

Dear Colleague,

We move this year to Tampa and the University of South Florida to take advantage of the warm hospitality and fine facilities of the Medical School and Department of Anatomy. This is – hard to believe – our 10th annual workshop. We thought last year's Chicago conference was going to be the last, but in true Slice fashion, Jon Seymour and Marianne Messer of Gold Standard Multimedia expressed a desire to host the workshop this year. It wasn't long after that that Rod Murray from Thomas Jefferson University suggested we merge the Philadelphia *Computers in Healthcare Education Symposium* with Slice to make an even better meeting. In addition, the Eccles Health Sciences Library's Knowledge Weavers, who played such a significant role in last year's workshop, felt that the event served as a natural extension of their mission and so they will be joining us again to offer their considerable expertise. Lastly, (it keeps getting better) this past fall I had the good fortune to meet the people associated with the CTI Centre for Medicine at the University of Bristol (time to get those bits and bytes going both ways across the Atlantic) who indicated their desire to join us this year as a co-sponsor.

Since the beginning of the project, Slice of Life has seen multimedia tools evolve from analog laserdiscs and interactive software to self-contained CD-ROM programs to Web-based access of educational courseware not even imagined a few years ago. The laserdisc was initially what brought together a group of health science educators and software developers. Today the laserdisc serves as a rich image resource for problem-based learning. Over the years the workshop has itself evolved to where we are now an international network of novices and experts mixing practical technology with education.

We welcome newcomers. The workshop provides a forum for exchanging new ideas in health sciences education and reviewing the state-of-art in computing technology. Whether you are on the program or simply attending, we invite you to share your knowledge and experience with everyone at the workshop by joining us evenings in the Hospitality Suite (bring your laptop!).

This is a *WORKshop* ... and an informal one. One of the greatest advantages of such a format is the speed with which everyone becomes acquainted, whether expert or novice, with one another's interests. The networking continues after the conclusion of the workshop on Saturday at the traditional Grand Extravaganza – plan on attending!

We are excited about this year's preworkshop tutorials and conference program. Inside is an (almost) accurate program. Some adjustments to the program may be required to meet the equipment needs. We are limiting the workshop to 200 registrants in order to avoid concurrent sessions and to encourage interactivity and dialogue. Bring your laptops, floppies, Zip and Jaz cartridges (we do a lot of sharing).

Suzanne Stensaas

PROGRAM INFORMATION/

DEMONSTRATIONS:

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AUDITORIUM PRESENTATIONS:

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UNIVERSITY HOST:

Donald Hilbelink, Ph.D.
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University of South Florida
Tampa, FL 33612

ACCOMMODATIONS: EMBASSY SUITES HOTEL AND CONFERENCE CENTER, 3705 Spectrum Blvd., Tampa FL 33612

The Embassy Suites Hotel opened this year and is located on the edge of the university campus. Walking distance to the meeting site is about 15 minutes. We will provide buses to the site at appropriate times June 23 - 27. If you choose to stay elsewhere you will be responsible for your own transportation. Being together is an important part of the workshop and we hope you will make your reservations at the conference hotel. Consider sharing a room as **the price is the same for two as it is for one: \$109**. We have reserved a limited block of **rooms which will only be guaranteed until May 20th**. Each room is a suite with either two double beds or one king size bed. There is a separate living room with sofa bed and a well-lit work table. The kitchen includes a wet-bar, microwave, refrigerator and coffeemaker. There are two telephones with multiple lines, voice mail and computer jacks as well as two remote-controlled televisions with complimentary premium channels and in-room movies (on command). All suites are equipped with electronic door lock, hair dryer and iron. The hotel provides complimentary breakfast and happy hour in the tropical, enclosed (AC) inner courtyard with waterfall. There is a lobby lounge and cappuccino bar. The Hospitality Suite will be located on the top floor. Naturally there is a swimming pool, sauna and recreational facilities. The hotel is located 15 miles from the Tampa International Airport. Transportation information is located on the conference web site. The hotel runs a free shuttle bus to Busch Gardens (but not to the airport). We urge you to consider bringing your family. If you are planning to rent a car you might compare airline prices to both Tampa and Orlando (Disney World 70 miles away). The fare to Orlando might be cheaper. **To make reservations call 1-800-EMBASSY or call the hotel directly at (813) 977-7066; Fax (813) 977-7933.** Identify yourself as a Slice of Life Workshop registrant.

University of South Florida
Gold Standard Multimedia
Thomas Jefferson University
CTI-Medicine, Bristol
University of Utah
Eccles Health Sciences Library
Slice of Life Development Fund

invite you to the

Computers in Healthcare Education Symposium and Slice of Life Workshop on Interactive Multimedia

PREWORKSHOP TUTORIALS

Tuesday & Wednesday

JUNE 23 – 24, 1998

PRESENTATIONS AND DEMONSTRATIONS

Thursday, Friday, Saturday

JUNE 25 – 27, 1998

Tampa, Florida

Abstracts:<http://slice98.gsm.com/>

HOSPITALITY SUITE OPENS, EMBASSY SUITES HOTEL

Monday, Tuesday, Wednesday and Friday 6:00 p.m. On

A site for meeting new and old friends and sharing ideas. Hopefully, one PowerPC and Windows PC with CD-ROM will be available for participants to demonstrate their software, trade tricks, or share software. Bring your portables too. Workshop attendees and families can have a drink and inquire about places to eat. Join a group for dinner, catch a ride with those who have cars.

PREWORKSHOP TUTORIALS

TUESDAY, JUNE 23 & WEDNESDAY, JUNE 24, 1998

The location of the preworkshop tutorials will be posted in the hotel and on the Web site, once we know the number of registrants. We reserve the option of cancelling workshops with fewer than six registrants.

TUE SDAY, JUNE 23, 1998

10:00 a.m. – 5:00 p.m. How To Make Sound and Music an Integral Part of Your Digital Media Productions

You do not need to be registered for the workshop to attend this preworkshop. Priority will be given to workshop registrants (\$125). Cost to non-workshop registrants is \$175. **Pre-registration Required.**

INSTRUCTOR: Andy Wasserman, President, Transmedia Sound & Music

Hands On: An audio production workshop with lecture/demo component. No previous experience in audio, sound or music necessary.

Who Should Attend: Any health sciences educator interested in learning how to use sound. No special requirements. This workshop will give you the tools you need to add narration, sound, music in current audio formats for both PC and Mac platforms. Protocol and file-classification issues for CD and Web delivery will be illustrated using MIDI and Digital Audio techniques.

Topics include:

1. When and how to incorporate audio and music within your interface design and specification
2. Software and hardware requirements for recording, editing and placement in multimedia authoring systems.
3. Issues relating to sound quality, resolution and compression, file size, download speed.
4. Digital music for the non-musician: using technology-based tools to experiment with creativity in sound.

Participants will be encouraged to create narration, audio clips, music and sound effects for projects that they are currently working on using the lab's Windows-based machines. The workshop leader is also a composer/arranger, performer, recording artist, pianist, keyboard player, percussionist, educator and author, sound programmer, multimedia content developer and digital audio & MIDI specialist, Andy Wasserman draws on an astonishingly diverse range of experiences in the music industry. Since 1987, his digital audio and MIDI production studio has enabled him to create and record original scores for video and TV, as well as engineer and perform digital mastering and produce audio for multimedia content development. Recent clients include WABC-TV New York, CBS-TV, AT&T, Time-Life Music, Mastercard, Sandoz-Winthrop Pharmaceuticals, Organon, Castrol Motor Oil, QVC-TV Network, Digital Cable Radio, Prime Productions, Virtual Entertainment, and Opcode Interactive. He is currently a digital media department instructor at Warren County Community College. Andy was a keynote speaker at Slice of Life 97 in Chicago.

9:00 a.m. – 4:00 p.m. A Hands-On Introduction to HTML. (Windows 95 and Pentium computers.)

You do not need to be registered for the workshop to attend this preworkshop. Priority will be given to workshop registrants (\$125). Cost to non-workshop registrants is \$175. **Pre-registration Required.**

INSTRUCTORS: Nancy Lombardo. Assisted by Sharon Dennis, Eccles Health Sciences Library, University of Utah

Who Should Attend: Those who have been putting it off! Finally see how easy it is to make a Web Page or document if you can block out a full day and have some experts help you. You will get more out of the workshop if you bring something with you that you want to convert to an HTML document. Nancy Lombardo from the Eccles Health Sciences Library, developer of an online Internet course makes it easy. Nancy's skills, from creating Web-based self instruction materials and the many classes she has taught at national meetings, make her the perfect person to lead the class. Sharon Dennis is the HTML expert behind the Knowledge Weavers site. The class will cover the basic HTML tags with structured, hands-on exercises. After the basics are examined, techniques for enhancing page layout and design are covered using tables, frames and image map coding. The advantages and disadvantages of HTML editors to make documents will be discussed. At the end there will be brief coverage of popular plug-ins and how to configure your browser.

9:00 a.m. – 4:30 p.m. When HTML Falls Short: Why and How Data-Based Information is Deployed on the Web

You do not need to be registered for the workshop to attend this preworkshop. Registrants (\$100). Cost to non-workshop registrants is \$125. **Pre-registration Required.**

HOST AND COORDINATOR: Paul Burrows with ample assistance and contribution from Chris Johnston, Rod Murray, Sharon Dennis, Richard Rathe, Wuhong Li, and Jon Seymour.

Lecture / Demonstration: Equipment with all the bells, whistles and Internet connections will be connected and projected.

Who Should Attend: Those with a technical bent who don't mind the jargon and techie talk. Those who want to learn a new language!

Note: This is *not* a course on HTML programming, JavaScript, or database programming.

The initial focus of the workshop is to discuss the value of a *needs assessment* before one string of code is typed. Included is a liberal sprinkling of sample sites and methods used. This is not a *how to* workshop, but rather a *how should* workshop. Participants are urged to synthesize their needs and let the group discuss appropriate options.

Many tools, from the simple to the sophisticated and elegant, are available to assist you in publishing educational information to the Web. But before one HTML tag, string of code or query is typed the tough questions have to be asked: What kind of information do I want to share? Why am I sharing it? How do I anticipate users will interact with the information? What are the users' expectations in experiencing my Web site? What trade-offs can I tolerate in the performance of my site? What resources are available to me? This workshop will provide a framework from which these questions can be answered and their solutions implemented. The discussion will show sample sites illustrating various methods used to deploy databased information on the Web. With a firm grasp on the task to be implemented the presenters will journey along a continuum of tools and methods. Higher level HTML coding tools, such as NetObjects Fusion, PageMill, DreamWeaver and Claris HomePage will be discussed (hopefully with the participation of attendees who have used these and other tools). The functionality of using JavaScript, Server Side Includes (SSI), and CGI scripting languages will be examined along with the Java programming language. The dilemma in discussing the nuts and bolts behind databased Web sites is that the user often doesn't see the difference in the look of the site, despite the wide disparities in performance, deployment compatibilities with browsers, maintaining data integrity, updating sites and administration. We will visit all of these issues as well as:

Basic static HTML pages

Sites developed using Claris Home Page, BBEdit, DreamWeaver, etc.

Sites using JavaScript, SSI, or CGI (Richard Rathe)

Sites using Java

Cold Fusion (that allows you to use HTML-like tags in your code but pulls information out of a database

Less expensive and Lighter weight SQL database programs like mySQL or mSQL (Sharon Dennis)

Demonstration of FileMaker Pro and Web Companion (Paul and Chris)

Sites using FileMaker Pro with Lasso or Tango hooks (Paul and Chris)

Perl-based search engine behind Clinical Pharmacology Online Web site with a Microsoft SQL server (Jon Seymour and Wuhong Li)

Full blown Oracle Site (Rod Murray)

Full blown Sybase Site (The Utah Collections, Paul and Chris)

Sites of the group will be demonstrated within the context of the discussion. Other sites will be accessed as appropriate.

If you have something to contribute to this discussion or a Web site to show please contact Paul Burrows:

pburrows@eddy.media.utah.edu

1:30 p.m. – 5:00 p.m. Why Evaluate Online? From Theory to Practice

You do not need to be registered for the workshop to attend this preworkshop. Registrants (\$75). Cost to non-workshop registrants is \$100. **Pre-registration Required.**

INSTRUCTOR: Richard Rathe, Associate Professor of Family Medicine, Director of Medical Informatics, University of Florida

Lecture / Demonstration

Who Should Attend: The workshop is designed for anyone wishing to learn more about online evaluation and the "nuts and bolts" of interactive Web services. No programming experience is required. The Perl source code will be made available for anyone interested in adapting evalCGI for their own use.

Evaluation is a central component in medical education. Paper scan forms are a popular method for gathering evaluation data from faculty and students. At some point, however, the sheer volume of paper becomes overwhelming. Most, if not all, of this burden can be eliminated by moving evaluations online. Other benefits include faster turnaround time for results, real time monitoring of responses, and better written comments.

This workshop will focus on the eval CGI online evaluation system developed at the University of Florida. The following areas will be covered: An Overview of HTTP, HTML and CGI, the design and implementation of evalCGI, processing the data, benefits realized, adapting evalCGI for your site.

WEDNESDAY, JUNE 24, 1998

8:30 a.m. – 12:00 p.m. CalNET: High Productivity Web-Based Authoring

Cost to workshop registrants is \$50. Cost to workshop non-registrants is \$75. You do not need to be registered for the workshop to attend this preworkshop. **Pre-registration Required.**

INSTRUCTOR: Andrew J. Sithers and Jane Williams, Centre for Teaching Initiatives Centre for Medicine (CTICM), Institute for Learning and Research Technology, University of Bristol, UK

Lecture / Demonstration: Using Pentium Computers with Windows

Who Should Attend: Beginners welcome and anyone else who wants to save time creating courseware.

At this session participants will learn:

1. The role of authoring templates in CBT production
2. How to use CalNET to produce basic educational Web pages
3. Generation of Web-deliverable student test pages.

The current tools used for the production of CBL materials are characterized by a steep learning curve and high development costs per hour of delivered course. One particularly successful strategy for addressing these problems has been the introduction of authoring templates designed for routine use by faculty subject experts rather than programmers. CalNET is a Web-based authoring tool developed at the Institute for Learning and Research Technology, Bristol University, UK. It has been designed to allow academics, or those with little computing experience, to easily and rapidly produce high-quality educational Web pages and Web-deliverable question and answer sessions. CalNET will be of particular interest to those needing to provide and support client-based authoring tools. This is not a case-based authoring tool. CalNET runs in Java, so it should be platform independent (good for all the U.S. Mac guys!)

9:00 a.m. – 4:00 p.m. Developing Champagne Medical Multimedia on a Beer Budget

Cost to registrants is \$100. Cost to non-workshop registrants is \$125. You do not need to be registered for the workshop to attend this preworkshop. **Pre-registration Required.**

INSTRUCTOR: *Allan Platt*, Program Manager of the Comprehensive Sickle Cell Center at Grady Health System in Atlanta and Clinical Instructor at the Emory University School of Medicine Physician Assistant Program

Lecture / Demonstration on Windows PC

Who Should Attend: Beginners to the world of technology in teaching. Those who were sent by someone because someone should learn something about multimedia. Those scared of technology. Learn a little of the lingo, so you can go home an expert.

Macintosh and PC-based multimedia is a wonderful teaching tool to graphically and audibly present complex concepts to patients, students and practicing clinicians. Many low cost software and hardware products are available that allow teachers with restricted budgets to develop multimedia teaching programs. Most of the programs are easy to learn and use which allow self-development without expensive developer costs. This workshop will review the current hardware, software and how to put it together to produce a champagne multimedia program on a beer budget.

9:00 a.m. – 5:00 p.m. Bringing Dynamic Media to Your Browser or CD-ROM Project

Cost to registrants is \$100. Cost to non-workshop registrants is \$125. You do not need to be registered for the workshop to attend this preworkshop. **Pre-registration Required.**

INSTRUCTOR: *Paul E. Burrows*, Executive Producer, Multimedia Division, KUED Media Solutions, University of Utah. Member of the Slice team since 1986. He has done more videodisc edits and solved more problems than you even want to even think about! Other participants include: *Chris Johnston, Gary Nieder, Bill Cruce, Richard Rathe*

Who Should Attend: Those wanting an excellent and technical update and demonstration of the options and trade-offs in dealing with digital video. Attendees will receive an Acrobat file of the production instructions Paul Burrows provides his staff in producing movies for The Utah Collections (about 80 pages). Be prepared for techie talk.

We are all very comfortable with browsing text and still images on the Web. Many of us are quite adept at creating such content. But other options are lurking at the bleeding edge of the bandwidth on the World Wide Web. Digital video is available as either QuickTime or video streams from a server to your desktop. This workshop is a combination of how to make digital video movies, a review of what prescriptions and proscriptions you should follow, and a discussion about the differences between standard movie files and streaming video. Paul Burrows will demonstrate the process of digitizing from a video source. He will start with a raw capture using Adobe Premiere software and the Iomega BUZ capture hardware (available for Mac and Windows). Basic clean-up and editing techniques will be shown. The importance of enhancing the volume of the audio track will be shown using MacroMedia's SoundEdit16 software. The most important part of the process is the final compiling or compression of the captured video into a movie file appropriate to the deployment method (Web or CD-ROM). The typical Cinepak compressor will be used, but the new Sorenson codec that ships with QuickTime 3.0 will be compared and contrasted for performance and file size. Making digital movie files playable across Mac and Windows platforms will be demonstrated (gamma correction & flattening), as will making QuickTime movies into "Fast Start" downloadable and playable files (using Terran Interactive's Media Cleaner Pro). How you include a video file on a Web site will be demonstrated along with necessary plug-ins. See expanded abstract on the workshop program Web site.

8:30 a.m. – 12:00 p.m. Advanced HTML Style Sheets

Cost to registrants is \$75. Cost to non-workshop registrants is \$100. You do not need to be registered for the workshop to attend this preworkshop. **Pre-registration Required.**

INSTRUCTOR: *Sharon Dennis*, Media Librarian. Assisted by *Nancy Lombardo*, Eccles Health Sciences Library, University of Utah.

Hands On: The class will be taught using the Windows 95 platform and Netscape 4.0

Style sheets allow you to suggest presentation details (font face, size and color, line height, background colors, etc.) for your Web pages without editing each page. Learn how to implement simple style sheets that work in Netscape 4.0 and degrade gracefully to other browsers. Prerequisite: *Introduction to HTML* or equivalent knowledge. Participants may have to share a computer with another person.

8:30 a.m. – 12:00 p.m. CASUS: Drag and Drop Case Authoring for WWW Browsers

Cost to registrants is \$75. Cost to non-workshop registrants is \$100. You do not need to be registered for the workshop to attend this preworkshop. No limit on registrants for lecture/demonstration. **Pre-registration Required.**

INSTRUCTORS: *Martin Fischer M.D.*, and *Martin Adler M.D.*, Medizinische Klinik, Klinikum Innenstadt, University of Munich, Germany

Lecture / Demonstration: Macintosh for Authoring. The cases can be used with any browser on a Mac or PC.

Who Should Attend: Anyone who wants to make clinical cases for the WWW. Cases can be edited with CASUS very easily by dragging and dropping multimedia data into the multimedia shell. CASUS provides a strong didactical structure and is capable of integrating pictures and text directly from HTML pages.

Evaluation data from authoring sessions show that it only takes about 3 hours to learn all features of the CASUS system and be able to create cases independently. The CASUS authoring system was built to enable clinicians to edit clinical multimedia cases without coding. A strong didactical structure helps the clinician to create high quality cases. The CASUS system provides unique user-friendliness for authors of clinical cases. Text, pictures, sounds, QuickTime movies and VR simulations can be integrated into a case by simple drag & drop actions. Data from a Web-site also can be put into CASUS by simple drag and drop, in most instances. At present, the authoring system runs only under MacOS, however, all created data is cross-platform. The case data can be read out from the CASUS case database to a standard Web browser or to a stand-alone Macintosh or Windows version. The system therefore, guarantees a broad usability for created cases in different settings. A Hyperlink functionality ensures flexible composition of these screens. Links to text, pictures, sounds, QuickTime movies and URLs are integrated into the authoring system.

1:30 p.m. – 5:00 p.m. Teaching the Diagnosis of Cardiac Heart Sounds: From Classroom to Bedside with Portable and Affordable Technology

Cost to registrants is \$75. Cost to non-workshop registrants is \$100. You do not need to be registered for the workshop to attend this preworkshop. **Pre-registration Required. Free to all Florida MDs who bring a stethoscope.**

INSTRUCTOR: *John Michael Criley*, author of, *The Physiological Origins of Heart Sounds and Murmurs* CD ROM

Lecture / Demonstration: Includes computer, sounder, and perhaps infrared (if Keith Johnson from Cardionics can make it).

Who Should Attend: Absolutely everyone (even if you know nothing about the heart) come and learn how to teach with new media. This session will be of particular importance to clinicians wanting to know how to integrate new technology into their teaching. We welcome as many USF faculty as possible (*tuition is waved for them*). In addition, the session will focus on strategies useful for non-clinician faculty or resource developers wanting to get the clinicians in their institution to USE the technology. Dr. Criley will be giving a keynote talk where he will discuss the current and future teaching programs he has developed. This session, however, will focus on *how to* use it with details of how it was done, and how you could do it.

The three modalities that will be demonstrated are: 1. *Heart Sounds Tutor*, Wolff Industries, Toledo, OH, 2. *The Physiological Origins of Heart Sounds & Murmurs*, Lippincott-Raven, Philadelphia, PA and 3. *Videoclips on LaserDisc*, Blaufuss Medical Multimedia, Torrance, CA. The latter two are controlled by a laptop computer. All of the recordings reproduced by these devices were made by the author from patients with well-documented heart conditions including those with valve conditions, congenital heart diseases, cardiomyopathies, and pericardial diseases. These tools are widely used for teaching pathophysiology and physical diagnosis to second through fourth year medical students, residents in primary care specialties, nurse practitioners, and paramedics. They can be integrated into OSCE exams and PBL cases. Reprints and brochures describing the system will be provided.

Benefits: WE WOULD SUGGEST THAT YOU BRING YOUR OWN STETHOSCOPE TO THE WORKSHOP TO RECEIVE THE SOUNDS AT THEIR BEST.

1:30 p.m. – 5:00 p.m. Finding Information on the Internet

Cost to registrants is \$75. Cost to non-workshop registrants is \$100. You do not need to be registered for the workshop to attend this preworkshop. **Pre-registration Required.**

INSTRUCTOR: *Nancy Lombardo*, Systems Librarian, Eccles Health Sciences Library. Assisted by *Sharon Dennis*.

Hands On: PCs with Windows

Who Should Attend: Anyone who searches the Web and gets 12,000 hits! Geared for all levels.

There are tricks to searching and finding what you want. Using the right search engine, combining search engines, using advanced searching techniques can make you more efficient. Better invest half a day now and save time later. Bring a floppy disc to save your bookmarks. Lists of good sites will be provided.

1:00 p.m. – 5:00 p.m. Creating Three-Dimensional Anatomical Images and Animations with “The Virtual Human” by Gold Standard Multimedia Inc.

Cost to registrants is \$75. Cost to non-workshop registrants is \$100. You do not need to be registered for the workshop to attend this preworkshop. **Pre-registration Required.** Attendees may purchase *The Virtual Human Atlas CD* from Gold Standard Multimedia for half price (\$100).

INSTRUCTOR: *Jon Seymour, M.D.* President, Gold Standard Multimedia, Tampa, FL

Hands On: Learn how to create three-dimensional anatomical images and animations using the new Virtual Human software. Virtual Human is the first truly three-dimensional anatomy software. The program contains a state-of-the-art volume rendering engine, that enables you to render, in three-dimensions, any combination of the 1265 anatomical structures identified in the *Visible Human Male CD*. The user will learn how to create their image of choice and then enhance the image with color, opaqueness, labeling, lighting, and animation. The user will also learn how to save the image and view files for use in presentations, Web sites, classrooms and papers.

REGISTRATION MATERIALS may be picked up in the Hospitality Suite Wednesday evening from 6-8 pm for those who are pre-registered. Those attending preworkshops check the lobby bulletin board for location and information about your workshop.

****ALL PRESENTERS ON THURSDAY MORNING SHOULD BRING THEIR SOFTWARE EARLY
WEDNESDAY AFTERNOON TO THE AUDITORIUM (CHECK THE BULLETIN BOARD IN THE HOTEL LOBBY).****

THURSDAY, JUNE 25, 1998: PLATFORM PROGRAM

- 7:30 a.m. REGISTRATION:** Lobby outside the auditorium (or check bulletin board)
- 8:30 a.m. WELCOME: Welcome and Introductions:** Suzanne Stensaas, Paul Burrows, Sharon Dennis, Rod Murray, Tony Frisby, Andy Sithers, Marianne Messer, Jon Seymour, Don Hilbelink, Jane Williams
- 8:40 a.m. Opening Remarks from the University Sponsor and Host:** Donald Hilbelink, Ph.D., Chairman, Department of Anatomy, University of South Florida, Tampa
- 8:45 a.m. KEYNOTE: Towards The Virtual Cadaver?**
Chris Briscoe, Creative Director of Primal Pictures Ltd. The company has created a range of innovative CD-ROMs which have gained wide recognition as leaders in the field. These include The Interactive Hand which features the world's first complete 3-D computer graphic model of the hand and forearm. Chris is widely regarded as one of the leading computer graphics designers and programmers of his generation. Founder of Digital Pictures, one of the world's top computer graphics houses, this company produced photo-realistic computer graphics for television and commercials. Chris has won Clio and Monitor awards in the USA for a range of TV titles and advertisement animations.
- 9:45 a.m. Practical Stereoscopic 3-D Imagery for Multimedia Using a Standard Web Browser**
Robert B. Trelease, Ph.D., UCLA School of Medicine, Los Angeles, CA
- 10:00 a.m. Coffee Break**
- 10:30 a.m. Collaborative, Instructional and Consultative Features of Web Browsers**
Paul Fontelo, M.D., Ph.D. and Craig Locatis, Ph.D., High Performance Computing and Communications and Lister Hill National Center for Biomedical Communications, National Library of Medicine, Bethesda, MD
- 10:45 a.m. Elective Cardio Games: Valvulopathy – A Cross-Platform, Multilingual CD-ROM**
Raphael Bonvin, J. Goy, Xavier Jean-Renaud, Axel Hessinger, Medical Faculty of Lausanne, Switzerland
- 11:00 a.m. Interactive Electronic Problem-Based Learning (iePBL): An Internet-Based Application for Medical Education in the PBL-Case Format**
Francis S. Nuthalapaty, Jane Oh, Michael D. Collins, Andrew Q. Winter, Michael Altman, MD, Northwestern University Medical School, Chicago, IL and Christian Elsner, Leipzig, Germany
- 11:15 a.m. Computer-Supported Collaborative Conferencing for Pediatric Problem-Based Learning**
Carol Kamin, Ed.D. and Robin Deterding M.D., University of Colorado School of Medicine, Denver CO
- 11:30 a.m. The NeuroSyllabus Interactive CD-ROM: An Expansion of the “Digital Anatomist Interactive Brain Atlas”**
John Sundsten, Ph.D., J. A. Frkonia and K. Mulligan, University of Washington, Seattle, WA
- 11:45 a.m. Medical Schools and Computers: Is Compulsory Purchase Acceptable? Learn the Results of the 1996 Requirement Implemented by Louisiana State University, Shreveport, LA**
Mark W. Platt, Ph.D., Tim P. Lester, MBA, and Lee Bairnsfather, Ph.D., LSU, Shreveport, LA
- 11:55 a.m. Medical Informatics in Developing Countries**
Dr. Alvin B. Marcelo, University of the Philippines, Manila, PI
- 12:10 p.m. LUNCH (Provided for all registered)**
- 1:00 p.m. Break-Out Session: Medical Schools and Computers: Is Compulsory Individual Purchase Desirable?**
The debate continues. Those who have tried please share your experiences with those embarking.
Mark W. Platt, Ph.D., Louisiana State University Medical School in Shreveport, LA
- 1:00 p.m. Break-Out Session: Applying Discoveries of Cognitive Sciences to Software Design and Implementation**
Andy C. Reese, Medical College of Georgia, Augusta, GA
- 1:00 p.m. Break-Out Session: Q and A Techniques for Stereoscopic 3-D Imagery for Multimedia and the Web**
Robert B. Trelease, Ph.D., UCLA, Los Angeles, CA and Bill Stewart, Ph.D., Yale University, New Haven, CT
- 1:00 p.m. Break-Out Session: Format Issues for Digital Audio and MIDI**
Andy Wasserman, President, Transmedia Sound, Schooleys Mountain, NJ
- 1:00 p.m. Break-Out Session: Down on the Render Farm. Computer Graphics Issues**
Chris Briscoe, Primal Pictures, London, UK
- 1:00 p.m. Break-Out Session: Who Will Win the Browser Wars? Is There Any Hope for Browser-Independent, Platform-Independent Web Development?**
Sharon Dennis, Eccles Health Sciences Library, University of Utah, Salt Lake City, UT

Please SET UP YOUR DEMONSTRATIONS during lunch break, unless you are leading a breakout session. You are requested to be present from 2:00 – 3:30 or 3:30 – 5:00. This will give each demonstrator time to see the other demonstrations. Demonstrators are expected to be in the demonstration areas, even if not at their assigned location, so people can talk to them. See final program for location. Some switching between Thursday and Friday may occur due to equipment needs.

POSTERS WILL BE DISPLAYED THURSDAY & FRIDAY

Collecting and Indexing Cases: Why Not Share Resources on the Web?

Ken has initiated a listserver for those interested in sharing cases and their resources on the Web. He and others have proposed a database structure. Share your thoughts.

Medical Schools and Computers: Is Compulsory Purchase Acceptable?

See the results of the 1996 requirement implemented by LSU, Shreveport, LA, Mark W. Platt, Ph.D., Tim P. Lester, MBA, and Lee Bairnsfather, Ph.D.

XML: A Better Model for Online Education

Chris Candler, M.D., University of Oklahoma Health Sciences Center, Oklahoma City, OK

Creating an Electronic Learning Environment: The Process

Eve Juliano, M.Ed., Trish Towne, and John W. Loonsk, M.D., University of North Carolina School of Medicine, Chapel Hill, NC

Palmar Scanning: Redefining a Burn Chart for Filipinos

Alvin B. Marcelo, M.D., Eric Arcilla, M.D., Jeanne Azarcon, M.D. and Gleen Aduana, M.D., University of the Philippines College of Medicine, Manila, PI

The CTI Centre for Medicine Bristol, UK

A., J. Sithers, G. Butland and J. Williams, CTI-M, Institute for Learning and Research Technology, University of Bristol, UK

Use of "Live" Online Conferencing for Medical Education

James M. Neill, Ph.D. and Greg Conyers, SUNY Health Sciences Center, Brooklyn, NY

THURSDAY, JUNE 25, SHOW AND TELL/DEMONSTRATIONS

2:00 P.M. – 5:00 P.M. IN THE HISTOLOGY LABORATORY

Continuing Professional Development for Psychiatrists

Vickie Aitken and Alex Lewis, King's College, London, UK

Elective Cardio Games CD: Valvulopathy

Raphael Bonvin, J.-J. Goy, Xavier Jean-Renaud, Axel Hessinger, Departments of Cardiology and Radiology, Lausanne, Switzerland

Collaborative, Instructional and Consultative Features of Web Browsers

Craig Locatis, Ph.D. and Paul Fontelo, M.D., MPH, National Library of Medicine and High Performance Computing and Communications National Library of Medicine

Microscopic Anatomy: Atlas CD-ROM for Tutorial, Course Supplement and Self-Assessment

Anthony J. Frisby, Ph.D. & Ronald P. Jensch, Ph.D., and Chris D. Braster, Thomas Jefferson University, Philadelphia, PA

The "NeuroSyllabus Interactive CD-ROM"

J. A. Frkonja, Kate Mulligan, and John Sundsten, University of Washington, Seattle, WA

Use of Digitized Movies and Computer-Based Instructional Format to Enhance Teaching of the Neurological Exam

K. L. Lovell, M. W. Hodgins, J. A. Arbogast, J. L. Turner, D. L. Murman, Michigan State University, East Lansing, MI

Strengthening A Course and Stimulating Institutional Dialogue: Demonstration of A Computer-Based Learning Program

Hugh R. Peterson M.D. and Arthur Schneider M.Ed., Gary L. Anderson Ph.D., Charlene K. Mitchell M.D., Sharon B. Colton, M.Ed., University of Louisville, KY

The Doctor's Dilemma: A Resource for Medical Ethics

Andy C. Reese, Medical College of Georgia, Augusta, GA

Information Management Tools and Multimedia Resources for Medical Education

Sharon Dennis, Spencer S. Eccles Health Sciences Library University of Utah, Salt Lake City, UT

ProMediWeb: A Java-Based Player for Case-Based (CASUS) Medical Education

M.R. Fischer, Th. Baehring, M. Adler, U. Weichert and H. Schmidt, University of Munich and Rechenzentrum der Heinrich-Heine University, Duesseldorf, Germany

Medical Genetics Web Site with CAI Developed in SuperCard 3 and Ported to the Web

James D. Russell, Ph.D., Meharry Medical College, Nashville, TN

Using Web Technology To Develop A Cross-Sectional Anatomy Digital Lab

James G Tieman, EdD, Bruce E. Maley, PhD., and Robert F. Rubeck, PhD., University of Kentucky, Lexington, KY

Practical Stereoscopic 3-D Imagery for Multimedia and the Web

Robert B. Trelease, Ph.D., UCLA School of Medicine, Los Angeles, CA

Examples of Audio, Music, Sound Effects, Narration and Composition in CD and Web Delivery Platforms

Andy Wasserman, President, Transmedia Sound, Schooleys Mountain, NJ

The CNS in Action: Linking Anatomy and Physiology

Louise F. Charron and J. M. Peyronnard, University of Montreal, Canada

Exploring Histology with A Virtual Microscope

Jens Dorup, M.D., Michael Schacht Hansen and Finn Geneser, University of Aarhus, Denmark

Developing and Using Multimedia Virtual Patients in the Clinical Curriculum

James B. McGee, MD and Edward ("Ned") Casey, Harvard Medical School, Boston MA

Slice of Life Digital: CD-ROM and Web

Paul E. Burrows, KUED Media Solutions, University of Utah, Salt Lake City, UT

DVD Up Close: See What It Can Do for Medical Education

William L.R. Cruce, Ph.D., N.E. Ohio Universities College of Medicine, Rootstown, OH

Three Programs: Interactive Skeleton (new edition), Interactive Hand, Interactive Knee

Chris Briscoe, Primal Pictures, London, UK

Interactive Electronic Problem-Based Learning (iePBL): An Internet-Based Application for Medical Education in the PBL-Case Format

Francis S. Nuthalapaty, Jane Oh, Michael D. Collins, Andrew Q. Winter, Michael Altman, MD, Northwestern University Medical School, Chicago, IL and Christian Elsner, Leipzig, Germany

Computer-Supported Collaborative Conferencing for Pediatric Problem-Based Learning

Carol Kamin, Ed.D. and Robin Deterding M.D., University of Colorado School of Medicine, Denver, CO

CalNET: High Productivity Web-Based Authoring

Andrew J. Sithers, Ph.D., Center for Teaching Initiatives Centre in Medicine, University of Bristol, UK

THURSDAY, JUNE 25, 1998

NIGHT ON THE TOWN IN THE OLD CIGAR FACTORY DISTRICT

A visit to Tampa is a glorious step back in time. Hand-rolled cigars and well-known landmarks highlight the tradition and culture of a past era when this area was the "Cigar Capital of the World." We will begin our evening in YBOR City with dinner at the Columbia Restaurant, in business since 1905, and one of Tampa's oldest Cuban restaurants. After dinner you will be on your own in YBOR City to enjoy the night life, take in a band, have a drink with friends or perhaps even enjoy a cigar. Bus transportation will be provided or you may drive. This event is included for each registered guest. Additional tickets may be purchased for \$35 when you register. Deadline for additional tickets, Tuesday, June 23, 1998.

FRIDAY, JUNE 26, 1998: PLATFORM PROGRAM

Afternoon demonstrations will include the following morning speakers:

John Michael Criley, M.D., Frank Nagy, Ph.D., Gary Nieder, Ph.D., Martin C. Hirsch, M.D., Till Hagemann, Karim A. Qayumi, Tarique Qayumi, M.D., Rick Lasso and Gary Henderson, Ph.D.

- 8:45 a.m. KEYNOTE: Multimedia Teaching and Testing in Cardiac Pathophysiology and Cardiac Auscultation**
John Michael Criley, M.D., Professor of Medicine and Radiological Sciences, Harbor UCLA Medical Center, Torrance, CA. Dr. Criley is author of *The Physiological Orgins of Heart Sound and Murmurs. The Unique Interactive Guide to Cardiac Diagnosis*. It is a privilege to welcome him and see how he uses his own program.
- 9:45 a.m. Using QTVR for "Dissection"**
Frank Nagy, Ph.D., and Gary L. Nieder, Ph.D., Wright State University School of Medicine, Dayton, OH
- 9:55 a.m. Constructing Multimedia Applications for Distribution on CD or the Internet Entirely Within QuickTime**
Gary L. Nieder, Ph.D., Wright State University School of Medicine Dayton, OH
- 10:05 a.m. interBRAIN: Innovative Graphical User Interface for Complex Medical Databases**
Martin C. Hirsch, M.D., and Till Hagemann (presenter), interActive Systems, Marburg, Germany
- 10:20 a.m. Coffee Break**
- 10:50 a.m. A Multimedia Integrated Medical Curriculum for Teaching and Learning**
Susan Albright, Elaine Almeida, Elizabeth Eaton, Ph.D., Tufts University, Health Sciences Library, Boston, MA
- 11:00 a.m. CyberPatient: Interactive Software for Surgical Education**
Karim A. Qayumi, Tarique Qayumi, Paul Harris, Phil Cox, Paul Goad, and Geoff Ferguson, University of British Columbia, Vancouver, Canada
- 11:15 a.m. From Desktop to Webtop: Using an Inexpensive Desktop Windows NT System and A Combination of Powerful Tools (Access Database, Web Site, Cold Fusion, and JavaScript) To Develop A Web-Based, Interactive Pharmacology Question Bank**
Rick Lasso and Gary Henderson, Ph.D., UC Davis School of Medicine, Davis CA

- 11:30 a.m.** ***Integration of Self-Directed Computerized Patient Simulations in the Medical Curriculum***
 Scott Elliot and Joel Gordon, M.D., University of Iowa College of Medicine, Iowa City, IA
- 11:45 a.m.** ***Top Down, Bottom Up: How UK National Initiatives and Subject Specialist Centres Work Together To Put Learning Technology on the Map***
 Jane Williams, Ph.D. and Andrew J. Sithers, Ph.D., CTI Centre for Medicine, University of Bristol, UK
- 12:00** ***Presentation of the Sandoz/Student Software Prize and Demonstration of the Program***
 Suzanne S. Stensaas, Ph.D., Cornell University Medical College, New York, NY
- 12:15** **LUNCH**
- 1:00 p.m.** ***Break-Out Session: How Do Audio and Music Fit Into Interface Design and Content Development?***
 Andy Wasserman, President, Transmedia Sound, Schooleys Mountain, NJ
- 1:00 p.m.** ***Break-Out Session: Collecting and Indexing Resources: Developing Cases Resources on the Web***
 This session is intended to elaborate some of the issues involved in collecting, indexing and sharing cases.
 Ken Williamson, Ph.D., SIU School of Medicine, Dept. of Surgery, Springfield, IL
- 1:00 p.m.** ***Break-Out Session: DVD: Q & A With Someone Who Is Diligently Tracking This Non-Standard Industry***
 William L.R. Cruce, Ph.D., N.E. Ohio Universities College of Medicine, Rootstown, OH
- 1:00 p.m.** ***Break-Out Session: Cross-Platform Development. Is the Java Brewed Yet?***
 Chris Briscoe, Primal Pictures, London, UK

FRIDAY, JUNE 26, SHOW AND TELL/DEMONSTRATIONS
2:00 P.M. – 5:00 P.M. IN THE HISTOLOGY LABORATORY

Afternoon demonstrations will include the following morning speakers: John Michael Criley, M.D., Frank Nagy, Ph.D. and Gary L. Nieder, Ph.D., Martin C. Hirsch, M.D. and Till Hagemann, Karim A. Qayumi and Tarique Qayumi, M.D., Rick Lasslo and Gary Henderson, Ph.D., Scott Elliot and Joel Gordon, M.D., Gary L. Nieder, Ph.D. **as well as:**

Dental Students Will Use a CD-ROM Atlas of Oral Embryology and Histology Even If It Is Not A Course Requirement
 Phyllis A. Slott, Ph.D., Harvey I. Wishe, Ph.D., Martin Roy, Ph.D., New York University College of Dentistry, NY, NY

The Browser Is the Interface: Creating a Multifunctional Workstation for Students with Integrated Access to Online and Offline Media
 Marc M. Batschkus, M.D., Marc Gumpinger, Martin Dugas, M.D., Institut für Medizinische Informationsverarbeitung, Biometrie, und Epidemiologie, Munich, Germany

Web-Based Pathology Education at Thomas Jefferson University
 Anthony J. Frisby, Ph.D. and Bruce Fenderson, Ph.D., Thomas Jefferson University, Philadelphia, PA

Courseware on the Web: 3-D and Interactivity
 Torben Kling-Petersen, Ph.D., Mednet, Goteborg University, Sweden

Multimedia Instruction in Veterinary Cardiac and Thoracic Radiology
 Susan L. Kraft, DVM, Jim Hoskinson DVM, John Mussman, Nathan Culley, Kansas State University, Manhattan

The Interactive Patient: A Web-Based Clinical Simulation
 Christoph U. Lehmann, M.D., Kent A. Hayes & Harold P. Lehmann, M.D., Ph.D., Johns Hopkins University, Baltimore, MD

A Web-Based Course to Teach Research Ethics
 Michael D. Mann, University of Nebraska Medical Center, Omaha, NE

Essentials of Immunology: A Resource for Medical Immunology
 Andy C. Reese, Medical College of Georgia, Augusta, GA

Divisible Human Dissection: Human Anatomy and Development, 1997-1998
 Bill Stewart, Ph.D., Yale University and Shane Dunne, Kingston, Ontario, Canada

Using Computer Technology in Teaching Preclinical Fixed Prosthodontics
 Daryl Styner, D.D.S., William Skiba, D.D.S., James Soberman, D.D.S., N.Y.U., College of Dentistry, NY, NY

Breaking the Mold: Strategies for Web-Based Biology Education
 Ken M. Williams, Dept. of Molecular and Cellular Biology, University of Arizona, Tucson AZ

Use of the WWW To Facilitate Learning Pathology and To Expedite Case Review in Patient Care
 Jannie Woo, Ph.D., Robert Hutchison, M.D., Ann M. Kazee, M.D., Emilio Alcevedo, SUNY Health Science Center at Syracuse, NY

Computer Tools for Early Detection of Congenital Heart Diseases
 Krzysztof P. Wroblewski, Zhi Yun Tian, and Piotr M. Wroblewski, University of Pennsylvania School of Medicine, Philadelphia, PA

A Program for Computer-Based Examinations
 Michael Altman, M.D., Andrew Q. Winter and Michael D. Collins, Ph.D., Northwestern University Medical School, Chicago, IL

How Did Beethoven Die? Music, Medicine, and PBL
 John Bachman, M.D., and Mark McClees, M.D., Mayo Clinic, Rochester, MN; Andy Wasserman, Transmedia Sound and Music, Schooleys Mountain, NJ

New Technologies in Continuing Medical Education
 Lawrence Sherman, Christos Efessiou, Alicia Angelides, Strategic Institute for Continuing Health Care Education, Vienna, VA

XML: A Better Model for Online Education

Chris Candler, M.D., University of Oklahoma Health Sciences Center, Oklahoma City, OK

Making Digital Video (QuickTime and The Iomega BUZ)

Paul E. Burrows, KUED Media Solutions, University of Utah, Salt Lake City, UT

Beat of the Blue Planet: One Man's Vision of a Multimedia Experience

Andy Wasserman, President, Transmedia Sound, Schooleys Mountain, NJ

Two New Programs From Primal Pictures: Minor Surgery for Family Physicians and LectureLab

Chris Briscoe, Primal Pictures, London, UK

American Association of Medical Colleges Curriculum Management and Information Tool

Albert A. Salas, and M. Brownell Anderson M.Ed., Association of American Medical Colleges, Washington, DC

Methods of Incorporating Video and HTML in Procedural Skills Training or Analysis of the First 400 Mistakes We Made Incorporating Digital Video in Multimedia Teaching

Robert Wigton, M.D., University of Nebraska, Omaha, NE

Introducing Medical History Taking

Anthony J. Frisby, Ph.D. and Rodney B. Murray, Ph.D, Chris D. Braster, Tom Sommerville, Susan Rattner, M.D., Mike Magee, M.D., Thomas Jefferson University, Philadelphia, PA

Examples of Three-Dimensional Anatomical Images and Animations With "The Virtual Human"

John Seymour, M.D., Gold Standard Multimedia, Tampa, FL

SATURDAY, JUNE 27, 1998: PLATFORM PROGRAM

- 8:35 a.m. KEYNOTE: The Integrated Electronic Medical Curriculum: A Progress Report**
Jon Seymour, M.D., Gold Standard Multimedia, Tampa, FL
- 9:30 a.m. How Did Beethoven Die? Music, Medicine, and PBL**
John Bachman, M.D., Mark McClees, M.D., Mayo Clinic, Rochester, MN; Andy Wasserman, Transmedia Sound and Music, Schooleys Mountain, NJ
- 10:00 a.m. Introducing Medical History Taking**
Anthony J. Frisby, Ph.D. & Rodney B. Murray, Ph.D, Chris D. Braster, Tom Sommerville, Susan Rattner, M.D., Mike Magee, M.D., Thomas Jefferson University, Philadelphia, PA
- 10:15 a.m. Coffee Break**
- 10:45 a.m. Information Management Tools and Multimedia Resources for Medical Education**
Sharon Dennis, Spencer S. Eccles Health Sciences Library University of Utah, UT
- 11:00 a.m. American Association of Medical Colleges Curriculum Management and Information Tool**
Albert A. Salas and M. Brownell Anderson, M.Ed., Association of American Medical Colleges, Washington, DC
- 11:15 a.m. Update: AAMC Task Force To Develop A Standardized Form for Review of Software and To Develop Strategies for Encouraging Scholarly Recognition for the Production of Effective Software**
Albert A. Salas, Association of American Medical Colleges, Washington, DC
- 11:20 a.m. The Information Commons: An Intersection for Educational Technology and the Health Sciences**
Jim Duncan, M.L.S., University of Iowa, Iowa City, IA
- 11:30 a.m. ProMediWeb: A Java-Based Player for Case-Based (CASUS) Medical Education**
M.R. Fischer, M.D., M. Adler, M.D., Th. Baehring, U. Weichelt and H. Schmidt, University of Munich and Rechenzentrum der Heinrich-Heine University, Duesseldorf, Germany
- 11:45 a.m. "Dissections" in the Computer Resource Laboratory Using the Divisible Human for the 1997-1998 Yale Anatomy and Development Course**
Bill Stewart, Ph.D., Yale University, New Haven, CT and Shane Dunne, Kingston, Ontario, Canada
- 12:00 Courseware on the Web: 3-D and Interactivity with VRML and a Browser, "The Brain Project"**
Torben Kling-Petersen, Ph.D., Mednet, Goteborg University, Sweden
- 12:15 p.m. Closing Remarks, Acknowledgments, Extravaganza Logistics**
Suzanne S. Stensaas, Ph.D., Cornell University Medical College, NY, NY

SATURDAY, JUNE 27

The Traditional Grand Extravaganza: An absolute must and really part of the Workshop.

The Don CeSar Beach Resort & Spa, has been a popular spot for celebrities and world travelers since 1928. *TheDon* is a luxury resort revered for its sugar-white beach, unparalleled dining and fabulous Gulf-side accommodations. During the day you can change into a swimsuit and plunge into the clear blue waters of the Gulf or one of two large pools. Join in a game of volleyball or beach hockey. You may also spend the day wave-running, aqua-biking, sailing or para-sailing (additional fee for these activities). We conclude our activities in the evening with dinner, dancing, music and good times with old and new friends. Buses will take Extravaganza participants to the resort at the conclusion of the workshop. A sack lunch will be provided on the bus. We will return late to the hotel ... so avoid early Sunday morning flights. Cost: \$60. This is **not included** in workshop registration. Sign up early to help us plan.

Slice of Life Workshop Registration Form

PERSONAL DATA – PLEASE TYPE OR REGISTER ONLINE http://slice98.gsm.com/regform2.htm			
NAME (<i>Last Name, First Name</i>)		WORK PHONE	
PROFESSIONAL AFFILIATION		FAX	
MAILING ADDRESS (Number & Street)			
E-MAIL:			
CITY/COUNTRY	STATE	ZIP	HOME PHONE

Workshop Registration	COST	DATE	FEE PAID
Slice of Life Workshop <i>Until</i> May 15	\$295	June 25 – 27	
Slice of Life Workshop Student Rate <i>Until</i> May 15	\$195	June 25 – 27	
Slice of Life Workshop <i>After</i> May 15	\$345	June 25 – 27	
Welcome Dinner at The Columbia Restaurant, YBOR City	FREE	June 25	
Welcome Dinner, Guest Tickets	\$35	June 25	
The Grand Extravaganza at the Don CeSar Beach Resort & Spa	\$60	June 27	

Preworkshops	Conf. Registrants/Non Registrants	
Introduction to HTML	\$125/\$175	June 23 all day
When HTML Falls Short: Why & How Data-Based Info is Deployed on WWW	\$100/\$125	June 23 all day
Integrating Sound into your Digital Movie, CD or Web Site	\$125/\$175	June 23 all day
Online Evaluation: From Theory to Practice	\$75/\$100	June 23 p.m.
CASUS: Drop and Drag Case Authoring for WWW Browsers	\$75/\$100	June 24 a.m.
CalNet Authoring for the Web	\$50/\$75	June 24 a.m.
HTML Style Sheets	\$75/\$100	June 24 a.m.
Champagne Multimedia on a Beer Budget	\$100/\$125	June 24 all day
Bringing Dynamic Media to Your Browser or CD-ROM Project	\$100/\$125	June 24 all day
Create 3-D Images and Animations Using “The Virtual Human”	\$75/\$100	June 24 p.m.
Teaching the Diagnosis of Cardiac Heart Sounds: From Classroom to Bedside with Portable and Affordable Technology	\$75/\$100	June 24 p.m.
Finding Information on the Internet	\$75/\$100	June 24 p.m.

PAYMENT	TOTAL FEES PAID \$
☐ Check or Money Order (<i>Make checks payable to: Gold Standard Multimedia</i>) ☐ Visa ☐ Mastercard ☐ American Express	
Card#	Exp. Date
Exact Name Card Holder	Signature Card Holder
Date	
Please indicate any special physical or dietary needs:	

Mail or fax completed form to:
 Leah Smith, Gold Standard Multimedia Inc., 3825 Henderson Blvd., Suite 200, Tampa, FL 33629, Fax (813)287-1810

CANCELLATION POLICY:
 Cancellations accepted through June 13; a \$50 administrative fee will be retained for cancellations.

CALL FOR SUBMISSIONS FOR THE SANDOZ/Slice of Life 9TH ANNUAL \$1000 STUDENT SOFTWARE AWARD
Deadline is May 15, 1998. A letter from the faculty person involved with the project, a copy of the software, and instructions on how to use it should be submitted to Suzanne Stensaas. The submission does not need to use the Slice of Life or Slice of Brain videodiscs and may run on any platform and be in any language.

Contact:
 Suzanne S. Stensaas Ph.D.
 Box 43, Cornell Univ. Medical College, 1300 York Ave., New York, NY 10021
stensaas@mail.med.cornell.edu