

# Faculty Handbook



June 4-7, 2009  
Charlotte, North Carolina

*Gateway to Enterprise Imaging*



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## SIIM 2009 Overview

After 8 years of SIIM University, SIIM is taking the opportunity to again redefine and differentiate its Annual Meeting. Current meeting attendees will be served by an innovative program featuring cutting-edge educational content, techniques and methodology. The SIIM meeting will strive to be open and inviting to other specialties and groups, highlight the latest research to encourage physician and scientist participation, and focus on providing practical, take-home knowledge and solutions for all imaging informatics professionals.

To accomplish these goals, beginning in 2009 the SIIM Annual Meeting will be re-packaged to include: 1) rescheduling sessions based on daily attendance trends of prior meetings, 2) emphasizing interactive, hands-on learning opportunities, 3) revising the program structure by integrating program sessions into content Learning Tracks, 4) having 4 general sessions, and 5) organizing Saturday receptions and Sunday sessions as small, interactive forums to promote networking and learning.

Beginning this year, the SIIM Annual Meeting has been grouped into nine content learning tracks, each having its own common learning objectives. Listed below are the learning tracks and session types. Each learning track has an education and an applied learning session. A scientific session will also be part of each learning track, with the exception of Tracks 7 and 8. The SIIM 2009 scientific committee has assigned accepted papers as best they can within the scientific session of each of the learning track. For more information please, visit <http://www.siim2009.org>.

### Learning Tracks

Track 1: Basics of Imaging Informatics  
Track 2: Communicating Results  
Track 3: Image Acquisition & Management  
Track 4: Advanced Visualization  
Track 5: Enterprise Imaging  
Track 6: PACS Operations  
Track 7: Breast Imaging Informatics  
Track 8: Imaging Center PACS  
Track 9: Interoperability & Integration

### Session Types

General Sessions  
Educational Sessions  
Applied Learning Sessions  
Scientific Sessions

### SIIM 2009 Program Objectives

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

- ✓ Identify important concepts of imaging informatics, which 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.

\* As you prepare your presentation, please keep these overall objectives in mind.\*

## Faculty Preparation Checklist & Dates to Remember

Thank you once again for volunteering, as a faculty member, for the SIIM 2009 Annual Meeting. Below you will find a list of dates and responsibilities, which we have already foreseen. As usual, we will continue to keep you abreast of any changes to items and/or dates.

When using the Faculty Webpage ([http://www.siim2009.org/Faculty\\_info.html](http://www.siim2009.org/Faculty_info.html)) , you may be asked for an ID & Password.

Faculty Webpage

USER ID: **faculty**

PASSWORD: **faculty**

<u>Material</u>	<u>Due Date</u>
Faculty Forms <a href="#">Conflict of Interest &amp; Disclosure</a> (appendix) <a href="#">Media Release Form</a> (appendix) <a href="#">Biographical Data Form</a> (appendix) <a href="#">HIPAA Disclosure Form</a> (appendix)	Friday, February 27, 2009
Teleconference Polling Form Please email Nikki at <a href="mailto:nsmith@siimweb.org">nsmith@siimweb.org</a> if you need another copy. IIP Bootcamp faculty please disregard this due date.	Friday, February 13, 2009
Teleconference	TBD based upon polling
Presentation Outline	Monday, March 23, 2009 Monday, March 9, 2009 (IIP Bootcamp Faculty Only)
SIIM 2009 Registration – <a href="#">SIIM 2009 Faculty Registration Form</a> Also found on the web at <a href="http://www.siim2009.org/Faculty_info.html">http://www.siim2009.org/Faculty_info.html</a>	Friday, April 3, 2009
Presentation Slides Transfer	Friday, May 29, 2009

## Continuing Education Credits & Conflict of Interest

Through Co-sponsorships, SIIM will provide continuing education credits to each of the following groups:

**Physicians:** The Society of Interventional Radiology (SIR) is accredited by the ACCME to provide continuing medical education for physicians. The Society of Interventional Radiology designates this educational activity for a maximum of *31.00 AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity. CME credits will not be available for Learning Labs, Roundtables, and the Scientific Posters & Demonstrations sessions.

**Technologists:** An application will be submitted for Category A CE credit from the American Society of Radiologic Technologists (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 and the Imaging Informatics Professional Bootcamp.

### Conflict of Interest and Disclosure

**Conflict of Interest:** *Presenters at this conference will disclose any conflict of interest or their intention to discuss off-label use, if applicable, in accordance with ACCME Standards and FDA requirements. Conflict of interest will be disclosed at the meeting.*

Please complete the attached **Conflict of Interest & Disclosure Form**, found in the Appendix (p. 8), no later than **Friday, February 27, 2009**.

Note that disclosing a conflict of interest, where one exists, permits the attendees to evaluate the information being provided with full faith and knowledge. A conflict of interest should not be construed as having any negative connotations. However, ACCME Requirements, mandate that presenters who **DO NOT** have a signed Conflict of Interest & Disclosure Form, prior to the meeting must be listed in the Final Meeting Program, as having refused to disclose, whether or not they have a conflict of interest.

In addition, SIIM strongly recommends that each presentation should include an introductory slide, which discloses any conflicts of interest. For your convenience, please feel free to copy and paste onto your introductory slide, the following statement:

*"Prior to beginning my presentation, I would like to inform you that {state the nature of the conflict -- e.g. receive grant moneys from, have a financial interest in, etc.} My remarks today, however, are in no way intended to promote or endorse my relationship with these entities. The purpose of my presentation is to provide you with information based on my own knowledge and experience."*

In the case of faculty who are stakeholders in commercial entities or organizations we suggest they add:

*"My presence is also not an indication that the Society for Imaging Informatics in Medicine supports or endorses in any way my {company, organization, its products, or its services}."*

## Presentation Guidelines

This document provides guidance for preparing your presentation for the SIIM 2009 meeting in Charlotte, North Carolina on June 4-7, 2009 and IIP Bootcamp on June 3, 2009.

### **General Information**

All presentations for the SIIM 2009 meeting must be prepared using computer presentation software. All presentations must be made using Microsoft PowerPoint presentation software on a PC. No Macintosh computers will be available at the meeting.

### **The standard room setup for the meeting includes the following:**

- Podium
- Podium Microphone
- Lavaliere Microphone
- Laser Pointer
- Core 2 Duo, 3GHZ, 2GB Ram with monitor
- LCD projector
- One projection screen

### **Requesting Audio-Visual Equipment**

If you require any additional Audio-Visual Equipment, please email requests to [SIIM2009@siimweb.org](mailto:SIIM2009@siimweb.org).

### **Presentation Preparation**

A. *Objectives:* Before, during, and after your presentation preparations, please continue to refer to the overall Annual Meeting Objectives found on page 2 of this document. In addition, you should also refer back to your session's specific objects, which are located in the appendix of this document.

B. *Software:* The SIIM provided computers will include Windows XP, MS Office 2003 with an Office 2007 conversion, MS Office PowerPoint, Adobe Acrobat Reader 9, Windows Media Player, QuickTime for Windows, and Real Player. Other presentation programs will not be available.

C. *Resolution:* The LCD Projector will be set for handling a resolution of 1024x768. They are capable of handling 800x600 resolutions; however the machine will have to do an automatic reconfiguration. To avoid delays or interruptions, it is recommended that presenters develop their presentations using 1024x768 resolutions.

D. *Slide Template:* SIIM has prepared a PowerPoint template that speakers are welcome to use - it is available on the SIIM ftp site (see access information below). You are welcome to use your own template, though please follow our general rules and tips:

- ✓ As you create your presentation(s), keep in the back of your mind, that nearly 3,000,000 people are visually handicapped by color blindness. (According to the [University of Washington Department of Ophthalmology](#))
- ✓ Providing visually stimulating, yet accessible content can be difficult.

- Create all slides in grayscale
- Add color to enhance your presentation, not drive your presentation.
- Avoid colors with red undertones, especially with dark backgrounds.
- Keep backgrounds as basic schemes, without changing the background on each slide.
- ✓ Please use a dark background color with a light text color, like white or yellow.
- ✓ Do not use red or green.
- ✓ Logos are to be limited to only the introductory slide. Do not use your organization's logo on any slide beyond the introductory.

E. *Conflict of Interest & Disclosure*: SIIM strongly recommends that each presentation should include an introductory slide, which discloses any conflicts of interest. For your convenience, please feel free to copy and paste onto your introductory slide, the following statement:

*"Prior to beginning my presentation, I would like to inform you that {state the nature of the conflict -- e.g. receive grant moneys from, have a financial interest in, etc.} My remarks today, however, are in no way intended to promote or endorse my relationship with these entities. The purpose of my presentation is to provide you with information based on my own knowledge and experience."*

In the case of faculty who are stakeholders in commercial entities or organizations we suggest they add:

*"My presence is also not an indication that the Society for Imaging Informatics in Medicine supports or endorses in any way my {company, organization, its products, or its services}."*

F. *Fonts*: Fonts seem to be a continual problem with PowerPoint.

- ✓ We strongly recommend using **Arial** font for information specific slides.
- ✓ Important information should be sized at least **24-point** for those in the back.

If you use a non-standard font you will need to embed the fonts in your presentation for it to format properly on the SIIM computers. One of the "save as" tools includes the option of embedding Truetype fonts within your presentation. Under the "File" menu, choose "Save As". On the "Save As" pop-up screen, select "Tools" on the menu bar and then "Embed Truetype Fonts" on the pull down menu.

When you embed fonts, PowerPoint will provide a pop-up alert and list any fonts that are not capable of being embedded. Make a note of the fonts that are not embedded. Either change the fonts to a Truetype font and re-embed or include a separate copy of the fonts with the backup of your PowerPoint presentation.

G. *Mac Computers*: If you are producing your presentation on a Macintosh computer, there should be no problems in transferring to a PC-based computer. However, there are occasional glitches that turn up in the transfer process. **It is very important to preview your presentation in the Speaker Ready Room on the PC's and make any adjustments that may be required.**

If you are running movies developed on a Macintosh, please note that QuickTime is not native to the PC environment. It is suggested that the best way to handle Mac-based movies is to create the movies as AVI files. In addition, it is recommended that Cinepak be used for compression and not Sorenson. Also, please be sure to use image formats that are cross platform compatible, such as JPG, GIF, or BMP.

## **Transferring Your Presentation**

Please use the SIIM ftp site for uploading your presentation. We ask that you upload your PowerPoint slides by **Friday, May 29, 2009** to ensure that we have your presentation loaded on the AV network and will be fully ready for your presentation.

The ftp site that you should use to upload your presentation is <ftp://www.siim2009.org/>, with the

UserName: faculty

Password: siim09

If you have Please contact the SIIM office at [SIIM2009@siimweb.org](mailto:SIIM2009@siimweb.org) if you have any trouble accessing the ftp site.

Please note that using an FTP client to access the SIIM ftp site is recommended. There are several freeware versions of ftp clients available on the internet. You can also access the SIIM ftp site using a browser; however, accessing ftp sites with IE7 is problematic. You will need to take several steps to configure IE7 to be able to access an ftp site successfully:

1. Launch IE7 under Tools/Internet Options/Advanced Tab making sure that "Enable FTP Folder View (outside of Internet Explorer)" is selected. Also make sure that "Use Passive FTP (for firewall and DSL modem compatibility)" is selected.
2. Browse to: <ftp://www.siim2009.org/> The SIIM Office will provide you additional information.  
-You will need to copy and paste the link into your browser.

### **Troubleshooting Internet Explorer Cannot Display the Webpage MESSAGE:**

If you get the message: "Internet Explorer cannot display the webpage" go to the Page menu (next to the Tools menu) and select "Open FTP Site in Windows Explorer." You will need to reenter your UserName and Password. This should work.

***We ask that you still bring a backup of your presentation with you to the meeting. Please bring an electronic copy of the final presentation on disk, CD-ROM, or USB flash drive. \*NOTE: If you create a CD, be sure to CLOSE or FINALIZE the CD, before you end your session. If this step is not accomplished it will be impossible to read your CD on the AV computers.***

***If you are unable to upload your presentation to the ftp site by Friday, May 29, 2009, then please bring an electronic copy of the final presentation on disk, CD-ROM, or USB flash drive to the Speaker Ready Room at least 24 hours in advance.***

## **Speaker Ready Room**

SIIM will be networking between the Speaker Ready Room and all halls, ballrooms, and meeting rooms in which presentations are to be made. Please visit the Speaker Ready Room to ensure that your slides have been received successfully. You will be able to use computers in the Speaker Ready Room to view and edit your presentation. These computers will be configured identically to the presentation computers in the meeting room. In addition, USB flash drives will be available to facilitate transfer of files from your computer to the AV

computers. Staff will be stationed in the Speaker Ready Room to assist in transfer of your presentations to the network for final review and dissemination to the client computers in the meeting rooms. The Speaker Ready Room can be found in Room 219AB located on Level 2 of the Charlotte Convention Center.

Speaker Ready Room Hours:

Wednesday, June 3	4:00 pm – 8:00 pm
Thursday, June 4	7:00 am – 5:00 pm
Friday, June 5	7:00 am – 5:00 pm
Saturday, June 6	7:00 am – 5:00 pm
Sunday, June 7	7:00 am – 10:00 am

To improve the flow of the sessions, all presentations will be loaded onto and run from the AV computers to the maximum extent possible. All presentations will be hyperlinked to a Session Agenda Slide Show, to ensure that the presentations will be a seamless flow from the opening agenda to each presentation in the session.

For presentations that need special software or capabilities not resident in the SIIM computers, an SVGA switch device will be provided in each meeting room. Please contact the SIIM office and let us know of any special requirements so that we can make sure that the AV staff is prepared to support any adjustments that may be required. Internet connectivity is NOT provided in meeting rooms and if necessary for your presentation, requires a special request.

\*Note: It is highly recommended that you bring a copy of your presentation, just in case.

**Making Your Presentation**

Please look to the SIIM Education Office for all of your Presentation needs. We have a multitude of resources, which pertain to educating the adult learner.

On the day of your presentation...

Arrive at the meeting room at least 15 minutes prior to your scheduled presentation. An AV technician will be stationed in the room. Please contact the AV technician to go over the room setup, monitor location, mouse setup, and laser pointer operation.

A computer monitor will be provided in each meeting room to make it easier for the presenter to see their presentation while they make their talk. It is important to talk into the microphone and not turn your head to look at the screen.

Please rehearse your presentation and make sure that it fits within the allotted time span. This year SIIM is audio taping most of the sessions within the SIIM Annual Meeting for podcasting/slide presentations on the SIIM website later this summer. Though we have received your signed release form, please let us know prior to your presentation if for some reason you do not want your talk included on the SIIM Website after the meeting. Due to audio and/or visual taping: Be sure to repeat audience member questions, prior to responding to them.

## **Continuing Education and Program Evaluation**

For those of you who presented with us last year, you know that we used Scanners to track participant attendance. This method was NOT as effective as we hoped it would be. Therefore, we have decided to use our traditional method of CE/CME Participant Session Tracking.

### *SIIM 2009 Continuing Education Session Tracking:*

At the end of every session, the Session Co-chair or final presenting faculty member will be asked to display a slide of the Continuing Education Tracking Number. We ask that you please remind people before and at the end of the session that recording of this tracking number on the Verification form is REQUIRED for obtaining CE/CME credits. Please remind the session participants to write down the tracking code on the **Verification of Attendance Forms**.

### **\*\*NEW Online SIIM 2009 Annual Meeting Evaluations:**

We will evaluate the SIIM 2009 Annual Meeting and IIP Bootcamp via an online evaluation tool called Survey Monkey. The final slide of each session will be an Evaluation Reminder slide. Since this is a new method for obtaining evaluations, we will need the help of all chairs, faculty, moderators and/or presenters to reiterate the importance of our attendees going online and filling out the evaluation post-meeting.

### *Typical Session Overview:*

1. General Announcement slide will be displayed as participants enter the room.
2. A Session Index slide will display links to individual presentations.
3. Prior to beginning any Presentations, Learning Track chair or Session Moderator will need to make the following announcements:
  - a. "For Continuing Education purposes a session Tracking Number will be displayed at the end of this session. To ensure that you receive credit for this session, please make sure that you write the tracking number on your Verification of Attendance Form at the close of this session. All Verification of Attendance forms will need to be returned to the Registration Desk upon your final departure from the SIIM 2009 Annual Meeting or received in the SIIM office no later than June 21<sup>st</sup>.
  - b. The SIIM 2009 Annual Meeting Evaluation will need to be completed by each attendee via the online tool Survey Monkey. This evaluation link can be found under the Annual Meeting Evaluation bookmark on your SIIM 2009 Race Car USB drive, on the web at [www.siim2009.org](http://www.siim2009.org) and will be distributed to you in post-meeting emails. Attendees who complete their evaluations by June 21<sup>st</sup> will be eligible to win a Complimentary Registration to SIIM 2010 in Minneapolis, MN from June 3-6. Please make a note of the sessions you attend, as this will help jog your memory when taking the Evaluation online post-meeting."
4. Session Presentations
5. Display Continuing Education Tracking Number slide, reminding attendees to write it on their Verification of Attendance forms.
6. Display the SIIM 2009 Online Evaluation Reminder slide

## Presentation Tips

Whether you are a seasoned presenter or SIIM 2009 marks your presentation debut, making a presentation can be a stressful task. Luckily there are tips of the trade that can help you prepare for your moment in the spotlight.

### The Rule of Three:

"Veni, Vidi, Vici!" aka "I Came, I Saw, I Conquered!" - Julius Caesar

"Life, liberty, and the pursuit of happiness."- American Declaration of Independence

"Il Buono, il Brutto, il Cattivo" aka "The Good, the Bad and the Ugly." – Vincenzoni and Leone

One could sit for hours, possibly days, coming up with age-old uses of *The Rule of Three*. Even Aristotle wrote about it in one of history's oldest books, Rhetoric. Educational research shows that people tend to easily remember three things.

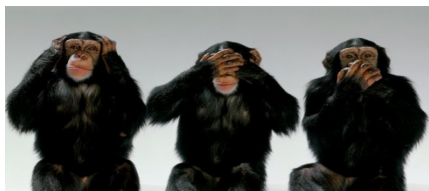
*What three concepts would you most like your audience to walk away with?*

Most people in your audience will only remember three things from your presentation; chose them wisely. If you must present more than three key concepts, try breaking them into subsets of two to three.

*Where is the best place to address these three concepts in my presentation?*

Your presentation is broke into "three" parts; the beginning, the middle and the end. State your concepts in each part of your presentation; briefly in the beginning and at the end, leaving your detailed content in the middle.

### A Picture is Worth a Thousand Words:



Visual  
55%

Text  
7%

Auditory  
38%

Studies show that approximately 55% of people are visual learners. The use of images in your presentation can profoundly improve the retention of your concepts.

\* Include graphics, tables, charts, etc... However, make sure that the graphic directly correlates to the information you are presenting. Adding a cartoon image just for the sake of it, can steer your audience away from key concepts.

Since more than a third of your audience are auditory learners, you can assume that this group will hang on your every word.

\* Capture this groups' attention by ensuring your talk is clear and concise. Avoid filler pauses, such as "um" and "uh." The audience will become more interested in counting the filler pauses, then the content being presented.

Just because readers make up 7% of your audience, doesn't make them any less important.

\* Target this audience through engaging textual content on slides. Throw out the occasionally trivial fact pertaining to your content. Summarize bulleted concepts in short paragraphs. They are more likely to read them.

## Policies and Procedures

### **Faculty Registration**

The Annual Meeting Registration fee is waived for presenting faculty members. However, we ask that you please wait until you have received your Meeting Registration and Housing email before registering and securing housing accommodations. Please look to receive this email during the week of February 9, 2009, as it will provide you with specific details regarding your faculty registration and housing.

### **Housing**

SIIM will notify with regards to ALL housing information. Please do not make housing arrangements until you have received your SIIM 2009: Housing Packet.

### **Reimbursement Policy**

Please visit the <http://www.siimweb.org/index.cfm?id=614> to review the Annual Meeting Reimbursement Policies.

### **Frequently Used Links**

SIIM Homepage -----	<a href="http://www.siimweb.org">www.siimweb.org</a>
SIIM 2009 -----	<a href="http://www.siim2009.org">www.siim2009.org</a>
SIIM 2009 Faculty Page -----	<a href="http://www.siim2009.org/Faculty_info.html">www.siim2009.org/Faculty_info.html</a>
USER ID: faculty	
PASSWORD: faculty	
SIIM 2009 Faculty Registration PDF-----	<a href="http://www.siim2009.org/Faculty/SIIM2009_Faculty_Registration_Form.pdf">www.siim2009.org/Faculty/SIIM2009_Faculty_Registration_Form.pdf</a>
SIIM 2009 Housing & Travel Page -----	<a href="http://www.siim2009.org/Housing_travel.html">www.siim2009.org/Housing_travel.html</a>
SIIM 2009 Learning Tracks -----	<a href="http://www.siim2009.org/Learning_Tracks.html">www.siim2009.org/Learning_Tracks.html</a>
SIIM 2009 Sessions -----	<a href="http://www.siim2009.org/Program_Session.html">www.siim2009.org/Program_Session.html</a>

**SIIM 2009**  
**Education Program Objectives**

	<b>Objectives</b>	<b>Day</b>	<b>Time</b>
<b>Track 1</b>	<b>Basics of Imaging Informatics</b>		
Education	<ol style="list-style-type: none"> <li>1. Analyze the important Imaging Informatics issues to the Radiologist.</li> <li>2. Recognize the important imaging informatics issues for an IIP.</li> <li>3. Discuss the importance of system integration for an IIP.</li> </ol>	Thursday, June 4	10:15 - 11:45
Applied	<ol style="list-style-type: none"> <li>1. Identify the issues with PACS database migration.</li> <li>2. Describe the important RIS replacement issues.</li> <li>3. Discuss PACS and RIS database migration issues and others prior experience.</li> </ol>	Thursday, June 4	3:30 - 5:00
Scientific	<ol style="list-style-type: none"> <li>1. Examine the latest theories, concepts and experiments developed by those working in the world of imaging informatics.</li> </ol>	Thursday, June 4	1:15 - 2:45
<b>Track 2</b>	<b>Communicating Results</b>		
Education	<ol style="list-style-type: none"> <li>1. Discuss issues associated with problematic communication and see proposed solutions.</li> <li>2. Examine the concept of communication as a series of closed loop cycles between patients, clinical providers, technologists and radiologists.</li> </ol>	Thursday, June 4	3:30 - 5:00
Applied: Opening General Session – Critical Test Results Workflow Demonstration	<ol style="list-style-type: none"> <li>1. Identify the trials and tribulations of communicating critical results.</li> <li>2. Observe methods used to communicate results more efficiently.</li> <li>3. Reflect upon the productive communication workflow methods.</li> </ol>	Thursday, June 4	8:00 - 9:30
Scientific	<ol style="list-style-type: none"> <li>1. Examine the latest theories, concepts and experiments developed by those working in the world of imaging informatics.</li> </ol>	Thursday, June 4	10:15 - 11:45
<b>Track 3</b>	<b>Image Acquisition &amp; Management</b>		
Education	<ol style="list-style-type: none"> <li>1. Compare and contrast of the complexities of the newest acquisition modalities and the implications of their decisions on storage and transmission of selected vs. all images.</li> <li>2. Develop an understanding of the process of defining acquisition protocols necessary to achieve excellent CAD and advanced image processing results.</li> </ol>	Thursday, June 4	1:15 - 2:45
Applied	<ol style="list-style-type: none"> <li>1. Configure acquisition protocols to optimize for CAD and advanced image processing.</li> <li>2. Design a policy for their department on storage / retention of images / series / CAD results for each modality.</li> </ol>	Thursday, June 4	10:15 - 11:45
Applied	<ol style="list-style-type: none"> <li>1. Recall the science of color and color measurements.</li> <li>2. Describe the tri-chromatic theory of the human visual system.</li> <li>3. Identify the computational tools for color calibration and color reproduction.</li> <li>4. Visualize the thresholds and the effect of color on the correct diagnosis.</li> <li>5. Assess the display performance for medical imaging systems.</li> </ol>	Thursday, June 4 Friday, June 5	1:15 - 2:45 1:15 - 2:45
Scientific	<ol style="list-style-type: none"> <li>1. Examine the latest theories, concepts and experiments developed by those working in the world of imaging informatics.</li> </ol>	Thursday, June 4	3:30 - 5:00
<b>Track 4</b>	<b>Advanced Visualization</b>		

Education	<ol style="list-style-type: none"> <li>1. Examine the clinical goals of 3D labs: producing standardized 3D renderings for common applications like complex fractures, vascular disease; producing standardized measures for things like tumors; producing individualized renderings and measures for unusual diseases.</li> <li>2. Contrast the strengths and weaknesses of various operating models including central lab and distributed lab models, including the hardware and performance implications. Another critical element of lab function is how to communicate effectively to and with the referring physician.</li> <li>3. Interpret some of the economic principles of 3D labs and billing aspects of operations.</li> </ol>	Friday, June 5	8:00 - 9:30
Applied	<ol style="list-style-type: none"> <li>1. Develop a working knowledge of the uses of ITK/VTK and XIP.</li> <li>2. Practice using ITK/VTK and XIP.</li> </ol>	Sunday, June 7	8:00 - 12:30
Scientific	<ol style="list-style-type: none"> <li>1. Examine the latest theories, concepts and experiments developed by those working in the world of imaging informatics.</li> </ol>	Friday, June 5	1:15 - 2:45
Track 5	Enterprise Imaging		
Education	<ol style="list-style-type: none"> <li>1. Compare and contrast the similarities and differences: workflow in Pathology/Laboratory Medicine compared to radiology. What those differences in workflow mean for developing electronic medical records and charts.</li> <li>2. Analyze the other “ologies”: how are those images going to get into a PACS – or are they? How standards groups are addressing the problems of non-radiological imaging.</li> </ol>	Friday, June 5	3:30 - 5:00
Applied	<ol style="list-style-type: none"> <li>1. Summarize the challenges that Cardiology and Pathology/Laboratory Medicine face as they seek to make their digital images a part of the electronic medical record. In particular, the difficulties resulting from the absence of the equivalent of an RIS for these other specialties.</li> <li>2. Describe the interface of Cardiology and Radiology; how that can be either successful or become a turf battle that neither specialty truly “wins”.</li> <li>3. Define the challenges facing radiology because of the many other specialists who would just as soon perform and interpret imaging studies, why these come about, and the pain of preventing them.</li> <li>4. Evaluate the requirements and challenges when enterprise IT “owns” the PACS.</li> </ol>	Friday, June 5	1:15 - 2:45
Scientific	<ol style="list-style-type: none"> <li>1. Examine the latest theories, concepts and experiments developed by those working in the world of imaging informatics.</li> </ol>	Friday, June 5	8:00 - 9:30
Track 6	PACS Operations		
Education	<ol style="list-style-type: none"> <li>1. Extrapolate the tools of a PACS administrator to become more efficient and skilled as a professional.</li> <li>2. Discuss process to implement to turn systems administration from art to a science</li> <li>3. Define the traits of having a successful career as an Imaging Informatics Professional.</li> </ol>	Friday, June 5	1:15 - 2:45
Applied	<ol style="list-style-type: none"> <li>1. Engage and expose PACS administrators to open source tools that can aid them.</li> <li>2. Investigate the advances made by open source communities in medical imaging informatics and speak with the developers and representatives from those projects.</li> </ol>	Friday, June 5	8:00 - 10:00
Scientific	<ol style="list-style-type: none"> <li>1. Examine the latest theories, concepts and experiments developed by those working in the world of imaging informatics.</li> </ol>	Friday, June 5	3:30 - 5:00
Track 7	Breast Imaging Informatics		
Education	<ol style="list-style-type: none"> <li>1. Introduced to the latest in new breast imaging technologies (tomosynthesis, nuclear medicine, CBCT, etc.).</li> <li>2. Describe their current states of maturity / adoption, with emphasis on their potential impact on breast imaging informatics over the next few years.</li> </ol>	Thursday, June 4	1:15 - 2:45

Applied	<ol style="list-style-type: none"> <li>1. Demonstrate the workflow and use cases for the IHE Mammography Profile.</li> <li>2. Review the background and rationale for creation of a national mammography database and then show real-world use cases and benefits using specific vendor implementations.</li> </ol>	<p>Thursday, June 4 Friday, June 5</p>	<p>3:30 - 5:00 8:00 - 9:30</p>
<b>Track 8</b>	<b>Imaging Center PACS</b>		
Education	<ol style="list-style-type: none"> <li>1. Recognize the unique workflow challenges of digital imaging within an imaging center environment and review sample solutions.</li> <li>2. Analyze the different approaches for IT solutions to digital imaging within selected imaging centers.</li> </ol>	Saturday, June 6	10:15 - 11:45
Applied	<ol style="list-style-type: none"> <li>1. Compare and contrast the current limitations of image data sharing between facilities using current technologies (e.g. CD/DVD).</li> <li>2. Evaluate how cross enterprise image sharing can improve patient care and reduce cost of care.</li> </ol>	Saturday, June 6	1:30 - 3:00
<b>Track 9</b>	<b>Interoperability &amp; Integration</b>		
Education	<ol style="list-style-type: none"> <li>1. Recall DICOM and future directions for DICOM development.</li> <li>2. Compare and contrast how DICOM is used in non-radiology and non-imaging applications.</li> <li>3. Analyze how <u>S</u>ervice <u>O</u>riented <u>A</u>rchitecture and web services can be used to achieve interoperability.</li> <li>4. Describe how semantics and the semantic web are important and their application to imaging informatics.</li> <li>5. Recall IHE and future directions for IHE development.</li> <li>6. Describe how IHE uses DICOM, edge standards and web services to advance interoperability.</li> </ol>	Saturday, June 6	10:15 - 11:45
Applied	<ol style="list-style-type: none"> <li>1. Analyze the decision points in deploying standards for interoperability.</li> <li>2. Explore the advantages and disadvantages of different models for interoperability.</li> </ol>	Saturday, June 6	1:30 - 3:00
Scientific	<ol style="list-style-type: none"> <li>1. Examine the latest theories, concepts and experiments developed by those working in the world of imaging informatics.</li> </ol>	Friday, June 5	3:30 - 5:00
<b>General Sessions</b>			
Keynote: Henry Petroski	<ol style="list-style-type: none"> <li>1. Examine how integrating the concepts of civil engineering of everyday items can be used in the imaging informatics world.</li> </ol>	Friday, June 5	10:15 - 11:45
Commemoration: The Samuel L. Dwyer, III, PhD, FSIIM Lecture	<ol style="list-style-type: none"> <li>1. Recall the infrastructure of PACS.</li> <li>2. Define the standards for the format and information content of medical digital images.</li> <li>3. Develop an appreciation for the history of digital images storage.</li> <li>4. Evaluate the history of medical imaging informatics by analyzing the contributions of RISC, SCAR, and SIIM.</li> </ol>	Saturday, June 6	8:00 - 9:30
Closing: The Flattened World As the New Enterprise: Threats, Opportunities, and the Role of Imaging IT	<ol style="list-style-type: none"> <li>1. Analyze the highly successful enabling technology that has allowed users to provide image services throughout the entire health care enterprise.</li> <li>2. Discuss how imaging IT should be properly leveraged to enhance the relevance and value of service providers rather than accelerate their commodization.</li> </ol>	Saturday, June 6	3:30 - 5:00
<b>Roundtables</b>			
Residents	<ol style="list-style-type: none"> <li>1. Review the opportunities for resident involvement with the SIIM organization.</li> <li>2. Discuss how SIIM can be helpful to all radiology trainees.</li> </ol>	Friday, June 5	7:00 - 8:00

RT	<ol style="list-style-type: none"> <li>1. Analyze ways to overcome the difference in communication between RT and IT.</li> <li>2. Describe how to teach the RT, the IT world and vice versa.</li> <li>3. Interpret suggestions and experiences for helping fellow professionals integrate the two job roles of RT and IT in daily practice.</li> </ol>	Friday, June 5	7:00 - 8:00
PACS Wish List	<ol style="list-style-type: none"> <li>1. Compare and contrast strengths, pitfalls and limits of current PACS technology for IIPs, radiologists and clinicians.</li> <li>2. Summarize common PACS integration issues.</li> <li>3. Relate ways to communicate with vendors to improve product offerings.</li> </ol>	Friday, June 5	7:00 - 8:00
IIP a Profession	<ol style="list-style-type: none"> <li>1. Address the needs and concepts which are associated with being an Imaging Informatics Professional.</li> <li>2. Examine the role of an Imaging Informatics Professional within an institution.</li> <li>3. Discuss the future trials and tribulations of being an Imaging Informatics Professionals.</li> </ol>	Friday, June 5	7:00 - 8:00
Operational Issues in Modern PACS	<ol style="list-style-type: none"> <li>1. Compare and contrast issues faced when using a PACS.</li> <li>2. Discuss and theorize innovations that can be used to improve PACS systems.</li> </ol>	Saturday, June 6	7:00 - 8:00
HIS, RIS, PACS: How do we play nicely?	<ol style="list-style-type: none"> <li>1. High level review of various architectural designs for HIS, RIS, and PACS, including multi-facility, single-facility, integrated RIS/PACS, and interfaced systems.</li> <li>2. Discuss challenges associated with each architectural design, and identify solutions to these challenges.</li> <li>3. Discuss associated support needs and identify IIP's role in meeting these needs.</li> </ol>	Saturday, June 6	7:00 - 8:00
Challenges of Implementing a Digital Breast Imaging Program	<ol style="list-style-type: none"> <li>1. Recognize the issues faced when implementing a Digital Breast Imaging Program.</li> <li>2. Compare and contrast methods for implementing a successful Digital Breast Imaging Program.</li> </ol>	Saturday, June 6	7:00 - 8:00
Advances in Visualization	<ol style="list-style-type: none"> <li>1. Recall a brief history of the advances made in visualization.</li> <li>2. Compare and contrast implications of implementing the latest in visualization.</li> </ol>	Saturday, June 6	7:00 - 8:00
RIS Interoperability in the Enterprise	<ol style="list-style-type: none"> <li>1. Define RIS interoperability and how it relates to ones workflow.</li> <li>2. Discuss the development of RIS.</li> </ol>	Sunday, June 7	7:00 - 8:00
What functionality should RIS include?	<ol style="list-style-type: none"> <li>1. Review traditional RIS system functionality commonly found today.</li> <li>2. Discuss additional functionality, and consider whether integrated RIS-PACS systems can provide it.</li> </ol>	Sunday, June 7	7:00 - 8:00
Imaging Center Challenges	<ol style="list-style-type: none"> <li>1. To promote collaboration among members of imaging centers at within SIIM.</li> <li>2. To identify areas where SIIM could provide support for imaging informatics professionals within Imaging Centers.</li> </ol>	Sunday, June 7	7:00 - 8:00
Additional Courses			
Scientific Session: R&D	<ol style="list-style-type: none"> <li>1. Examine the latest theories, concepts and experiments developed by those working in the world of imaging informatics, specifically the research of the SIIM 2008 Grant Recipients.</li> </ol>	Saturday, June 6	10:15 - 11:45
Scientific Session: Posters & Demos	<ol style="list-style-type: none"> <li>1. Examine the latest theories, concepts and experiments developed by those working in the world of imaging informatics.</li> </ol>	Saturday, June 6	1:30 - 3:00

IIP Course	<ol style="list-style-type: none"> <li>1. Explain the range of knowledge and competencies required for the Imaging Informatics Professional (IIP) to ensure successful PACS implementation and operation.</li> <li>2. Describe the fundamental operational structure, IT components and design standards of a PACS system.</li> <li>3. Identify areas where more education and understanding is needed for those interested in pursuing IIP certification.</li> <li>4. Explore the blend of essential competencies required for imaging informatics administration as described in the 10 domains of the IIP certification test content outline.</li> <li>5. Differentiate between the ABII certification efforts and SIIM IIP education goals.</li> </ol>	Wednesday, June 3	8:00 - 6:00
Physicians Bootcamp	<ol style="list-style-type: none"> <li>1. Compare and contrast the sensitive issue of the communications that must be made between Physicians, IT and vendors.</li> <li>2. Develop an appreciation of the physical and mental demands placed upon the body, by working in less mobile, confined workstations.</li> <li>3. Describe the complexities of extending PACS into the world of Pathology.</li> <li>4. Gain a working knowledge of Advanced Visualization.</li> </ol>	Sunday, June 7	8:00 - 12:30
CIIP Forum	<ol style="list-style-type: none"> <li>1. Describe the accepted workflow specific items within the radiology department; with a focus on IHE and real world application of the standards.</li> <li>2. Recall typical roles and responsibilities within the clinical environment.</li> <li>3. Analyze image creation and manipulation principles; and how these relate to the practice of Imaging Informatics.</li> <li>4. Interpolate database structure and analysis, networking basics and hardware/ operation systems.</li> </ol>	Sunday, June 7	8:00 - 12:30
Pathology Informatics Session	<ol style="list-style-type: none"> <li>1. Describe the basics of pathology informatics.</li> <li>2. Discuss anticipated concepts which might arise when converging radiology and pathology informatics.</li> </ol>	Saturday, June 6	1:00 - 2:00
Learning Lab: Wikis	<ol style="list-style-type: none"> <li>1. Recognize to most productive uses of Nagios within a network environment.</li> <li>2. Hands-on practice using Nagios.</li> </ol>	Sunday, June 7	8:00 - 10:00
Learning Lab: Nagios	<ol style="list-style-type: none"> <li>1. Recognize to most productive uses of Wikis within a network environment.</li> <li>2. Hands-on practice using Wikis.</li> </ol>	Sunday, June 7	10:30 - 12:30



## Education Program Outline

### Due Date: Monday, March 23, 2009

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[SIIM2009@siimweb.org](mailto:SIIM2009@siimweb.org)

This outline is to help guide your presentation process. You may not have as many Main Ideas as listed below. Delete or add as needed. Part 1: General Information is required, along with at least one Main Idea and its content. While your Closing Thought may simply be a restatement of your objective. Please refer to the Program Objectives, as well as your specific session's objectives throughout the preparation process.

**Presenter's Name:**

**Learning Track (if applicable):**

**Session:**

1. General Information
  - a. Conflict(s) of Interest
    - i.
  - b. Talk Objective(s)
    - i.
2. Main Idea 1
  - a. Content 1.a
    - i.
  - b. Content 1.b
    - i.
3. Main Idea 2
  - a. Content 2.a
    - i.
  - b. Content 2.b
    - i.
4. Main Idea 3
  - a. Content 3.a
    - i.
  - b. Content 3.b
    - i.
5. Closing Thought
  - a.
    - i.



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**Date:** \_\_\_\_\_

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I Have

\*2. I will base my contributions on the best scientific evidence available regarding this content. My contributions will give a balanced view of therapeutic options and be unbiased.

I Will

\*3. My contributions will not promote the products or services of any commercial interest to this content.

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I Will

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Name and credentials:

Present Position and Employer:

Describe your expertise in relation to the topic(s) being presented:

### Education

Degree	Institution (Name, City, State)	Major Area of Study	Year Awarded (optional)

### Certifications

Board	Field	Date

Membership in Professional Organizations

Practice/Work Experience (relative to education topic; i.e. years of experience, number of published articles, book chapters, presentations, courses taught)

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