

Image Acquisition and Use in Radiation Oncology
SEAAPM Chapter Spring Symposium
George W. Sherouse, Ph.D. and Sandra Burch, Ph.D. Co-directors
Francis Marion Hotel, Charleston, South Carolina
10-12 April, 1996

Wednesday, 10 April 1996

6:00-8:00PM Registration and Ice Breaker

Thursday, 11 April 1996

8:00-8:30 Registration and continental breakfast

8:30 Welcome and introduction

9:00 Terminology and basic concepts of digital images and image processing, James Coggins, Ph.D.

9:30 Fluoroscopic equipment specification, acceptance testing and quality assurance, Gary Barnes, Ph.D.

10:15 break

10:45 Quality assurance of CT scanners used for radiotherapy, Richard Morin, Ph.D.

11:15 CT-based therapy simulation, George W. Sherouse, Ph.D.

11:45 Application of Nucletron-Oldelft simulator with CT extension, Sha Chang, Ph.D.

12:15 Lunch on Historic King Street

1:30 Issues with use of MRI for therapy planning, Jerry Allison, Ph.D.

2:00 Digital radiographic image quality, Perry Sprawls, Ph.D.

2:45 Digital image processing and feature extraction, James Coggins, Ph.D.

3:30 break

4:00 Overview of EPID technology: design, application and QA, Marcel van Herk, Ph.D.

4:45 Comparison of methods for digitizing films, Jon Trueblood, Ph.D.

5:15 Use of digitized films for dosimetry of photon beams, Sandra Burch, Ph.D.

5:45 adjourn

Friday, 12 April 1996

8:00-8:30 Registration and continental breakfast

8:30 A PACS system for Radiation Oncology, Tim Fox, Ph.D.

9:00 A PACS system for Radiation Oncology, Jim Gaiser, Ph.D.

9:30 PACS in Radiation Oncology, Tim Schulteiss, Ph.D.

10:00 break

10:30 The Peacock system, Bruce Curran, ME

11:15 Measurements of 3D dose distributions using polymer-gels, John Gore, Ph.D.

12:00 Closing comments and adjourn

6:30 Reception and dinner at the South Carolina Society Hall

Annual Meeting Program
Southeast Chapter, American Association of Physicists in Medicine
Francis Marion Hotel, Charleston, South Carolina
12-13 April 1996

Program coordinator: George W. Sherouse, Ph.D., President-Elect

Friday, 12 April 1996

- 11:00-5:00 Registration
- 11:30 Registrants' luncheon
- 1:00 Welcome and introduction
- 1:15 The Effect of Physical and Dynamic Wedges on the Inverse Square Law, John P. Gibbons, Columbia, SC
- 1:45 Mammographic Grid Performance, P. Rezentos, K.L. Junck, G. Barnes, Birmingham, AL
- 2:15 Enhancing the Role of the Medical Physicist Through Added Value Negotiations, Adrian L. Oliver, Knoxville, TN
- 2:45 break
- 3:30 Customized Immobilization Devices During Routine and Conformal Radiation Therapy: Opportunities and Limitations, Gunilla Bentel, Durham, NC
- 4:00 Motion of the Prostate as a Function of Many Variables, Marcel van Herk, Amsterdam, The Netherlands
- 4:30 3D Dose Optimization Without the Inverse Technique and MLC, Sha Chang, Chapel Hill, NC
- 6:30 Reception and dinner at the South Carolina Society Hall

Saturday, 13 April 1996

- 8:00 Registration and continental breakfast
- 8:30 Annual SEAPPM Chapter Award and Presentation
- 9:00 Annual SEAAPM Student Award and Presentation
- 9:30 Vacuum-assisted System for Prostatic Transperineal Radioactive Seed Implantation, William Kan, Dothan, AL
- 10:00 break
- 10:30 Supply of and Demand for Medical Physicists, Jon Trueblood, Augusta, GA
- 11:00 Shape-based Plan Optimization for Radiosurgery, Dan Bourland, Winston-Salem, NC
- 11:30 Deployment of 3D Treatment Planning in a Distributed Private Practice, Mary Lewis, Charlotte, NC
- 12:00-1:30 Members' luncheon
- 1:30-3:00 Business meeting

We would like to express our appreciation to the many vendors who pay for exhibit space each year. Without their support this meeting as we know it would literally not be possible. This year we are particularly grateful to Nucletron-Oldelft Corp., Philips Medical Systems, Siemens Oncology Care Systems, Inc. and Varian Oncology Systems for their very generous additional support.

Thanks also go to Tracy Schening, Jim Goodgame, and Michael Tkacik for arranging the Friday night reception and dinner at the South Carolina Society Hall.

Restaurants Within Walking Distance

Charleston has more restaurants than you can shake a fork at, many of which are within walking distance of the Francis Marion. I have listed some that I have first-hand knowledge of below and you will certainly come upon others if you just head south on King Street. The restaurants I have listed are all either on King Street or within one block of King Street and have reasonable lunch menus and prices.

Heading north, pickings are slim but there are two excellent choices:

The Bookstore Cafe (412 King Street) is one block up and features an assortment of sandwiches and plate lunches. Their quesadilla of the day is usually quite good as is their deep-dish cheese pie.

Alice's Restaurant (468 King Street) features right fine Southern home cooking. Try their barbecued chicken. Mmmmm....

Heading south:

Hardee's (Marion Square Mall) is right diagonally across the intersection from the Francis Marion, but you could easily miss it since it is tucked into a mini-mall.

The Pitawich Place (371 King Street) serves stuff wrapped in pitas. They have deli meats and cheeses and some vegetarian options.

Subway (367 King Street) is a Subway.

Horse and Cart (347 King Street) is a little pub with a selection of 100+ beers. Their gyro really is great as is their hummus. This is one of my favorite haunts.

Le Midi (337 King Street) is a little more upscale and serves French country cooking. Try the fish special of the day. Très bon.

Sharky's Pizza (306 King Street) has good sandwiches, pizza and calzones in a college pub atmosphere.

Sushi Hiro of Kyoto (298 King Street) is what you expect it would be.

Cafe Rainbow (282 King Street) is a funky coffee shop that also serves food as the mood strikes them. Chances are good that whatever you order will not be available, especially if you order the special of the day. Good coffee and good milkshakes, though.

Jestine's Kitchen (corner of Meeting and Wentworth, one block east of King) is a new home cooking restaurant that we are growing quite fond of. Tell Dana (the owner) that George sent you. She knows me by sight, not by name so that will probably not register with her, but if enough of you do it maybe I'll get some payback when I go in and introduce myself again. The collards, the meatloaf and the Coca-Cola cake are great. Get Dana to tell you about Jestine.

Juanita Greenberg's Burrito Palace (75 1/2 Wentworth, just off King) is a hole in the wall that serves some of the best burritos you have ever tangled with. It is a dive, though. You have been warned.

Taste of India (273 King Street) has a lunch buffet that I am not impressed with but some folks like.