of Imaging: Ruthlessly Quantifying Your Value Metrics

Faculty: **J. Raymond Geis, MD**, University of Colorado, *Session Co-Chair*; **Christopher J. Roth, MD, CIIP**, Duke University Medical Center, *Session Co-Chair*

Roundtable



Achieving Meaningful Patient Engagement

Faculty: **Andrew Lemmon, MD**, Emory University School of Medicine, *Moderator*

Roundtable



Enterprise Imaging Technical Challenges

Donald K. Dennison, Don K. Dennison Solutions Inc., *Moderator*, **Kenneth R. Persons, MSEE**, Mayo Clinic

10:45 am – 11:00 am

SESSION BREAK

11:00 am – 1:00 pm

Exhibit Hall Dedicated Time – Network with Vendors & Discover the Latest Innovations

The Exhibit Hall will be open from 10:00 am – 1:00 pm. Use the 11:00 am – 1:00 pm dedicated time block to meet with vendors, participate in product demonstrations, and hear exhibitor presentations.

12:45 pm – 2:45 pm

Learning Lab



Build Your Own Zero Footprint Web Viewer

Chris Hafey, NucleusHealth, *Session Chair*; **Erik Ziegler, PhD**, Open Health Imaging Foundation

1:00 pm – 1:15 pm

SESSION BREAK

1:15 pm – 2:45 pm

Core Topic



Improvement Stories for Informatics Professionals

Faculty: **David B. Larson, MD, MBA**, Stanford University Medical Center; **Danny Kim, MSE, MD, MMM**, NYU Langone Medical Center; **Marc D. Kohli, MD**, University of California, San Francisco, *Session Chair*; **Neville Irani, MD**, The University of Kansas Hospital



Paving the Road of Career Development in Imaging Informatics

Faculty: **Paul G. Nagy, PhD, FSIIM, CIIP**, Johns Hopkins Medicine Technology Innovation Center, *Session Co-Chair*; **Nabile Safdar, MD, MPH**, Emory University School of Medicine, *Session Co-Chair*; **Dawn Cram, RT(R)(M), CIIP**, University of Miami; **Charlene Tomaselli, MBA**, Johns Hopkins Medicine



Enterprise Imaging

Scan the QR code to review scientific abstracts presented during this session.



2:45 pm – 3:00 pm

SESSION BREAK

3:00 pm – 4:30 pm

CLOSING GENERAL SESSION

Weaving the Fabric of Trust: Security, Privacy, Resilience, and Accountability



Greg Shannon, PhD

Chief Scientist, Carnegie Mellon University, CERT Division
Former Assistant Director, Cybersecurity Strategy, White House Office of Science & Technology Policy

Today, many obsess about cyber adversaries - attacks, malicious activities, insiders, advance persistent threats, risks, and so on. It's a tall order to thwart the myriad threats, especially with every-present legacy technologies and always emerging new technologies. However, the key social and business issue is TRUST. Together, security, privacy, resilience, and accountability build trust.

During his keynote address, Dr. Shannon will examine the questions, science, and technology that builds trust with patients, providers, and society to ensure they're protected. He will discuss how such "insurance" can be sustained now and in the long-run. And finally, how do we all weave a stronger fabric of trust in healthcare IT?

As Chief Scientist for the CERT® Division at Carnegie Mellon University's Software Engineering Institute, Dr. Greg Shannon spearheads expanding cybersecurity research, advancing national and international research agendas, and promoting data-driven science for cybersecurity. He has served as the first Chair of IEEE's Cybersecurity Initiative and the General Chair for the IEEE Symposium on Security & Privacy. Additionally, he co-founded the Workshop on Learning from Authoritative Security Experiment Results.

Dr. Shannon recently finished a seventeen-month detail to the White House Office of Science & Technology Policy as the Assistant Director for Cybersecurity Strategy. In his role, he focused on accelerating innovation and policy to create effective cybersecurity technologies and practices. The OSTP is authorized by Congress to "lead interagency efforts to develop and implement sound science and technology policies and budgets, and to work with the private sector, state and local governments, the science and higher education communities, and other nations toward this end." Additionally, he has testified before Congress on cybersecurity, science for security, critical infrastructure, resilience, and cyber threats.

REGISTRATION

Save \$100 when you register by the Early Bird Deadline – **May 3, 2017**

3 EASY WAYS TO REGISTER



ONLINE

SIIM.org/registration
(credit card registration only)



FAX

703-723-0415
(credit card registration only)



MAIL

SIIM 2017 Registration
19440 Golf Vista Plaza, Suite 330
Leesburg, VA 20176

	Early Bird Rates Deadline: May 3, 2017		Rates after May 3 and Onsite	
Annual Meeting	Member	Nonmember	Member	Nonmember
Full Meeting Registration	\$590	\$775	\$690	\$875
*Medical Residents/Fellows/PhD Candidates	\$0	\$0	\$0	\$0
Daily – Thursday, Friday, Saturday	\$300	\$300	\$350	\$350
Learning Labs require an additional registration and fee per lab	\$25	\$25	\$25	\$25
Pre-conference Education				
SIIM IIP Bootcamp	\$250	\$250	\$300	\$300
Epic Users Group Meeting	\$100	\$100	\$100	\$100
Philips Users Group Meeting	\$100	\$100	\$100	\$100

**Letter from Program Director confirming status required.*

Please note, if registering by mail, please allow two weeks for processing from time of receipt.

Do you have questions about your membership status? Please contact **SIIM at 703-723-0432** or email info@siim.org for assistance.

Cancellations & Refunds Policy

If you are unable to attend the SIIM 2017 Annual Meeting for which you have registered, notify SIIM in writing. Cancellations must be received no later than May 10, 2017. All refunds are subject to an \$80 cancellation fee. Requests for refunds will not be honored after May 10, 2017.

Attire for SIIM 2017

SIIM suggests business casual for the annual meeting.



BOOK YOUR

SIIM 2017 HOTEL TODAY!

SIIM 2017 Annual Meeting Hotels

Hotel rates do not include taxes.

The Westin Convention Center Pittsburgh Hotel

1000 Penn Avenue
Pittsburgh, PA 15222
Single/Double: **\$194**

Omni William Penn Hotel

530 William Penn Place
Pittsburgh, PA 15219
Single/Double: **\$185**

Embassy Suites by Hilton Pittsburgh-Downtown

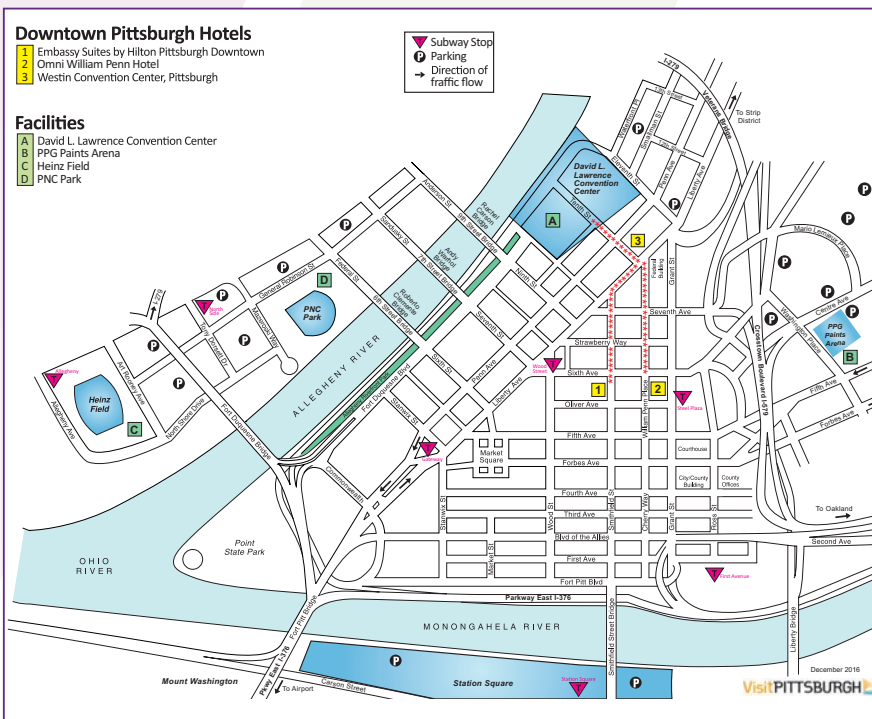
535 Smithfield Street
Pittsburgh, PA 15222
Single/Double: **\$189**

Downtown Pittsburgh Hotels

- 1 Embassy Suites by Hilton Pittsburgh Downtown
- 2 Omni William Penn Hotel
- 3 Westin Convention Center, Pittsburgh

Facilities

- A David L. Lawrence Convention Center
- B PPG Paints Arena
- C Heinz Field
- D PNC Park



Housing Deadline - May 8, 2017

All SIIM 2017 programs and exhibits will take place at the David L. Lawrence Convention Center, conveniently located at 1000 Fort Duquesne Boulevard, Pittsburgh, PA 15222.

The annual meeting will open on Thursday, June 1 at 8:00 am with the Opening General Session: The 2017 Dwyer Lecture and conclude on Saturday, June 3 at 4:30 pm with the Closing General Session.

The exhibit hall will be open Thursday - Saturday.

The Pre-Conference Education Sessions will take place at The Westin Convention Center Pittsburgh Hotel located at 1000 Penn Avenue in Pittsburgh.

HOUSING RESERVATION METHODS

Two easy ways to secure your housing for SIIM 2017.



ONLINE

Online booking is available 24 hours a day, 7 days a week at <https://aws.passkey.com/go/SIIM2017>



TELEPHONE

412-325-0316
Monday – Friday
9:30 am – 5:00 pm



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THURSDAY, JUNE 1 – SATURDAY, JUNE 3

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