



Society for Imaging Informatics in Medicine  
19440 Golf Vista Drive, Suite 330  
Leesburg, VA 20176

## The 2007 Annual Meeting of the Society for Imaging Informatics in Medicine

(formerly SCAR Annual Meeting)

June 7-10, 2007 • Providence, Rhode Island  
Rhode Island Convention Center

## Call for Abstracts

### Important Dates

*Due date for submission of abstracts:*  
**September 11, 2006**

*Notification of acceptance:*  
**October 30, 2006**

### Abstract submission by Internet

[www.scarnet.org](http://www.scarnet.org)  
[abstracts@scarnet.org](mailto:abstracts@scarnet.org)

**IMAGING  
INFORMATICS  
FOR THE  
ENTERPRISE**

THE 2007 ANNUAL MEETING OF THE  
SOCIETY FOR IMAGING INFORMATICS IN MEDICINE



IMAGING  
INFORMATICS  
**FOR THE**  
ENTERPRISE

JUNE 7-10, 2007  
RHODE ISLAND CONVENTION CENTER  
PROVIDENCE, RHODE ISLAND

**Siim**  
**2007**  
(formerly SCAR Annual Meeting)

**CALL FOR ABSTRACTS**

**T**he Society for Imaging Informatics in Medicine (SIIM) — formerly the Society for Computer Applications in Radiology (SCAR) — is devoted to the advancement of computer applications and information technology in medical imaging through education and research. In changing its name, the Society strives to reflect a new direction by expanding its scientific and educational focus on imaging informatics beyond the field of radiology.

In recent years, the scope of the Annual Meeting and the attendance at the meeting have expanded dramatically in parallel with the rapid expansion of imaging informatics. The SIIM/SCAR meeting is the leading educational forum with an emphasis on image and information interpretation and management in the 21<sup>st</sup> century. The Annual Meeting provides an open and collegial atmosphere for imaging informatics professionals to access expert, unbiased, cutting edge resources as well as practical information for solving problems in the clinical setting.

The meeting includes original scientific research presented as papers, demonstrations, and posters as well as didactic presentations, roundtables, panel discussions, and technical exhibits. The SIIM/SCAR Annual Meeting attracts physicians, scientists, IT professionals, engineers, administrators, and others from all clinical specialties and appeals to a wide range of attendees, from computer scientists involved in basic imaging informatics research to physicians who are just beginning to implement computer applications in their practice.

## ANNUAL MEETING PROGRAM COMMITTEE

**Bradley J. Erickson, MD, PhD**  
**Chair**

Mayo Clinic  
Rochester, Minnesota

**Katherine P. Andriole, PhD**

Brigham & Women's Hospital  
Harvard Medical School  
Boston, Massachusetts

**Richard H. Wiggins, III, MD**

University of Utah School of Medicine  
Salt Lake City, Utah

**David E. Avrin, MD, PhD**

University of Utah School of Medicine  
Salt Lake City, Utah

**John A. Carrino, MD, MPH**

The Johns Hopkins Hospital  
Baltimore, Maryland

**Paul J. Chang, MD**

University of Pittsburgh Health Systems  
Pittsburgh, Pennsylvania

**Steven C. Horii, MD**

University of Pennsylvania Health System  
Philadelphia, Pennsylvania

**Paul G. Nagy, PhD**

University of Maryland School of Medicine  
Baltimore, Maryland

**Regina O. Redfern, RT(R)**

University of Pennsylvania Health System  
Philadelphia, Pennsylvania

**Bradford J. Richmond, MD**

Cleveland Clinic Foundation  
Cleveland, Ohio

**Charles E. Willis, PhD**

UT MD Anderson Cancer Center  
Houston, Texas



Upon completion of the program, participants should be able to:

- Understand important concepts of imaging informatics that can improve medical practice across the enterprise
- Describe the latest results in imaging informatics research
- Explain how important clinical problems in imaging departments are being solved
- Interact with and facilitate feedback from the experts in the field of imaging informatics

Authors are encouraged to submit abstracts for scientific papers, posters, and demonstrations. Presentation of either practical experience or basic research is acceptable, but strong preference is given to presentations of actual work rather than descriptions of future plans or general reviews of subjects.

Accepted abstracts will be compiled into a publication that will be distributed at the meeting. All authors of accepted abstracts are strongly encouraged to submit a full paper prior to the meeting at <http://mc.manuscriptcentral.com/jdi>. All papers submitted will be considered for publication in the *Journal of Digital Imaging*. The *Journal of Digital Imaging* reserves the right of first refusal.

The Roger A. Bauman, MD, Award will be presented for the best student paper/presentation at the Annual Meeting. A student is defined as a medical student, resident, graduate student, post doc, fellow or anyone in a fulltime training program.

Awards and cash prizes will be presented for the best scientific exhibits (posters and demonstrations) at the Annual Meeting.

To be eligible for the Roger A. Bauman award or poster and demonstration prizes, a presenter must submit a full paper to the *Journal of Digital Imaging* prior to the meeting.

# Call for Abstracts

## Instructions:

Strong preference will be given to papers that prove or disprove hypotheses related to computer applications in medical imaging.

## Abstract Topics:

*You must indicate one abstract topic choice.*

- **Imaging Informatics for the Enterprise** – Implementation of digital imaging beyond radiology into other clinical specialties and information systems: Pathology, dentistry, cardiology, orthopedics, gastroenterology, etc.
- **Imaging Vocabularies and Ontologies** – Evaluating and integrating systems for vocabulary and ontology content development, software for content delivery, and standards for the representation of ontologies and vocabularies.
- **TRIP™ (Transforming the Radiological Interpretation Process)**—All aspects of the following subtopics addressing the topic of dealing with large data sets — Human Perception, CAD and Image Processing, Visualization, Navigation and User Interface Design, Databases and Integration, Evaluation of Methodologies and Validation of Performance.
- **Image Acquisition/QA**—New acquisition device properties and physics, and methods applied in performing quality assurance for electronic images.
- **Image Processing** — Computer-aided diagnostic and detection tools, image registration and fusion, image compression, and image visualization.
- **Archive Integrity & Security**— Methods for validating data in an archive, and for providing security (both reliable retrieval and confidentiality). HIPAA and other security-oriented topics are also included here.
- **Productivity and Workflow** — Scientific evaluations of the impact of electronic systems on productivity and re-engineering of workflow and processes needed to implement an electronic practice.
- **Image Distribution**— Techniques and impact of electronic imaging systems outside the department of radiology.
- **Reading Room**— Workflow within the reading room, including interpretation workstations, speech recognition, and reading room environment. Teaching files and education are also addressed here.
- **Infrastructure & Administration**—IT infrastructure (hardware, software, and people/ organizations) used to support electronic practice, including networks, databases, and computers not included in other topics.
- **Experiential**—Descriptions of experiences in planning and implementing RIS and PACS.
- **Miscellaneous**—Topics that are not addressed by the above list.

## NEW IN 2007:

The scientific committee plans to invite featured speakers in the following topic categories: Image Processing, 3D and CAD; Productivity & Workflow; and Reading Room. These sessions will have a more integrated format, having a featured speaker followed by 4 or 5 15-minute scientific talks on the same topic.

## VENDOR ABSTRACT SUBMISSIONS:

If the author list includes one or more vendors as authors, the following additional criteria apply for the abstract to be considered for presentation:

- 1) Submission must be a hypothesis-driven abstract (not experiential).
- 2) If a product or potential product is evaluated, the evaluation must be blinded and measurable.
- 3) Presentation can describe the product in the methods section, but company and product logos cannot be placed on presentation slides.
- 4) All authors must sign a conflict of interest form at time of abstract submission whether or not first author is a vendor author.

## FORMAT:

Minimum of 800 words, maximum of 1,200 words in length. The abstract is to be submitted in one of two formats: Hypothesis-driven or Descriptive.

1. Hypothesis-driven Abstract— includes hypothesis, introduction, methods, results, discussion, conclusion, and keywords.
2. Descriptive Abstract— includes background, evaluation, discussion, conclusion, and keywords.

## PREFERRED METHODS OF PRESENTATION:

- Paper Presentation (10–12 minutes suitable for most papers)
- Poster (4' x 8' front illuminated for detailed math and/or fine image comparisons)
- Demonstration (for interactive computer displays)

## LANGUAGE:

All abstracts must be submitted in English.

## DEADLINE:

September 11, 2006

## SUBMIT TO:

This is a paperless submission process. Online submission or downloading template/email submission required. A *signed Conflict of Interest Disclosure (COI) form is required at time of abstract submission*. See [www.scarnet.org](http://www.scarnet.org) for a COI form and details on submitting figures and illustrations. Figures and tables must be submitted according to the guidelines posted on the website. There is a limit of 5 graphics per submitted abstract. Images not submitted as separate high-resolution vector-based files, in black and white, or if otherwise not meeting the specifications will not be included in the abstract book.

Individuals whose abstracts are selected will be expected to register for the meeting prior to publication of the abstract book. Unfortunately, neither honoraria nor expenses can be paid to presenters of proffered papers or scientific posters/demonstrations.