

# ELC Workshops

Electronic Learning Center (ELC) workshops provide the opportunity for practicing neuroradiologists and neuroradiologist educators to learn new electronic methods in an interactive small group environment. The workshop format allows for hands-on and experiential learning with computers, software, and knowledgeable assistants. The faculty and assistants at the workshop include both PC and Mac users. This year's program will build on the sessions offered at the 2004 meeting.

- Attendance is limited to 60 participants
- ELC Workshops are not included in the Annual Meeting registration fee
- A ticket is required for admission
- Tickets are offered on a first come, first-served basis for \$50 Members/ Non-members/Other Professionals and \$10 for Fellow/Trainees
- Two participants per computer during the workshop

## ELC Workshop A: Introductory Powerpoint

Monday, May 23 ☐ 8:05am – 9:35am

Tuesday, May 24 ☐ 8:00am – 9:30am

Wednesday, May 25 ☐ 3:00pm – 4:30pm

*David S. Martin, MD (Tues/Wed)*

*John L. Go, MD (Mon/Tues)*

The goal of this workshop is to instruct registrants in the creation of educational presentations by learning the core concepts of Microsoft PowerPoint software. Learn how lecture material can be developed for display using LCD projectors. Learning Objectives of this workshop include: creating a new presentation from scratch; using the Office and Presentation Assistants; copying, deleting, and modifying the sequence of slides; formatting and editing the text in slides; working with Clip Art, pictures, and other objects; preparing an entire presentation; saving a presentation in normal and HTML formats; and printing audience and speaker notes.

## ELC Workshop B: Advanced PowerPoint

Monday, May 23 ☐ 10:15am – 11:45am

Tuesday, May 24 ☐ 10:15am – 11:45am

Wednesday, May 25 ☐ 1:00pm – 2:30pm

*H. Christian Davidson, MD*

*Richard H. Wiggins, III, MD*

This workshop will address the more advanced techniques of PowerPoint presentation construction, including insertion of graphs or tables, linking of objects, transitions, animations, and adding sound or video clips. Learn how to create more dynamic presentations by making items appear and disappear on slides and inserting "hidden" controls in the slides. The lecturers will demonstrate how to link one PowerPoint presentation to another to control the flow of information and enable toggling between presentations. Lastly, comments will be made on the appropriate use of multimedia components for keeping a talk interesting yet avoiding audience distraction by too much flash.

## ELC Workshop C: Website Creation for the Novice

Monday, May 23 ☐ 1:00pm – 2:30pm

Tuesday, May 24 ☐ 3:00pm – 4:30pm

*Richard H. Wiggins, III, MD*

This course is geared toward anyone who is beginning to think about creating a website for work or personal use. Through a series of practical demonstrations and hands-on exercises, this workshop will help you acquire the skills necessary to build and maintain a basic website. Topics to be covered include: how a standard web editor works, how to create a basic web page using images and text, creating links between web pages, formatting text and paragraphs, creating and changing the layout of tables, and putting your pages on the web.

## ELC Workshop D: Adobe Photoshop and Elements

Tuesday, May 24 ☐ 1:00pm – 2:30pm

Thursday, May 26 ☐ 8:00am – 9:30am

*Richard M. Berger, MD*

This workshop will enable the attendee to become familiar with the more advanced graphics editing techniques and options available in Adobe "Photoshop" and its newer younger brother "Elements". This hands-on, interactive workshop will provide participants with the opportunity to learn how to edit images from any origin. Topics covered will include determining optimal image size and resolution for print, PowerPoint, and email graphics; adding text and arrow annotations; re-windowing and leveling; cropping and removing extraneous text and markings; and converting to gray-scale. Attendees will also use the more common graphics tools such as airbrush, blur, rubber stamp, eyedropper, magic wand, paint bucket, and others.

## ELC Workshop E: Advanced Website Production

Thursday, May 26 ☐ 10:15am – 11:45am

*Dale A. Charletta, MD*

This hands-on expert experience will cover the effective use of, and creating, advanced content for the internet. The session will cover various editors available for creating web pages in HTML (HyperText Markup Language) as well as how to insert XML (eXtensible Markup Language). Familiar tools, such as Microsoft Word and Netscape Communicator, will be discussed with a focus on the use of images, links, tables, and uploading content via FTP (file transfer protocol) to a web server. Advanced topics such as DHTML (dynamic HTML), CSS (cascading style sheets), Javascript, Java, Perl, and other languages used for web page creation will also be discussed.



May 21-27, 2005

# ELC Lectures

The ELC Lectures were introduced in 2001 in response to the overwhelming demand for computer education beyond what could be accommodated in small workshops. The ELC Lectures focus on topics that are of general interest and in which the hands-on experience is not as crucial to the learning process.

- ELC lectures are held throughout the Annual Meeting in a large session room
- ELC lectures are included in the Annual Meeting registration fee
- No preregistration or ticket is required for admission

## ELC Lecture A: The Radiologist's Computer: PC and Mac Perspectives

Monday, May 23 □ 8:05am – 9:05am

*Hervey D. Segall, MD | Gregory L. Katzman, MD*

Up to date basics of computer hardware and operating systems will be covered, including both the Macintosh and PC platforms. Components inside the computer (e.g. motherboard, processor, chipsets, drives, cards, etc.), peripherals (e.g. monitors, speakers, keyboards, etc.), and lastly connections will be discussed.

## ELC Lecture B: High Speed Connectivity Update

Monday, May 23 □ 1:00pm – 1:30pm

*Gerard J. Muro, MD*

Attendees will learn about the different types of high-bandwidth internet access as well as the advantages and limitations of each. Basic principles in connecting a high-bandwidth internet connection to a home LAN (Local Area network) will also be presented, with a discussion of networking for both work and home.

## ELC Lecture C: Capturing and Using Image Files

Monday, May 23 □ 1:30pm – 2:30pm

*Barton F. Branstetter, VI, MD*

The audience will get an appreciation for some of the technical details of digital images, requirements for digital presentations, methods for obtaining digital images, and tricks for making PowerPoint lectures. Recommendations will also be made for image storage and organization.

## ELC Lecture D: Multimedia Conference Room 2005

Tuesday, May 24 □ 8:00am – 9:00am

*Venkata Natarajan, PhD*

This lecture will outline the creation of a modern digital multimedia conference room to facilitate more efficient presentation of radiology learning materials. Topics will include video requirements (projection devices, cameras, screens, and monitors) audio systems, teaching aids (laser pointers, lecterns, and interactive screens), presentation devices (computers, VCR/DVD players, slide projectors, overhead projectors, PACS and Workstations), network considerations (LAN and WAN), and overall ergonomics (lighting, soundproofing, seating, and room architecture).

## ELC Lecture E: Advanced Image Processing in MRI

Tuesday, May 24 □ 4:40pm – 5:40pm

*Todd B. Parrish, PhD*

Neuroradiology relies on sophisticated imaging equipment and software to generate images of the patient. The purpose of this talk is to start with the basics of image-processing and build an understanding as it relates to neuroimaging methods. The talk will cover issues such as image dimensionality,

## (ELC Lecture E Continued)

filtering, 3D imaging including surface rendering and maximum intensity projections, segmentation, normalization, and applications of image processing. Advanced topics such as diffusion tensor imaging and perfusion (DSC and ASL) processing will be covered.

## ELC Lecture F: fMRI Post-Processing

Wednesday, May 25 □ 4:40pm – 5:40pm

*Timothy P.L. Roberts, PhD*

This lecture will begin with an overview of the key processes of analysis for fMRI data. This includes re-alignment, modeling of hemodynamic response, hypothesis testing and statistical parametric mapping. We will discuss the characteristics of block vs. event-related designs. Lastly, comparison will be made of the commonly used data processing packages, including Stimulate, AFNI and SPM.

## ELC Lecture G: PDA's and the Radiologist

Wednesday, May 25 □ 5:40pm – 6:10pm

*Richard H. Wiggins, III, MD*

Attendees will obtain the current understanding of PDA hardware features, expansion interfaces, and the differences between the various operating systems. The technological future for PDA's will be discussed in light of the rapid evolution of these types of products.

## ELC Lecture H: Digital Teaching Files: An Overview of Techniques

Thursday, May 26 □ 8:00am – 9:00am

*Gregory L. Katzman, MD*

This lecture is directed at the novice, who may be considering constructing electronic digital teaching files on his or her desktop computer, either at work, on a laptop, or at home. Several simple methodologies will be presented, all of which are easily learned and inexpensive. Department wide solutions and networks will not be discussed.

# NLM Workshops

A showcase by the National Library of Medicine (NLM) will be offering hands-on-workshops focusing on PubMed® and MedlinePlus throughout the ASNR Annual Meeting. PubMed® is the National Library of Medicine's web-based portal to the MEDLINE database. Searchable without charge, PubMed® provides bibliographic access to the health literature, currently containing over 15 million citations to articles written over the past 50 years. NLM also produces MedlinePlus, a free consumer friendly source of up-to-date health information for patients. Visit and consult with expert librarians or test-drive these and other NLM resources.

## NLM Workshop: When PubMed Is Not the Answer...

Tuesday, May 24 □ 5:00pm – 6:00pm

Thursday, May 26 □ 1:00pm – 2:00pm

*Maryanne Blake*

PubMed may not always be the right tool for your information needs. At this session you will find out how to maximize the utility of your time on the Web and make your searches more effective and efficient. You'll get helpful hints about using Web resources from a "search all the Web" site like Google to health-specific sites like Clinicaltrials.gov and MedlinePlus.

## NLM Workshop: PubMed/MedlinePlus Advanced Tips and Tricks

Monday, May 23 □ 3:00pm – 4:00pm

Wednesday, May 25 □ 5:00pm – 6:00pm

*Linda Milgrom*

Learn to fine tune your PubMed searches and limit your retrieval to the most relevant articles. Have you used Cubby, an easy way to ask PubMed to send you periodic updates on topics of continuing interest? Try special features such as Clipboard, Clinical Queries, and History. Come to the demo and play Stump the Librarian. Any PubMed question is fair game.