Dear Colleague:

The fourteenth Slice of Life Workshop and Computers in Healthcare Education Symposium returns to Europe after five years. The Slice of Life workshop began at the Eccles Health Sciences Library of the University of Utah in 1988 and has continued on an annual basis. In 1998 Gold Standard Multimedia offered to host the Web site and handle logistics and registration and Thomas Jefferson University wanted to combine the CHES meeting with ours. We were excited when our colleagues at Ludwig Maximilians University (LMU) wanted to host the meeting. We are grateful to them for arranging the facilities as well as all the work involved in making the local arrangements, program and proceedings.

The purpose of the workshop is to bring together developers of medical and health-related educational multimedia. Attendees usually fall into one of the following categories: (1) Medical educators (including library staff and course directors) that want to see how new technology is used and get ideas about what is available. (2) Software and Web developers who may or may not also be faculty and who want feedback on projects completed or under development. (3) Current and potential developers wanting to see new directions in software and technology. (4) Those eager to network with colleagues with similar academic or technical interests. (5) Those who know nothing about computers in education but want to see the state of the art in a friendly environment where participants want to share their enthusiasm and knowledge. The workshop program involves more than half the attendees in some way and avoids concurrent activities in order to stimulate communication and networking. The workshop is limited to 250 registrants. Register early to save money and avoid disappointment.

The event has two major parts. An optional 2 days of hands-on or lecture/demo Pre-workshops on July 31 and August 1 and two and one-half days of auditorium presentations, demonstrations, breakout sessions, posters and panels on August 2-4. The Web site archives contain the program and abstracts from the previous three meetings for those interested in seeing the content and flavor of previous events. The meeting will be in English.

Special events will include dinner and an evening at Nymphenburg Park Thursday and the traditional Saturday afternoon and evening Grand Extravaganza (extra $) following the conclusion of the workshop. This will be a trip to Chiemsee for scenery, castles, good food and continued dialogue with new and old colleagues.

Ludwig Maximilians University, Munich
Eccles Health Sciences Library University of Utah
Association of Medical Education in Europe (AMEE)
German Association of Medical Education (GMA)
German Medical Informatics Association (GMDS)
Thomas Jefferson University, Philadelphia
World Federation of Medical Education (WFME)
Gold Standard Multimedia, Tampa Florida
INSTRUCT AG, München
invite you to the

Slice of Life Workshop

and

Computers in Healthcare Education Symposium

PREWORKSHOPS: HANDS-ON AND DEMO TUTORIALS
Tuesday and Wednesday
JULY 31-AUGUST 1, 2001
PRESENTATIONS AND DEMONSTRATIONS

PROGRAM INFORMATION:
Suzanne S. Stensaas (Utah) and
Martin R. Fischer (Germany)
Eccles Health Science Library
University of Utah
10 North 1900 East
Salt Lake City, UT 84112-5890
Tel (801) 585-1281:
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suzanne.stensaas@hsc.utah.edu

REGISTRATION:
Leah Smith, Martina Dittler (on site)
Gold Standard Multimedia
320 W. Kennedy Blvd, Suite 400
Tampa, FL 33606 USA
Tel (800)375-0943 /
Tel (813)258-4747 ext. 206
Fax: (813) 259-1585
smith.l@gsm.com

AUDITORIUM EQUIPMENT/FRI DEMONSTRATIONS AND POSTERS
Johannes Dietrich & Tim Müller
Medizin. Klinik, AG INSTRUCT
Ziemssenstr. 1, München 80336
Tel 49-89-5160-2289
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DEMONSTRATION/POSTERS/ THURS KLINIKUM GROSSHADERN
Marc M. Batschkus
IBE im Klinikum Großhadern
Marchioninistr.15, 81377 München
Tel 49-89-7095-4711
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ACCOMMODATIONS/ HOUSING: Being together is an important part of the workshop and we hope you will stay at one of the suggested lodgings on the web pages. All include breakfast where you can get acquainted and walk to the University located in the inner city near wonderful historic attractions. Hotels were selected for their their variety of prices and their proximity (5 to 15 minute walk) to the Medical Faculty Downtown Campus, the meeting site. The University is also near the Railroad Station and the city has excellent public transportation. Please go to **http://www.slice.gsm.com/2001/housing.html** for the suggested hotels. We do *not* have a special hotel rate, since we are not holding the meeting in the hotel facilities. We have *no*t reserved a large block of rooms so avoid disappointment and book now as August is high season. You are responsible for your own bookings and transportation to and from the meeting site.

HOSPITALITY SUITE

Monday, Tuesday, Wednesday and Friday - Find details about the location at the Registration Office
Pick up your conference materials at the Registration-Office in the lobby of the Anatomy Institute (Open Monday, Tuesday and Wednesday 4 p.m. - 7:30 p.m. and Thursday 7:30 a.m. - 12:30 p.m.! The Hospitality Suite is a site for meeting new and old friends and sharing ideas. Workshop attendees and families can have a drink or snack and inquire about places to eat. Join a group for dinner in the Biergarten

The final location of the Pre-workshop tutorials will be posted on the Web site, CHECK for last minute changes. Workshops are open to non-workshop registrants after JULY 10 depending on availability. An additional $20-$30 will be charged to non-registrants. We reserve the option of canceling workshops with fewer than six registrants.

T U E S D A Y ,   J U L Y   3 1 ,   2 0 0 1

9:00 a.m.-4:30 p.m. Mastering Digital Images in Your Teaching. ($75 with lunch) Pre-registration Required. Hands-on, Limit 16. Two people may have to share a computer. Cost to non-registrants $105. Location: Medizinische Klinik, Campus Innenstadt, Ziemssenstr. 1, 80336 München, Computerlernraum E27.
INSTRUCTOR: *Jens Doerup, Section for Health Informatics, University of Aarhus, Denmark*
Prerequisites: None.
Synopsis Have you got hundreds of old slides on your shelves that you would like to use in PowerPoint? You will learn the basics and essentials of image processing including simple batch operations to help you with tedious repetitions, and you will learn to make a small photo album with thumbnails on the web. Not for beginners and not for experts - but for the rest of us. File formats and digital cameras along with scanners will also be covered. A CD for each participant will be provided with shareware, freeware, and images.

9:00 a.m. – 4:30 p.m. Introduction to ASP: Building Interactive, Database-Driven Web Applications. Hands-on, Limit 20. ($75 with lunch) Pre-registration Required. Cost to non-workshop registrants is $105. NOTE: Participants may be required to share a computer. Location: Chirurgische Klinik, Campus Innenstadt, Nußbaumstr. 20, 80336 München, Mediothek
INSTRUCTORS: *Sharon E. Dennis, M.S. and Susan Roberts. Knowledge Weavers, University of Utah, Salt Lake City, UT*
Prerequisites: Intermediate knowledge of HTML is REQUIRED; you should have experience hand-coding HTML pages and understand the code, even if you have used a WYSIWYG editor, and be able to code an HTML form or to quickly pick up on the coding; forms coding will be assumed. Some experience with a scripting language such as VBScript or JavaScript is recommended.
Synopsis: Tired of editing static Web pages? Are you interested in adding more interactivity to your educational Web sites? Using Microsoft's Active Server Pages (ASP) technology, you can build interactive, dynamic, database-driven Web applications. Learn how to move from creating Web "pages" to creating Web "applications" using an "ideal" software architecture.   There will be a brief exposure to new technologies such as XML and finding resources on the Web to help create more complicated Web applications.

9:00 a.m.-4:30 p.m. Authoring with CASUS: Quickly Create Computer-Based Teaching Cases. Hands-on. Limit 16 ($75 with lunch) Pre-registration Required. Cost to non-registrants $105. Two people may have to share a computer. Location: Walther-Straub-Institut, Nußbaumstraße 26, 80336 München, Computerlernraum
INSTRUCTORS: *Bernadette Aulinger, Martin Adler, Martina Dittler, Matthias Holzer, Norman Berman, Martin Fischer all developers or users of the software. Ludwig-Maximilians-University, Munich and Dartmouth Medical School, NH, USA*
Who should attend: Would you like to create Computer-based Teaching-Cases in a short period of time? You do not have programming capabilities? Then this pre-workshop is for you.
Synopsis: Experience the ease of handling the CASUS Authoring System. We will teach you in one day how to put real multimedia cases together. Then you will be able to create your own virtual patients with their authentic story of a disease and it's therapy.

9:00 a.m. – 12:00 p.m. Streaming Digital Media for the Web. ($40 with lunch). Tutorial/Demo. Pre-registration Required. Cost to non-workshop registrants is $60. Location: Psychiatrische Klinik, Campus Innenstadt, Nußbaumstraße 8, 80336 München, Room A 024 and A 025
INSTRUCTOR: *Paul E. Burrows, University of Utah, KUED Media Solutions, Salt Lake City, UT, USA*
Who Should Attend: This pre-workshop focuses on preparing linear streaming media for Internet distribution. The pre-workshop by Nieder and Pearson on Interactive QuickTime and Wired Sprites is a great follow up to this session.
 Synopsis: Overviews of various video editing and media compression tools for distributing digital media over the Internet. In-depth look at options and procedures in producing quality digital streaming media. Dozens of samples of streaming media, comparing and contrasting quality and features.

9:00 a.m. – 12:00 p.m. Web-Based Delivery of Courseware, Tutorials and Assessment with WebOL. ($40 with lunch). Hands-on. Pre-registration Required. Limit 20. Cost to non-workshop registrants is $60. Location: Zahnklinik, Goethestr. 70, Campus Innenstadt, Computerlernraum
INSTRUCTOR: *Dr. Ray Harper, Dept. Biology & Health Science, University of Luton, Luton, UK*
Prerequisites: No knowledge of web page construction is required, knowledge of the use of a browser would be advantageous.
Who Should Attend: WebOL software features: (i) producing questions for web-based (self) assessment and tutorials and (ii) organising web pages into projects/courseware. It is suitable for tutors and trainers constructing courseware for the Web.
Synopsis: WebOL is a tool that can construct questions and other simple web pages. It can package the questions (or other web pages) as a "project". Such projects may be assessments, tutorials (provides feedback with incorrect responses) or just lectures. It is primarily suitable for formative assessment*.* The software is freely available.

9:00 a.m. –12:00 p.m. Internet Security. ($40 with lunch) Lecture/Demo. Pre-registration Required. Cost to non-workshop participants $60. ***Location: Medizinische Poliklinik, Campus Innenstadt, Pettenkoferstraße 8, 80336 München, Seminarraum 29***
INSTRUCTOR: *Wilhelm Dolle, Head of Information Technology, IT Security, interActive Systems GmbH, Marburg, Germany*
Who should attend: Anyone interested in an overview of the **technical** aspects of security.
Synopsis: With the constantly evolving nature of the Internet, it is vital that users continuously protect themselves and their information. The two major themes: **Knowing the Risks**: Why are Internet users so vulnerable? How do crackers enter a system? Types of attack, introduction to viruses and malicious code. **How to fight the risks:** Operation Systems (Windows, MacOS, Linux/Unix), security policies, circle of protection, encryption (symmetric and asymmetric, SSL, VPN), firewalls, application-level proxies, host and network-based intrusion detection systems, incident handling (viruses, system compromise)

1:30 p.m.-5:00 p.m. QuickTime Player as a Digital Media Authoring Tool. Lecture/Demo. ($35) Pre-registration Required. *Cost to non-workshop registrants is $55.* ***Location: Psychiatrische Klinik, Campus Innenstadt, Nußbaumstraße 8, 80336 München Rooms 024 and A 025***
INSTRUCTOR: *Paul E. Burrows, University of Utah, KUED Media Solutions, Salt Lake City, UT, USA*
Who should attend: Whether working with a Windows or Macintosh computer, most think of the QuickTime Player as a way to view digital movies. It is much more than that. With the professional upgrade of the QuickTime Player (US$30), you suddenly have quite a powerful editing and authoring tool for digital media.
Synopsis: We will illustrate the manipulation of various data tracks, while showing how the QuickTime Player can fix movies, even after they have been compressed for CD-ROM or World Wide Web distribution. We will also demonstrate how Cleaner Pro 5.0 from Terran Interactive, once used only to compress movies, now allows you to add media tracks to your QuickTime movies.

1:30 p.m. – 5:00 p.m. From Splines to Spines: Making of 3D Models and Their Use in Life Sciences. ($35) Lecture/Demo. Pre-registration Required. *Cost to non-workshop registrants is $55.* ***Location: Medizinische Poliklinik, Campus Innenstadt, Pettenkoferstraße 8, 80336 München, Seminarraum 29***
INSTRUCTORS: *Thomas Kramer and Katrin Gaedt, interActive Systems Gesellschaft für Interaktive Medien mbH, Berlin and Marburg, Germany*
Who Should Attend: The process of making a 3D models includes light sources, objects, and virtual cameras, creating a "virtual camera set". Interaction of light and its environment must be simulated to obtain realistic computer images. See how its done.
Synopsis: Participants will see how they can teach anatomical structure with 3D-models that help students understand the spatial dimensions of complex anatomical structures. Participants can observe step by step the making of 3D models. The post-production process includes generating a stereoscopic image, important for many applications.

W E D N E S D A Y ,   A U G U S T   1 ,   2 0 0 1

9:00 a.m. - 12:00 p.m. Flash 5.0 for Beginners: Animation for the Web, An Introduction to Macromedia's Animation Software. ($40 with Lunch) Hands-on Windows Operating System. Limit 15. Pre-registration Required. *Cost to non-workshop registrants is $60.* ***Location: Anatomische Anstalt der Universität München, Pettenkoferstraße 11, 80336 München, Computerlernraum***
INSTRUCTORS: *Carlos A. C. Baptista*, Susan W. G. Batten* and Valeri Craigle, Medical College of Ohio*, Toledo, OH and University of Utah, Salt Lake City, UT*
Prerequisites: Basic computer skills.
Who Should Attend: This workshop will enable participants to use Macromedia Flash, a vector-based program, to create animations that enhance classroom teaching and Web learning. The focus will be a hands-on exploration of Flash version 5.0 for Windows.
Synopsis: The morning workshop will include a demonstration and discussion of the most common issues regarding the use of Flash to create educational materials (cost, learning curve, web speed, time to create, etc). Hands-on for the remainder of the morning.

9:00 a.m. – 12:00 p.m. Choosing PDAs: The State of the Art, Next Generation Handheld Computers: Capabilities for Health Education. Lecture/Demo. ($40 with lunch). Pre-registration Required. *Cost to non-workshop registrants is $60.* ***Location: Medizinische Poliklinik, Campus Innenstadt, Pettenkoferstraße 8, 80336 München, Seminarraum 29***
INSTRUCTOR: *Robert B. Trelease, University of California at Los Angeles, School of Medicine, USA*
Who Should Attend: Are you interested in essential information for choosing different models of handheld computers, software for pre-clinical and clinical education, and ways to connect to existing networks?
Synopsis: The overview will include advanced audio, video, and wireless networking capabilities of next-generation Pocket PCs. Appropriate content, methods, and resources needed for portable PDA application development, with a special focus on leveraging existing Web resources and supporting multiple platforms.   Learn how to develop local Web sites for distributing interactive content, databases, organizational news, and other applications for healthcare education and experience-based clinical learning.

9:00 a.m. – 12:00 p.m. Using Computers to Prepare Students for the "Real Clinic Life". ($40 with lunch) Pre-registration Required. Lecture/Demo. *Cost to non-workshop registrants is $60.* ***Location: Medizinische Klinik, Campus Innenstadt, Ziemssenstraße 1, 80336 München, Großer Hörsaal***
INSTRUCTOR: *Christof J Daetwyler, AUM - IAWF, University of Berne, Switzerland*

Who Should Attend: Faculty or Developers who want to design clinical software can see and discuss a variety of approaches to designing programs for clinical medicine. For those skeptics who think all clinical education must be done in the clinic.
Synopsis: A discussion of how, and under what circumstances, computer-based programs assist the construction of "illness scripts" - and therefore could be a valuable aid in the preparation of the students for "real clinical life". The following programs will be used to demonstrate and discuss ideas and concepts: "*Neurology Interactive*" from the AUM Bern "*Primary Care of the HIV/AIDS Patien*t" from the IML Dartmouth, "*Kopfschmerz interactive*" from the AUM Bern, "*The Elective Cardio Game*" from R. Bonvin, Basel

9:00 a.m.– 12:00 a.m. Computer Adaptive Testing: Theory and Practice. ($40 with lunch). Pre-registration required. Hands-on. Limit 20. Cost to non-workshop registrants $60. Location: Chirurgische Klinik, Campus Innenstadt, Nußbaumstraße 20, 80336 München, Mediothek
INSTRUCTORS: *Richard Rathe, and Richard Smith, University of Florida College of Medicine, Gainesville, FL, USA*
Prerequisites: Participants should have a basic knowledge of computers and some familiarity with assessment techniques (i.e. multiple-choice tests). No prior knowledge of statistics or computer programming is necessary.
Who should attend: This workshop is intended for medical educators, information technology support staff and others who have interest in advanced assessment techniques.
Synopsis: Workshop participants will: understand the pros and cons of traditional assessment techniques (TAT), the major components of computer adaptive testing (CAT), how CAT overcomes the major problems with TAT, experience an adaptive test first hand with prescriptive feedback based on test performance, directly observe the various dynamic processes within the CAT system, and use advanced item analysis for quality improvement

9:00 a.m. – 4:30 p.m. Dynamic Web Content with PHP4: A Hands-on Introduction. ($75 with lunch) Pre-registration Required. Hands-on. Limit 25. Cost to workshop non-registrants is $105. Location: Walther-Straub-Institut, Nußbaumstra0e 26, 80336 München, Computerlernraum
INSTRUCTOR: *Michael Schacht Hansen, Section for Health Informatics, University of Aarhus, Denmark*
Prerequisites: No prior programming experience is needed. It is assumed that the participants have prior experience with HTML. Participants should be able to read and understand HTML code.
Who Should Attend: Anybody who wants an opportunity to get started with dynamic web-content.
Synopsis: There are several tools available for generating web pages with dynamic content. This is an introduction to one of the most versatile tools. PHP is available on a variety of platforms (Windows, Macintosh and several Unix flavors including Linux), it is fairly easy to get started and it is free. Participants will have an opportunity to get started with dynamic web-content. This introduction will cover server side scripting, how to obtain and install PHP4, basic syntax of the scripting language, cookies, etc.

9:00 a.m. – 12:00 p.m.   The Authoring System of "Docs 'n Drugs - The Virtual Hospital" – A Tutorial for Prospective Case Authors. (Workshop will be in German) ($40 with lunch) Hands-on. Limit 16. Pre-registration Required. Cost to non-workshop registrants is $60. Location: Chirurgische Klinik, Campus Innenstadt, Nußbaumstraße 20, 80336 München, Bibliothek
INSTRUCTORS: *Tim Pietzcker and Claudia Scheuerer, University of Ulm, Germany*
Who Should Attend: Those interested in a comprehensive case authoring system that integrates an intuitive user interface with powerful tools to access the various components' databases.
Synopsis: The tutorial will give case authors (e.g., working in the CASEPORT project) the authoring tools for creating cases for the "Docs 'n Drugs" system. Also, authors of case-based projects may compare, evaluate and discuss this system with other systems.

9:00 a.m. – 12:00 p.m. Computer Simulations in Medical Physiology Education. Lecture/Demo. ($40 with lunch). Pre-registration Required. Cost to non-workshop registrants is $60. Location: Psychiatrische Klinik, Campus Innenstadt, Nußbaumstraße 8, 80336 München, Rooms A 024 and A 025
INSTRUCTOR: *Heiner Busch, iAS interActive Systems GmbH, Marburg, Germany*
Who Should Attend: For those interested in simulation programs. The audience can select parameters to change which can then be applied to the different organs in the programs. The utility of simulations for teaching and learning will be discussed.
Synopsis: The concept "learning by doing" is the motto of this presentation. The audience will be guided step by step through simulations of the heart, muscles, vessels and the patch-clamp-experiment. The participants can follow the time-dependencies of dynamic processes and change physiological control parameters to see the effects on the systems behavior.

1:30 p.m.. – 5:00 p.m. Information Design in Health Care: Cognition and Graphic Design. ($35). Pre-registration Required. Lecture/Demo Cost to non-workshop registrants is $55. Location: Medizinische Klinik, Campus Innenstadt, Ziemssenstraße 1, 80336 München, Großer Hörsaal
INSTRUCTOR: *William G. Cole, Information Design, Seattle,WA, USA*
Who Should Attend: For those interested in theory and pragmatics of becoming a better Web designer.
Synopsis: Web sites, computer interfaces, even printed materials such as patient education brochures, all must be understandable and persuasive to be effective. An overview of the history of ID in healthcare, so that you can learn from the successes and failures of others. Included is a careful examination of the principles of human cognition and successful graphic design.

1:30 p.m. – 5:00 p.m. QuickTime Can Do That? Harnessing the Power of QuickTime Tracks and Wired Sprites. ($35) Pre-registration Required. Lecture/Demo. Cost to non-workshop registrants is $55. ***Location: Medizinische Poliklinik, Campus Innenstadt, Nußbaumstraße 8, 80336 München, Seminarraum 29***
INSTRUCTORS: *Gary L. Nieder and John C. Pearson, Wright State University School of Medicine, Dayton, Ohio, USA*
Prerequisites: A basic understanding of QuickTime video (i.e., have used the QuickTime Player or QuickTime browser plug-in). Some familiarity with scripting languages like Lingo or Hypertalk would be useful, but not required.
Synopsis: QuickTime architecture and the use of Live Stage Professional to assemble multi-track interactive movies. Includes a what can be done with tracks in other QT programs such as Cleaner 5, interactive movies, LiveStage Pro and its scripting language, sprites to control linear and VR movie behavior, QT wired sprites as a control interface for web pages, and basic navigation.

1:30 p.m.. – 5:00 p.m. Using PDAs in Teaching Clinical Medicine. Lecture/Demo. ($35). Pre-registration Required. Lecture/Demo with 5 hand held Palms available to share. Limit 20. Cost to non-workshop registrants is $55. ***Location: Chirurgische Klinik, Campus Innenstadt, Nußbaumstraße 20, 80336 München, Mediothek***
INSTRUCTORS: *Andria Klioze, Karen Bradley, Richard Rathe, James Pettigrew, Cathy Schell, Scott Klioze, University of Florida, Gainesville, FL, USA*
Who Should Attend: Those interested in seeing effective clinical software to enhance patient care and student education.
Synopsis: The workshop will begin with a brief review of basic operating features including graffiti, editing, creating a business card, beaming, and downloading software, and other basic skills according to needs of the participants. In this workshop, participants will have the opportunity to gain knowledge and skills in: Basic features and operation of the Palm
2. Selected effective clinical software: "Patient Keeper", "QID", "Medmath", "Epocrates" and "5 Minute Clinical Consult".
Includes a discussion about the experiences, both positive and negative, of using PDAs and related software in the clinical setting.

1:30 p.m.. – 5:00 p.m. Synchronizing Web-Based Multimedia with SMIL. ($35). Pre-registration Required. Hands-on. Limit 12.
Cost to non-workshop registrants is $55. ***Location: Zahnklinik, Campus Innenstadt, Goethestr. 70, Computerlernraum***
INSTRUCTOR: *Sebastian Uijtdehaage, UCLA School of Medicine, Los Angeles, CA, USA*
Prerequisites: Participants should be familiar with basic HTML, digital image formats (e.g., JPEG) and with the RealPlayer.
Who Should Attend: If you want to enrich your educational websites with interactive, media-rich content this is the workshop. After this workshop, participant will be able to get started with creating SMIL multimedia presentations.
Synopsis: Participants will do a number of excercises that will lead to a SMIL presentation that synchronizes video with images. Furthermore, SMIL authoring tools and resources will be reviewed as well as the potential and limitations of SMIL. Finally, the features of the upcoming version (2.0) of SMIL will be discussed. A syllabus with the exercises will be provided.

1:30 p.m. – 5:00 p.m. Intermediate Flash 5.0: Animation for the Web ($35). Pre-registration Required. Hands-on (Windows Operating System) Limit 15. Cost to non-workshop registrants is $55***. Location: Anatomische Anstalt der Universität München, Pettenkoferstraße 11, 80336 München, Computerlernraum***
INSTRUCTORS: *Carlos A. C. Baptista*, Susan W. G. Batten* and Valeri Craigle, *Medical College of Ohio, Toledo Ohio and University of Utah, Salt Lake City, UT, USA*
Prerequisites: Basic experience with the Flash interface and familiarity with the use of the toolbox, panel sets, and object libraries.
Who Should Attend: Participation in the morning session is not a requirement. A more advanced exploration of Flash 5.0.
Synopsis: The agenda consists of: customizing the Flash interface, building interactivity, using advanced drawing, importing from other programs, working with complex shapes, introducing interactivity, optimizing animations, advanced publishing and exporting.

SPECIAL NOTICES

WEDNESDAY AFTERNOON BETWEEN 2-5 P.M. ALL PRESENTERS FOR THURSDAY AND FRIDAY MORNING SHOULD TEST THEIR SOFTWARE
IN THE ANATOMISCHE ANSTALT AUDITORIUM (GROSSER HÖRSALL),
Maximilians Universität der München PETTENKOFERSTRASSE 11
IF THIS IS NOT POSSIBLE PLEASE CORRESPOND WITH JOHANNES DIETRICH OR MARC BATSCHKUS (SEE PAGE 1)

IF YOU ARE NOT REGISTERED: On site registration may not be possible if the maximum number of registrants has been reached. Telephone, fax or email before coming to Munich or check the Web Site to see if registration is still open.

HOSPITALITY AND PICK UP OF REGISTGRATION MATERIALS WEDNESDAY EVENING FROM 4 P.M. - 7:30 P.M.
IN THE LOBBY OF THE ANATOMY INSTITUTE, PETTENKOFERSTRASSE 11

!!!!! ALERT: PLANNING FOR THE WELCOME DINNER THURSDAY EVENING !!!!

Take everything you will need for the evening dinner with you to the University in the morning and then on the bus to Grosshadern, Also bring anything you need for posters, demos or breakouts. The buses will be secure both while you are at Grosshadern and while you are at Nymphenburg. You will not return to the Inner City until after dinner at Nymphenburg. For those arriving late there will be one bus to Nymphenburg Park from the Faculty of Medicine in the Innenstadt. An additional bus will leave ANATOMISCHE ANSTALT, PETTENKOFERSTRASSE 11 AT 5:00 PM

7:45 a.m.   **REGISTRATION:** Maximilians University, **Anatomische Anstalt, Pettenkoferstrasse 11**, Foyer (main entrance).

8:30 a.m.   **WELCOME and INTRODUCTIONS:** Martin Fischer, Faculty of Ludwig Maximilians University, Munich, Germany, Suzanne S. Stensaas, University of Utah School of Medicine, Salt Lake City, UT, Reinhard Putz, Chair of the Munich-Harvard Education Alliance Program and Chair of the Institute of Anatomy, Ludwig Maximilians University, Munich, Germany

8:45 a.m.   **KEYNOTE: Being Consistent or Being Eclectic? Hidden Notions of Learning with Multimedia**
Rolf Schulmeister, Institute for German Sign Language and Communication of the Deaf and Interdisciplinary Center for Higher Education, University of Hamburg, Germany

9:25 a.m.   ***Lessons from 15 Years of Case-Based Multimedia Education***
Harold C. Lyon, Jr., Notre Dame College, Laconia NH, USA and Ludwig Maximilians University, Munich, Germany

9:40 a.m.   ***Virtual Slide Technology***
James M. Duncan and Fred R. Dick, The University of Iowa, Iowa City, IA, USA

10:00 a.m.   ***Coffee Break***

10:30 a.m.   ***The MedCal Experience: A Nationwide Initiative to Enhance and Coordinate Computer-Assisted Learning***
Göran Petersson and Anna-Lena Hulting, MedCal, the Council for Renewal of Higher Education and Dept of Endocrinology and Diabetology, Karolinska Hospital, Härnösand, Sweden

10:45 a.m.   ***Anatomy Revealed: Orbit, Temporal and Infratemporal Fossae, Nasal Cavity, Oral Cavity, Base of Skull***
Dennis E. Morse, Roy Schneider, Mark Hankin, and Carol Bennett-Clarke, Medical College of Ohio, Toledo, USA

11:00 a.m.   ***Bridging the Pediatric Clerkship Gap***
Anthony J. Frisby, PhD and J. Lindsey Lane, MD, Jefferson Medical College, Philadelphia, PA, USA

11:15 a.m.   ***Differences in Performance on a Clinical Practice Examination Between Students from a Problem-Based Learning Curriculum and those from a Traditional Lecture-Based Curriculum***
Hurley Myers, Linda Morrison, and Tracy Lower, Southern Illinois University, Carbondale, IL, USA

11:30 a.m.   ***Learning by Doing: Bringing Lifelong Learning to the Clinical Practice***
Michael Reng, Dept. of Internal Medicine, University of Regensburg, Regensburg, Germany

11:45 a.m.   ***Animation Showcase: Featuring Animations Found in the Demonstrations at this Meeting.***
Organized by Valeri Craigle, Carlos Baptista, Susan Batten, University of Utah Spencer S. Eccles Health Sciences Library, Salt Lake City, UT and Medical, College of Ohio, Toledo, OH

12:00 p.m.   ***Board Buses to the Klinikum Großhadern LUNCH WILL BE AT GROβHADERN***
Großhadern will be the site for Breakout Sessions, Posters, and Demonstrations. Klinikum Großhadern, Library and Lecture Hall Tract, Marchioninistr. 15, Lecture (2nd Floor). All events are in the lecture building (German: Hoersaaltrakt) on Level 1 or 2. busses stop in front of the lecture building. For those of you who want to take the U-Bahn (underground public transportation) take train U6 to the final stop "Klinikum Grosshadern". From the main entrance go up the escalator and straight (for about 300 meters!) to the very last door on the right hand side. This is the entrance to the lecture building. All rooms are clearly marked from there.

!!!!! ALERT: PLANNING FOR THE WELCOME DINNER !!!!

Take everything you will need for the evening dinner with you to Großhadern, as well as anything you need for posters, demos or breakouts. The buses will be secure both while you are at Großhadern and while you are at Nymphenburg. You will not return to the Inner City until after dinner at Nymphenburg. For those arriving late there will be one bus to Nymphenburg Park from the Faculty of Medicine in the Innenstadt. The bus will leave *ANATOMISCHE ANSTALT, PETTENKOFERSTRASSE 11 AT 5:00 PM*

Please SET UP YOUR DEMONSTRATIONS and POSTERS between 1:00-2:00 p.m., 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 area even if not at their assigned location, so people can talk to them. See final program for your day as some switching between Thursday and Friday may have occurred.

BREAKOUT SESSIONS: 1:00 - 2:00 p.m. Großhadern

1:00 p.m.   ***Quality Assurance (QA): What is the Role of Academia in Guaranteeing Quality and Utility of Educational***

1:00 p.m.   ***Materials for Health Care?*** Martin Rydmark, Göteborg University **Hoersaal I**

1:00 p.m.   ***Digital Video and Audio Clips for Web Delivery*** Robert H. Thalmann, Baylor College of Medicine, Houston, TX and Paul E. Burrows, Media Solutions, University of Utah, Salt Lake City, UT, USA **Hoersaal VII**

1:00 p.m.   ***Database Driven Web Sites for Use in Medical Education: A Resource for Educators.***
Michael S. Hansen, University of Aarhus, Denmark **Patientenraum 2**

1:00 p.m.   ***Does it make Sense to Mix Different Concepts of Learning in a Single Application?*** Prof. Dr. Rolf Schulmeister, Interdisciplinary Centre for Higher Education, University of Hamburg Germany **Hoersaal II**

1:00 p.m.   ***Adventures in Information Design*** William G. Cole, Information Design, Seattle, WA, USA **Hoersaal III**

1:00 p.m.   ***Building Online Case Simulations*** Gregory Thompson, Salt Lake City, UT, (formerly CME Dir. medschool.com) **Hoersaal V**

1:00 p.m.   ***Clinical Cases on Computers. Can Computer Simulated Patients Provide Effective Teaching or Training?***
 Christof Daetwyler, AUM - IAWF, University of Berne, Switzerland **Hoersaal VIII**

1:00 p.m.   ***General Discussion on Issues of Personal Digital Assistants (PDAs) and their Role in the Clinic***
Patientenraum 1

POSTERS AND ELECTRONIC POSTERS

Digital Document Delivery in West Virginia: Supporting Health Care Education through Technology
Nancy J. Wasson, West Virginia University/Health Sciences Library, Morgantown, WVA, USA
Realistic Patient Simulator Training for Medical Students
M. Rall, A. Manger, M. Trick, H. Guggenberger, Anaesthesiology, University Hospital Tübingen, Germany
Distance Education Program for Family Health Teams in the State of Mato Grosso, Brazil
Ernesto Gomes de Azevedo, Sec. of Health, Eliane Ignotti, Elisete Duarte, Eunice Godoy, Sch. of Public Health, Mato Gross, Brazil
The Cologne Internet Manual of Pain Therapy - 18 months Online: Experiences and Evaluation Andreas Koop, Lukas Radbruch,
Christoph Hanssen, Dino Carl Novak, Frank Elsner, Georg LoickBernd Sonntag, and Ralph Müsges,University of Cologne, Germany
Implications for Online Planning: Student Preferences
Susan W. G. Batten, and Carlos A. C. Baptista, Medical College of Ohio, Toledo, OH, USA
Penguins with Stethoscopes: Free and Open Source Software for Health Care Education Inocencio Maramba, M.D.; Eric Pareja,
Medical Informatics Unit and Information Management Services, College of Medicine, University of the Philippines Manila, PI
Faculty Perceptions of Web-based Course Delivery
Linda M. Hennig and Karen Hassey Dow, University of Central Florida, Orlando, FL, USA
Course Web Site Development in an Alternative Health Care Setting
Gregory W. Taylor, Assistant Professor, Palmer College of Chiropractic, Davenport IA,
Five Quick and Easy ColdFusion Applications to Enhance Your Curriculum Web Site
Rob Freedman, University of Oklahoma College of Medicine, Oklahoma City, OK, USA
Virtual Collaborative Case Simulations for Pediatric Problem-Based Learning
Robin Deterding and Carol Kamin, University of Colorado, Denver, CO
Computer-Based Modules for Medical Education and Distance Learning in Brazil and Germany
Sylvia Handl *et al*. Universidade Federal de Roraima, Boa Vista, Brazil and Ludwig-Maximilians University Munich, Germany
*Computer-Based Problem Oriented Neurological Learning Cases Supplementing a New Curriculum at the Technical University
of Munich, School of Medicine* A.Weindl *et al*. Technische Univ., Instruct AG, Univ. München, Notre Dame College,
Manchester,NH
Supporting Medical Mathematics with Scriptable XML: The FORMOSA Language
Johannes W. Dietrich *et al.*Medizinische Klinik der Universität München, Campus Innenstadt, and INSTRUCT AG, Munich, Ger.
A Digital Neuroanatomy Laboratory for Medical Students: Implementation and Assessment of Students' Responses
Jennifer Brueckner and Harold Traurig, University of Kentucky College of Medicine, Lexington, KY, USA

ELECTRONIC DEMONSTRATIONS

**Afternoon Demonstrations/Posters will also include presentations from the Thursday morning presentations by: James M.
Duncan, Dennis E. Morse, Anthony J. Frisby, and Hurley Myers.** Please see their titles and abstracts in the morning program.
Online Courseware Solution in Aspect of Medical Education through Technology
Jan Hejle and Kristoffer Larsen, University of Aarhus, Denmark
Interactive Computer-Based Training in Medicine - An Example from Emergency Medicine
Martin Dugas, F. Christ, F. Demetz, M. Batschkus, K, Uberla, Department of Medical Informatics, University of Munich
A Tool for Developing Online Cases for Medical Education
Anju Relan, School of Medicine, UCLA, Los Angeles, CA, USA
CAMPUS: A Simulative, Flexible, Case-Oriented Web-Based Training System for Multi-Purpose Use in PBL Curricula
Jens Riedel, et al. University of Heidelberg and Humboldt-University of Berlin, Germany
Interactive, Online Cases in Pediatric Genetics
Pedro Sanchez, School of Medicine, UCLA, Los Angeles, CA, USA
Coordinated Implementation of Neuroscience Technology Resources for Second-Year Medical Students
Kathryn L. Lovell and Mark W. Hodgins, Michigan State University, East Lansing, MI, USA
A Case-Based Learning Tool on the Web: Pediatric Clerkship
Chris Maloney, University of Utah and Primary Children's Medical Center, Salt Lake City, UT, USA
Putting Words into Action: Using Flash for Teaching
Carlos A. C. Baptista and Susan W. G. Batten, Medical College of Ohio, Toledo, OH, USA
Database-Driven Web Sites for Use in Medical Education: A Resource for Educators.
Michael S. Hansen, Kristoffer W. Larsen, and Jens Doerup, Section for Health Informatics, University of Aarhus, Denmark
Virtual Mouth Margareta Molin and Anders Backman, Faculty of Medicine and Odontology, Umea University, Sweden
*The Computer-Assisted Learning In Pediatrics Project (CLIPP): National Consensus and Development of a Comprehensive
Computer-Assisted Instruction Program.* Norman Berman and Leslie Fall, Dartmouth Medical School, Hanover, NH, USA
"Sobotta interaktiv": A Multimedia Study Program in German for Anatomy. Andrea Beilmann, Johann Greilich, Martina
Steinröder, Urban & Fischer Verlag GmbH & Co., Reinhard V. Putz, Munich, and Reinhard Pabst, Hannover,Ger.
Virtual Interactive Periodontology
Rolf Attstrøm, Centre for Oral Health Sciences, Malmø, Sweden and Anders Nattestad, University University of Copenhagen, DK
Metabolic Interrelationships, an Interactive Learning Tool for Biochemistry Education Mathijs Doets and Emely J. Spierenburg,
Institute of Education, J.F. Koster and A.J.M. Verhoeven, Erasmus University, Rotterdam, Netherlands
A Database-Driven Web-Based CME Module in Gastrointestinal Pathology
Jannie Woo, and Schuyler Sanderson, SUNY Upstate Medical University, Syracuse, NY, USA
HistoWeb: An Interactive Digital Lab Guide for Histology
Barry G. Timms, Division of Basic Biomedical Sciences, University of South Dakota, School of Medicine, SD, USA
Welcoming Fingerprints on the Screen: Demonstration of a Computer-Based Patient Education Program in Oncology
Joyce Nyhof-Young, Jennifer Jones, Audrey Friedman and Pamela Catton, University of Toronto, Canada

The Clinical Competency Exam: Performance-Based Examinations Using Computer Technology
Hurley Myers, Linda Morrison, and Tracy Lower, Southern Illinois University School of Medicine, Carbondale, IL, USA
Digital Slice of Brain: An Atlas of the Human Brain in Serial Sections Using Flash 5
Suzanne S. Stensaas, Larry J. Stensaas, Derek Cowan, and Valeri Craigle,Univ. of Utah, Salt Lake City, UT, USA
Neurology-, Surgery- and Headache-Interactive: An Aid for the Student in the Learning of Clinical Medicine
Christof J Daetwyler, AUM - IAWF, University of Berne, Switzerland
Case Tool: A Database-Driven, Web-Based Interface for Authoring and Presenting Case Simulations. Veronica E. Michaelsen,
John Jackson, and Haiyan He, University of Virginia Health System, Charlottesville, VA, USA
Demonstrations from the morning program by: James M. Duncan, Dennis E. Morse, Anthony J. Frisby, and Hurley Myers.

17:00-23:00   WELCOME DINNER   Thursday, August 2, 2001. Sign up when you register for the meeting.
    "Café Palmenhaus" on the castle grounds of Nymphenburg Park. Dress casually for a possibly cool evening.
17:00: hours: Shuttle bus service from Campus at Großhadern to Schlosscafé Palmenhaus at Nymphenburg Park. Those arriving
in Munich late can take a very nice 25 minute ride on Tramway line 16 or 17 from either Sendlinger Tor or Hauptbahnhof to stop
"Nymphenburger Schloss" or take the 17:00 special bus from the Anatomische Anstalt, **Pettenkoferstrasse 11**
17:30 – 19:00 hours: Time for sightseeing, a walk in the Nymphenburg Castle Grounds, or a cool drink
19:00 – 23:00 hours: Welcome Dinner at Schlosscafé Palmenhaus with drinks, buffet dinner and music

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FRIDAY, AUGUST 3, 2001: AUDITORIUM PROGRAM
Grosser Hörsaal, Anatomische Anstalt, Pettenkoferstrasse 11

8:30 a.m.   **KEYNOTE:** *Why just a Slice of Life, When You Can Have It ALL - In a Hologram!*
        Michael N. Dalton, Center for Advanced Medical Technologies, Univ. of Utah and Voxel, Inc., Salt Lake City, USA
9:15 a.m.   *NEUROsuite, A New Approach to Teaching and Learning Neuroanatomy*
        Till Hagemann, Sabine Nolte, and Martin Hirsch, interActive Systems GmbH, Marburg, Germany
9:30 a.m.   *Innovation with Technology: The National Capital Area Medical Simulation Center*
        Leon Moore, Gilbert Muniz, and Robert Williams, Uniformed Services University of the Health Sciences,
        Bethesda, USA
9:45 a.m.   *HaPerT - Handheld (PALM) Scoring of Performance Test (OSCE)*
        Michael Schmidts, Markus Kemmerling, Ruth Willnauer, and Martin Lischka, Institut für med. Aus- und
        Weiterbildung (Institute for Medical Education), Vienna, Austria

10:00 a.m.   *Coffee Break*

10:30 a.m.   *The First Three Years of Use of the CATHSIM™ in Health Education.*
        Virginia L. Barker, Plattsburgh State University of New York, NY, USA
10:45 a.m.   *HEAL: A National Multimedia Repository*
        Sharon Dennis, Sebastian Uijtdehaage, Chris Candler, Utah, UCLA, and Oklahoma, USA
10:55 a.m.   *Bristol BioMed: The Making of a Successful Biomedical Image Archive*
        Jill Evans, Institute for Learning and Research Technology, University of Bristol, UK
11:05 a.m.   *CardioOP-Data-Clas: A Meta-Thesaurus for Content Management and Meta-Authoring in Cardiac Surgery*
        Reinhard Friedl, Dept. Heart Surgery, University of Ulm, Germany, Melitta Preisack, University of Ulm, Dept.
        Cardiac Surgery, Germany; Wolfgang Klas, Dept. of Computer Science, Univ. Vienna, Austria; Thomas Rose,
        Research Institute for Applied Knowledge Processing, Ulm, Germany; Oliver Gödje, University of Ulm, Dept.
        Cardiac Surgery, Germany; Andreas Hannekum, University of Ulm, Dept. Cardiac Surgery, Germany
11:15.a.m.   *Discussion on Image Banking Presentations by: Sharon Dennis, Sebastian Uijtdehaage, Jill Evans, Reinhard*
        Friedl . Moderated by Suzanne Stensaas, University of Utah School of Medicine, Salt Lake City, UT, USA
11:30 .a.m.   *Computer Assisted Case-based Teaching: What is Unique about Mine? A moderated discussion with the*
        presenters of the Thursday demonstrations of case-based software with Veronica Michaelson, Hurley Myers,
        Norman Berman, Kathryn Lovell, Anju Relan, Robin Deterding and Sharon Dennis USA, Christof Daetwyler,
        Switzerland, Martin Dugas, Germany, Martin R. Fischer and Jens Riedel, Germany
12:20 p.m.   *Slice of Life Student Software Award Sponsored by Harcourt Health Science* Presented by Andrew Stevenson
12:30 p.m.   **LUNCH Anatomische Anstalt**

Please SET UP YOUR DEMONSTRATIONS and POSTERS between 1:00-2:00 p.m., 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 area even if not at their assigned location, so people can
talk to them. See final program for your day as some switching between Thursday and Friday may have occurred.
BREAKOUT SESSIONS: 1:00 - 2:00 PM
1:00 p.m.   *Using Cold Fusion with XML* Ken M. Williams, University of Arizona, Tucson, AZ, USA
1:00 p.m.   *Panel Discussion: Approaches and Methodologies of Open and Distance Learning in Dentistry*
        Nikos Mattheos, Martin Schittek, Klaus Maag, Anders Nattestad and Rolf Attstrom, Universities of Copenhagen,
        Malmoe, Munich
1:00 p.m.   *Animators Tricks and Troubles* Valeri Craigle, Carlos Baptista, Susan Batten, University of Utah and Medical,
        College of Ohio, Toledo, OH, USA
1:00 p.m.   *Multimedia Banking and Cataloging: Issues and Strategies* Sebastian Uijtdehaage , Reinhard Friedl, Jill Evans ,
        University of California Los Angeles, University of Ulm, Germany and University of Bristol, UK
1:00 p.m.   *Can We Take the Gross out of Anatomy and Make the Hologram The Virtual Cadaver?*
        Michael N. Dalton, Center for Advanced Medical Technologies, University of Utah, and Voxel, Inc.,Utah, USA

1:00 p.m.   *HTML Editors vs. WYSIWYGs (What You See is What You Get)*
           *S*usan Roberts, Knowledge Weavers, Spencer S. Eccles Health Sciences Library, University Utah, Salt Lake City,

1:00 p.m.   *Initiatives Related to e-Health Ethics: Quality and Quality Criteria for Medical Web Portals*
           Jens Doerup, Section for Health Informatics, University of Aarhus, Denmark

1:00 p.m.   *Problems Presented by Distance Education on the Web.* Andrew Booth, School of Biochemistry and Molecular
           Biology, University of Leeds, Leeds, UK

1:00 p.m.   *Instructional Design Ratings of Software: Can David Merrill's Principles be Applied to Medical Software?*
           Ina Treadwell, University of Pretoria, South Africa

FRIDAY, AUGUST 3, 2001

POSTERS AND ELECTRONIC POSTERS

Creation of a Database-Driven Web Site for QuickTime Streaming of Neurological Teaching Videos John C. Pearson, Gary L. Nieder, and Mark Anderson, Department of Anatomy and Interdisciplinary Teaching Lab, Wright State University, Dayton, OH, USA

An Integrated IT Program to Assist Students' Personal and Professional Development Whilst Simultaneously Developing Communications Competency. Glyn Brokensha, Medical Education Unit, Adelaide University, South Australia

PathoPic - An Image Database on the Web
Katharina Glatz and Dieter Glatz, Institut für Pathologie and Universitätsrechenzentrum,Basel, Switzerland

Biomedical Research Education & Training Web-Based Applications, Management, and Delivery
Chanchai McDonald and Roger Chalkley, Vanderbilt University, Nashville, TN, USA

Web-Based Case Simulations: Issues in Cognition and Development Anju Relan, PhD, UCLA, Los Angeles, CA, USA

The Concept of Using Electronic Education System in the Therapy of Arrhythmia Christina Ramon, N. Osada, B. Elbrecht, W. Köpcke, and W. Haverkamp, Dept. of Internal of Medicine C and Inst. of Informatics and Biomathematics, Univ. of Münster, Ger.

Real Learning in a Virtual World: A Prototype for The UltraSlide Studio, A Virtual Microscope Environment
Deborah Moulton, Carolynn Crouch, William G. Hendrickson, and Robert J. McAuley, Univ. of Illinois at Chicago, IL, USA

HaPerT - Handheld (PALM) Scoring of Performance Test (OSCE) Michael Schmidts, Markus Kemmerling, Ruth Willnauer, Martin Lischka, Institut für med. Aus- und Weiterbildung (Institute for Medical Education), Vienna, Austria

Clinical Reasoning or What's Going on in a Doctor's Brain? Ulrich Woermann, MD, Division for Instructional Media, University of Bern, Switzerland and Hurley Myers, PhD, Southern Illinois University School of Medicine Carbondale, IL, USA

Curriculum Information Systems as Planning Tools in Reform Paolo Petta, Patrick Merl, Christian Holzbaur, Robert Trappl, Richard Marz, Inst. of Medical Cybernetics and Artificial Intelligence and Inst. of, Medical Chemistry, Univ. of Vienna, Austria

Evolution of a Web-Based Baccalaureate Degree for Registered Nurses Linda M. Hennig, Univ. of Central Florida, Orlando, FL

The Medical PDA Initiative at the SimCenter Leon Moore and Gilbert Muniz, PhD., Uniformed Services University of the Health Sciences, National Capital Area Medical Simulation Center, Bethesda, MD

Tools and Templates for Health Sciences Education
Susan Roberts, Knowledge\e Weavers, Spencer S. Eccles Health Sciences Library, University of Utah, Salt Lake City, UT, USA

Learning to Look: Why do some of us learn to look at and understand visual information quickly and accurately and others do not? Alvin Telser, PhD and Smadar Kedar, PhD, Northwestern University Medical School, Chicago, IL, USA

ELECTRONIC DEMONSTRATIONS

Afternoon Demonstrations/Posters will also include presentations from the Friday and Saturday morning presentations by: Till Hagemann, Leon Moore, Michael Schmidts, Virginia Baker, Sharon Dennis, Jill Evans, and Reinhard Friedl, and Karen H. Dow. Please see their titles and abstracts in the morning program.

Interactive Peripheral Nervous System Courseware for the Internet Frank Reilly, Edwin Allen, Jeffrey Altemus, Lee brian Gaskins, West Virginia University School of Medicine, Morgantown, WVA, USA

Simulator on Heart Sounds Auscultation for Medical Students in Clinical Training
Michio Shiibasi, Ph.D. and Ryozo Ohno, M.D., Saitama Medical School, Japan

Clinical Anatomy – Reaching Family Physicians via CD-ROM and Electronic Mail J.M. Boon, J.H. Meiring, M.D. Scheepers, and H. Wolmarans, Universtiy of Pretoria and Dept of Telematic Education and Innovation, University of Pretoria, South Africa

Quick Tricks: Simple Approaches to Distributing Unique Teaching Resources. James L. Culberson, Frank Reilly, Jeffrey Altemus, Penprapa Klinkhachorn, Robert Pope and Richard Dey, West Virginia University, Morgantown, WV, USA

Web-Based Video/AudioClips, Produced at Modest Cost, To Enhance Recognition of Neurological Disorders by Preclinical Medical Students Robert H. Thalmann, Baylor College of Medicine, Houston, TX, USA

NeuroExam, Clinical "Dissection" of the Nervous System: An Internet-Accessible Tutorial for Medical Neuroscience
Paul D. Larsen, University of Nebraska, Omaha, Suzanne S. Stensaas, University of Utah, and Alejandro Stern, Buenos Aires

The Use of a CD-ROM to Teach/Learn Obstetrical Skills Ina Treadwell and Jenny Makin, Skills Laboratory, Faculty of Medicine, University of Pretoria, South Africa

CASK: a Clinically-Based Interactive Multi-Learning Approach to Anatomy Program. O.P. Gobée, A.C.G. Wenink, J.M. van Baalen, R.E. Poelmann, P.M., Bloemendaal, and A.C. Gittenberger-de Groot, Leiden Univ. Medical Center, Leiden, the Netherlands

Dysphonia Leif Akerlund, Lund University, Peter Kitzing, ENT Dept, Malmø University Hospital, Malmø, Sweden and Göran Petersson, Distansutbildningsmyndigheten, Härnösand, Sweden

Growth and Growth Disorders: An Interactive Learning Tool for Pediatrics Emely J. Spierenburg, Mathijs Doets, Sten Drop, Maarten Jansen, Cor van der Klauw, Jan W. Mettau, Faculty of Medicine, Erasmus University Rotterdam, the Netherlands

The Biology Project - New Directions Ken M. Williams, Dr. William J. Grimes, Dr. Richard B. Hallick, Jennifer Katcher, Madeleine LaPointe, Cheryl Ryan, and Michael Wagenheim, University of Arizona, Tucson, AZ, USA

Towards a Web Course in Neuroscience Michael D. Mann, University of Nebraska Medical Center, Omaha, NE, USA
Mrs. Fisher Tells Her Story: An Interactive Web-Based Learning Tool for History Taking and Case Reporting Writing Skills.
Joyce Nyhof-Young, John Bradley, Ronald Macdonald, Hance Clarke, and Errol Colak, University of Toronto, Canada
Histology: Outline and Atlas Hue-lee Kaung, PhD and Curtis Dutton, Case Western Reserve University, Cleveland,OH
Interactive Introductory Human Anatomy Course Gail Amort-Larson, University of Alberta, Edmonton, Alberta, Canada
Teaching Anatomy with Holograms and Computer-Based Simulations
Michael N. Dalton, Center for Advanced Medical Technologies, University of Utah and Voxel, Inc., Salt Lake City, UT
CD-ROM Courseware on the Physical Examination Ina Treadwell, Jenny Makin, Detlef Prozesky, and James Ker, Skills Laboratory
Faculty of Medicine, University of Pretoria, South Africa
First Experience With an Audience Response System in a Russian Medical School Oleg Medvedev, Alexey Prokhorov, Vjacheslav
Kilimnik, Stanislav Korukhov, and Natalia Medvedeva, School of Medicine, Moscow State University and St. Petersburg Academy
of Avionics, Russia
Online Knowledge Services in Medical Education: MDConsult and its Use by Medical Students
Caroline Hird and Andrew Stevenson, Harcourt HealthScience Europe.

ALERT: If your are going on the Grand Extravaganza BRING EVERYTHING YOU NEED FOR THE DAY

SATURDAY, AUGUST 4, 2001   AUDITORIUM PROGRAM -
Grosser Hörsaal, Anatomische Anstalt, Pettenkoferstrasse 11

8:30 a.m. **KEYNOTE:** *Real Learning in Virtual Environments? - Reflections, Apprehensions and Expectations.*
Dr Andrew G. Booth, Director Flexible Learning Development Unit, University of Leeds, UK

9:15 a.m. *Creative Strategies for Engaging Learners Through Online Dialogues.*
Denice Warren, University of Arizona, Tucson, AZ, USA

9:30 a.m. *The Use of Lotus Notes QuickPlace as a Web Development Tool: Reducing the Medical Educator's Reliance on IT Staff and Enhancing Faculty Autonomy* Craig W. Goodmurphy *et al.* St. George's University Medical,Granada

9:45 a.m. *Improving International Collaborative Computer Supported Learning of Community Health by Exploiting Socio-cultural and Economical Differences Between Countries* Bengt Kayser *et al.* University of Geneva and elsewhere

10:00 a.m. *Coffee Break*

10:30 a.m. *Introducing Research Principles and the Use of Computers into a Medical Curriculum* Robert Trappl, Richard Marz, Inst. Medical Cybernetics and Artificial Intelligence, Inst. Medical Chemistry, University of Vienna, Austria

10:45 a.m. *Continuous Medical Education with a Combination of Standardized Patients and a Computer-Based Training Programme in Musculoskeletal Diseases* Stefan Schewe, *et al.* Dept of Rheumatology, LMU Munich,Germany

11:00 a.m. *WebO.N.E. an International Cancer Education Program* Karen H. Dow, Univ. of Central Florida, Orlando

11:15 a.m. *Med-Voice* P. Langkafel, U. Arnold, A. Oehlsen, M. Vijande, LM Johannesen, H. Kamps, E. Ryen, S. Ritzenhoff, CharitÈ, Facility of Medicine, Humboldt- University of Berlin, Berlin Biomedical Exchange Office, Germany

11:30 a.m. *Upgrading a Third World Country Medical School for the New Millennium at the University of the Philippines* Emmanuel C. Besa, and Alvin Marcelo, University of the Philippines College of Medicine, Manila, P. I.

11:45 a.m. *Acknowledgements, Slice of Life/Computers in Health Care Education Workshop, 2002 and Logistics for the Grand Extravaganza* Martin Fischer, Marc Batschkus, Suzanne Stensaas

12:00 p.m. *Conclusion of Workshop and Symposium*

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12:15 p.m. *Buses leave from Pettenkoferstr. 11 (in front of the Anatomy Building)!Buses take those having purchased tickets for the* **Grand Extravaganza** *to* **Chiemsee.** *Lunch will be eaten on the bus. If you travel on your own and want to join the group the next meeting place will be at 2 pm at the pier in Gstadt for boat departure to Herrenchiemsee Island; next option for meeting is at 4:45 pm at the Klosterwirt Restaurant on Frauenchiemsee Island (50 m from pier – you cannot miss it). Take everything you will need for the afternoon, dinner and evening. The buses will be secure while you on the excursion. You will not return to the Inner City until late at night. Plan to depart Munich on Sunday. Bring some warm clothes as evenings can be cool.*

SATURDAY, AUGUST 4, 2001 The Traditional Grand Extravaganza goes to Chiemsee
An absolute must and really part of the Workshop.

A chance to discover Chiemsee, the "Bavarian Ocean" with the Herreninsel, an island with a Versailles-styled palace of King Ludwig II, and the Fraueninsel, an isle that was for more than a millennium the seat of a catholic monastery.
Cost $50 not included in registration. Please sign up for this when you **register** so meals and transportation can be arranged.

12:15 hours:	Departure from Downtown campus (Institute for Anatomy). Lunch on Bus. Bus transfer to Chiemsee.
14:00 hours:	Arrival at Gstadt/Chiemsee
14:15 hours:	Cruise to Herrenchiemsee Island (http://www.chiemsee-schifffahrt.de)
15:00 – 16:00 hours:	English Guided tour Castle Herrenchiemsee
16:00 – 16:15 hours:	Transfer to Frauenchiemsee island
16:15 – 17:00 hours:	Coffee break at "Klosterwirt"
17:00 – 18:30 hours:	Time for exploration of the monastery and the island
18:30 – 21:15 hours:	Bavarian Dinner at "Klosterwirt"
21:30	Transfer back to Gstadt, Arrival estimated at 23:30 hours

PERSONAL DATA – PLEASE TYPE OR REGISTER ONLINE http://www.slice.gsm.com/register.html

NAME *(Last Name, First Name)*	WORK PHONE
PROFESSIONAL AFFILIATION	FAX
MAILING ADDRESS (Number & Street)	
	E-MAIL:
CITY/COUNTRY STATE ZIP	HOME PHONE

Workshop Registration (Limited to 250)   *COST in US Dollars   DATE   FEE PAID*

	COST	DATE
Slice of Life Workshop *Until* May 31	$200	August 2-4
Slice of Life Workshop Student Rate *Until* May 31 (letter + stud. ID)	$ 65	August 2-4
Slice of Life Workshop *After* June 1	$250	August 2-4
Welcome Dinner, Café Palmenhaus, Nymphenburg Park must pre-register	$10	August 2
Welcome Dinner, Guest Tickets must pre-register	$25	August 2
The Grand Extravaganza Chiemsee must pre-register	$50	August 4

Pre-workshops Registration   *Conf. Registrants/Non Registrants*

	Cost	Date
Digital Images for Teaching (Doerup)	$75/$105	July 31 all day
Intro to ASP: Building Web Applications (Dennis)	$75/105	July 31 all day
Creating Teaching Cases with CASUS (Aulinger)	$75/105	July 31 all day
Streaming Digital Media (Burrows)	$40/$60	July 31 a.m.
WebOL for Courseware, Tutorials and Assessment (Harper)	$40/$60	July 31 a.m.
Internet Security (Dolle)	$40/$60	July 31 a.m.
QuickTime as an Authoring Tool (Burrows)	$35/$55	July 31 p.m.
Splines to Spines: 3D Modeling (Kramer)	$35/$55	July 31 p.m.
Flash 5.0 for Beginners (Baptista)	$40/$60	August 1 a.m..
Choosing a Personal Digital Assistant (PDA) (Trelease)	$40/$60	August 1 a.m.
Using Computers to Prepare for the Clinic (Daetwyler)	$40/$60	August 1 a.m.
Computer AdaptiveTesting (Rathe)	$40/$60	August 1 a.m.
Docs 'n Drugs: A Case Authoring System (Pietzcker, in German)	$40/$60	August 1 a.m.
Simulations for Physiology Education (Busch)	$40/$60	August 1 a.m.
PHP4 (Schacht Hansen)	$75/$105	August 1 all day
Information Design in Healthcare (Cole)	$35/$55	August 1 p.m.
QuickTime Tracks and Wired Sprites (Nieder)	$35/$55	August 1 p.m.
PDAs for Teaching Clinical Medicine (Klioze)	$35/$55	August 1 p.m
SMIL: Synchronized Web Multimedia (Uijtdehaage)	$35/$55	August 1 p.m.
Intermediate Flash 5.0 (Baptista)	$35/$55	August 1 p.m.

PAYMENT   *U.S. dollars*   *TOTAL FEES PAID $*

o Check or Money Order *(Make checks payable to: Gold Standard Multimedia)*   o Visa   o Mastercard   o American Express

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CANCELLATION POLICY:
Cancellations accepted through July13; a $50 administrative fee will be retained for cancellations.

CALL FOR SUBMISSIONS FOR THE SLICE OF LIFE 12TH ANNUAL $1000 STUDENT SOFTWARE AWARD
Deadline is JULY 15, 2001. 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 land be in any language. Submission form is on the Web site. **Mail to :** Suzanne S. Stensaas PhD, Eccles Health Sciences Library, *10*