

PRE-CONFERENCE WORKSHOPS

The half-day workshop fee is \$60 (\$65 if paid after March 1, 2011) and the full-day workshop fee is \$100 (\$110 if paid after March 1, 2011). Pre-conference workshop registration is available only online at www.macul.org.

SIGCS 1: Introduction to Robotics Teacher Workshop

8:30 AM – 4:30 PM • Pierce Middle School

Bonnie Middeldorf, Lego Education Consultant and Retired Teacher, Grosse Pointe Public Schools

Since you are reading this description you are either an owner of a Lego NXT robotics kit or are interested in the robotics kit and what can be done with it. The Lego Mindstorms Education set, software, and activities that will be shared during this workshop will train you to use these powerful tools to convert your classroom into a hands-on robotics laboratory. You will program real-life mechanisms with sensors for sensing and controlling and use creative logic and problem solving skills to meet challenges while targeting necessary science, technology, engineering, and math STEM concepts. Don't miss this hands-on workshop which is guaranteed to impact learning in your classroom.

SIGCS 2: Intro to Python Programming

8:30 AM – 12:00 PM • Wayne State

Pamela Moore, Instructor, and Zenia Bahorski, Assistant Professor, Eastern Michigan University

One of the new programming languages sweeping both education and practice is Python. This language is very intuitive while still being quite powerful. Python would be the perfect vehicle to teach programming in the secondary school before tackling Java. It has the added advantage of being freely available for both Mac and PC platforms. This session will instruct participants in how to create Python programs that can be used for general programming and scripting. Participants will receive a flash drive with all needed files pre-loaded. The course presupposes no familiarity with programming, but it would be helpful.

SIGCS 3: Graphical Java Programming

1:00 – 4:30 PM • Wayne State

Matt Evett, Professor, Eastern Michigan University

Today's students have grown up in the graphics-rich environment of the web. Many students find old-fashioned, text-based programming exercises to be boring. This session will instruct participants in how to create Java programs that generate exciting graphical output and that provide a graphical user interface (GUI) using components such as buttons, scroll bars, text boxes, etc. We will cover the event-driven programming paradigm, explore graphical primitives (drawing lines, circles, rectangles, etc.), and finish with the creation of an applet featuring a GUI-controlled animation. The course presupposes familiarity with basic Java concepts such as methods, classes, and instance data, and how to compile and execute Java programs.

SIGEE 1: Glogster: Poster Yourself—Mix Images, Text, Music, and Video

8:30 AM – 12:00 PM • Cobo Center

Emma Haygood and Kimberly Sotnyk, Teachers, Berrien Springs Public Schools

Do your students complete really amazing projects that deserve to be remembered long after you pass them back? Do you wish there was a way to document what your students have accomplished, complete with text, pictures, video, and reflections? Our session will focus on one team's use of Glogster to do just that. We will concentrate on the process of gathering information and resources, as well as the nuts-and-bolts of putting it all together. With Glogster your projects are just the beginning!

SIGEE 2: Google's Tools for Search, Research, and Collaboration

1:00 – 4:30 PM • Cobo Center

Rushton Hurley, Executive Director, Next Vista for Learning

Google offers all sorts of resources for teachers for learning. Come learn how to save time with advanced search, collaborate using Docs and Sites, work with Maps across the curriculum, and much more. If you know how to turn on a computer, save a file, and get into your Gmail account (sign up for one at gmail.com if you don't have one), then you have all you need for this workshop.

SIGMM 1: Video in the Classroom

8:30 AM – 4:30 PM • Cobo Center

Lisa Wickman, Technology Specialist, Haslett Public Schools; Melinda Waffle, Educational Technology Consultant, Calhoun ISD; and Michael Partridge, Integration Specialist, Pinckney Public School District

Video is memorable. It motivates. It inspires! Spend a day learning how video can enhance your lessons and change how your students view assignments. Bring any gadgets you have: digital cameras, Flipcams, iPhones, laptops, etc. Some Flipcams will be available for your use as well. Our morning will be devoted to viewing best practice examples and capturing videos and images. Once you've got some video, how will you use it? In the afternoon, you'll learn editing tips and tricks. Learn the simple ways to make great videos that communicate powerfully. We'll spend time on tools for editing, some online options for creation, and tips for sharing/publishing your final product. Door prizes and a box lunch will be provided.

SIGMM 2: Photoshop Elements

8:30 AM – 12:00 PM • Cobo Center

Leslie Fisher, Director, lesliefisher.com

Some people do not know that Photoshop Elements is an easier-to-use scaled down version of Photoshop that costs considerably less. Learn how you can use Elements to enhance text and photos with built-in layer styles and fix common photograph problems like poor color, lightness/darkness, and red eye. You will also see how Elements can create a photomerge and prepare photo proof sheets for easy printing. We will conclude the class showing off and learning about some of the new features in Elements version 9.

SIGMM 3: Adobe Premiere Elements

1:00 – 4:30 PM • Cobo Center

Leslie Fisher, Director, lesliefisher.com

Now out for the Macintosh as well as Windows! Have you been looking for way cool easy video creation? If so, take a look at Premiere Elements. This class will start off talking about the basics of capturing quality video. We will then use Premiere Elements to create a video file with slick transitions, text effects, sound tracks, narration, and more! If you are familiar with layers in Photoshop you will love the ease of use of Premiere Elements! The class will conclude with a discussion on how to output your project to the web, DVD, or computer.

SIGOL 1: Learning Activities in 6-12 Using Student Cell Phones

8:30 AM – 12:00 PM • Cobo Center

Liz Kolb, Lecturer and Adjunct Professor, University of Michigan

If you are curious about or have decided to try using student cell phones in your classroom and are looking for some engaging, free, and easy ways to integrate the tools, then this is the session for you! Liz Kolb will guide participants through several different projects that integrate just about any student cell phone (basic or Smartphone) into classroom learning, including the set up of the activities and how to prepare your students for participating in the activities. Lesson plans will be provided along with access to video tutorials. The activities are flexible and can work with any subject area. Bring your cell phone and come ready to be mobile!

SIGOL 2: Text Messaging Safely and Appropriately Within Classroom Learning

1:00 – 4:30 PM • Cobo Center

Liz Kolb, Lecturer and Adjunct Professor, University of Michigan

Learn how educators are using student cell phones to integrate text messaging into their teaching and learning. Lesson examples for text message student communication and management as well as curricula integration will be included. Lessons for integration will focus on all content areas of middle and high school students but could be easily adapted for upper elementary. In addition, lesson ideas for teaching mobile safety will be demonstrated. Bring your cell phone and be ready to text and learn!

SIGPL 1: Creating Your Digital Writing Workshop - CANCELLED

8:30 AM – 4:30 PM • Wayne State University

Troy Hicks, Central Michigan University

What does technology integration look like in writing classrooms? Troy Hicks, author of *The Digital Writing Workshop*, will invite you into the process of digital writing, both as writers and teachers of writing. Explore how established practices in the writing workshop approach can be adapted with digital writing tools. Participants will create wiki pages they can use in their classroom, in addition to seeing examples of digital writing from a variety of classrooms. Lunch will be provided, as will a copy of *The Digital Writing Workshop*.

SIGPL 2: Project-Based Learning in the Cloud

8:30 AM – 12:00 PM • Wayne State University

Stephen Best, Project Director for Professional Development and Outreach, University of Michigan

Project Based Learning (PBL) can provide an engaging experience for students to learn. But, these efforts also focus on different skills and needs than more traditional learning, including collaboration, time management, and inquiry practices. There are a number of cloud-computing tools that can support these needs. During this session, we'll take a hands-on approach to explore a number of these tools and see how they fit into the PBL process, and how to use these to manage the project. Whether you are coming to learn about project based learning, or learn about these online tools, we'll take you from concept to plan to project.

SIGPL 3: iTeach—Using iPods/iPads in the Classroom: FULL

1:00 – 4:30 PM • Wayne State University

Stephen Best, Project Director for Professional Development and Outreach, University of Michigan

It's not just an entertainment device or phone – the iPod/iPad has more power and functionality than many computers in your school! This workshop will provide an overview of how the iPod and iPad can be used as teaching and learning tools. We'll look at a variety of applications, along with strategies for how teachers can use these devices to be more knowledgeable and productive for their own work, and how they can use these with students to support learning.

SIGPL 4: Introduction to Camtasia

8:30 AM – 12:00 PM • Wayne State University

Scott Schopieray, Director of Educational Technology, and Guy Larcom, Student, Michigan State University

This workshop will introduce participants to Camtasia Studio. Participants will learn to use the software to create screen recordings, make basic edits to their screencasts, and produce the screencasts for use on the web. This workshop is designed for those who have little or no experience using Camtasia Studio. We will include resources and a drawing for door prizes, including licenses for Camtasia Studio.

SIGPL 5: Using Camtasia Studio to Support Blended and Online Learning

1:00 – 4:30 PM • Wayne State University

Scott Schopieray, Director of Educational Technology, and Guy Larcom, Student, Michigan State University

This workshop will focus on using Camtasia Studio to support your blended and online learning initiatives. Participants will learn how Camtasia can be used to offer blended and online professional development sessions for colleagues, coursework for your students, and support documentation. This workshop is designed for those who are comfortable creating basic screencasts (including participants from our "Introduction to Camtasia" workshop in the morning) and are interested in integrating Camtasia screencasts in their instruction or professional development work. We will include resources and a drawing for door prizes, including licenses for Camtasia Studio.

SIGPL 6: Data for Student Success: Data Mining Strategies to Inform Instruction

8:30 AM – 12:00 PM • Wayne State University

Maureen Slamer, Director of Professional Development, Data for Student Success, and Tim Hall, School Data Consultant, Calhoun ISD

What tools are available to educators? How can the Data for Student Success inquiry tools and professional development resources be used to support instructional decisions? During this session, participants will explore the Data4StudentSuccess Inquiry tools in a hands-on environment to see how they can be used to identify student-centered learning issues and inform instructional decisions.

SIGPL 7: Advanced Features of Camtasia

1:00 – 4:30 PM • Wayne State University

Brandon Blinkenberg, Michigan State University

This workshop picks up where our “Introduction to Camtasia” workshop and past workshops left off. We will cover some of the more advanced editing and production features of Camtasia, including custom callouts, captioning, flash quizzes, and the Camtasia Theater and Menu options. This workshop is designed for those who are comfortable creating basic screencasts with Camtasia Studio and wish to expand their skill set. We will include resources and a drawing for door prizes, including licenses for Camtasia Studio.

SIGSPED 1: What You Always Wanted to Know About Google Docs for Developing Assistive and Universally Designed Instruction, but Were Afraid to Ask!

8:30 AM – 12:00 PM • Cobo Center

Kit Hard, Teacher Consultant for Technology Integration, Academic Transitional Academy of St. Clair County

Who wants to learn how to save time and increase student learning to teach all children effectively, even those struggling students? Are you familiar with some free 21st century tools to enhance your lessons? Google Docs is an online office productivity suite that allows you to edit, view, and share your documents online from any Internet-connected device. In this hands-on session you will learn about the advantages of creating and having 24/7 access to your documents, auto save, real time collaboration with multiple editors or viewers, and ways to support all learners with Universally Designed instruction. Solves the what to do on Monday problem and engages all learners!

SIGSPED 2: Engage All Students Using UDL and Digital Backpacks in STEM Education

1:00 – 4:30 PM • Cobo Center

James Basham, Special Education and Instructional Design & Technology, FUSION STEM Research and Outreach Center, University of Cincinnati

Digital Backpacks provide a Universal Design for Learning (UDL) based solution for engaging all students in Science, Technology, Engineering and Mathematics (STEM). Participants will engage in a digital backpack experience and learn how to design their own Digital Backpacks.

SIGTC 1: Security/Disaster Recovery (MSBO STM required course)

8:30 AM – 12:00 PM • Cobo Center

Jim Rarus, Manager, Network & Security Services, and Kathy Jones, Director, Computer Services, Wayne County RESA; and Jeff Trudell, Technology Director, Wyandotte Public Schools

This two-part course will provide an overview of security best practices at the network, server, and workstation levels. The security practices covered can be applied to all flavors of network architecture, including Windows, Novell, and Linux. The second section will provide information on creating and implementing a disaster recovery plan for your district.

SIGTC 2: Student Services Software Applications in Education (STM Certification path required course)

1:00 – 4:30 PM • Cobo Center

Kristina Martin, Director, Management Technology, Macomb ISD

This session will cover what student data points are collected and how they are used by both internal and external customers from a technology director's perspective. Some of the topics the program will encompass are the various data points required (e.g., attendance, pupil accounting, discipline, tardy, scheduling, immunization, and special education), and internal and external data submission and reporting requirements. The presentation will also review the attributes required of a comprehensive student management information system including both a centralized and decentralized approach. Quality data and data warehousing will also be discussed.

SIGTC 3: Androids in Education

1:00 – 4:30 PM • Cobo Center

Jeff Trudell, Director of Technology, Wyandotte Public Schools

Google's Android based devices are showing promise in schools to replace books with eBooks, computers with tablets, and 30-pound backpacks with an Android weighing less than 3 pounds. Come join us as we demonstrate the latest Android technology and share many Android applications that will change education as we know it. If you have an Android device, bring it along!

SIGTC & SIGTECH: How Information Is Changing Learning

8:30 AM – 12:00 PM • Cobo Center

Adam Garry, Manager, Global Professional Learning Strategy, Dell

Today's learners have access to information that has never been available to any generation. How do we ensure that they access and use this information in a way that prepares them to be competitive in a global world? Join a discussion around how information is changing learning. The discussion will help define the necessary 21st century skills, paint a picture of 21st century learners, and begin to discuss some tools that these students are using to learn in a very complex world. Are you ready to redefine or reassess your learning environment?

SIGTECH 1: Going Beyond Documents and Spreadsheets

8:30 AM – 12:00 PM • Cobo Center

Rich Seymore, Account Technology Strategist, Microsoft Education

We will take a tour and explore an integrated set of information tools. This session will show how to use Office productivity tools to make information and data more useable, flexible, available, and valuable. Let's find out how to be more agile and efficient while collaborating with students, faculty, parents, friends, etc. We'll take a look at the capabilities within Office 2010, Windows 7, and Live@EDU.

SIGTECH 2: Deployment as a Strategy

1:00 – 4:30 PM • Cobo Center

Rich Seymore, Account Technology Strategist, Microsoft Education

Building and managing Desktop images is only part of the plan. The days of a dozen enormous images is slowly coming to an end. We will look at current solutions for creating images and deploying and managing operating systems, applications, services, and updates. Virtualization at the desktop is changing the game in a large way. Application, Presentation, and Desktop virtualization must be considered and integrated into most desktop deployment strategies. And what does Cloud computing have to do with deployment? This session is intended for IT professionals and will look at tools and solutions for a comprehensive deployment strategy. (SCCM, SCVMM, WDS, MDT, APP-V, RDS, Hyper-V)

SIGTECH 3: Interactive Classroom Technology: What's the Use? (Grades PreK-6)

8:30 AM – 12:00 PM • Cobo Center

Melissa White, Director, REMC 13 and Instructional Technology, Ingham ISD

Turn your classroom into an interactive learning experience. You will differentiate using a wide array of equipment and materials in a hands-on classroom which has it all! Walk away with new ideas, new lessons, and some great Internet sites to use with your students. We will provide learning experiences tailored to individual students by using interactive whiteboards, one-to-one computing, document cameras, screen casting, and more. This session is designed for pre-K to sixth grade. Bring your own laptop, headphone/mic if possible.

SIGTECH 4: Interactive Classroom Technology: What's the Use? (Grades 7-12)

1:00 – 4:30 PM • Cobo Center

Melissa White, Director, REMC 13 and Instructional Technology, Ingham ISD

Turn your classroom into an interactive learning experience. You will differentiate using a wide array of equipment and materials in a hands-on classroom which has it all! Walk away with new ideas, new lessons, and some great Internet sites to use with your students. We will provide learning experiences tailored to individual students by using interactive whiteboards, one-to-one computing, document cameras, screen casting, and more. This session is designed for grades 7-12. Bring your own laptop, headphone/mic if possible.

SIGWEB 1: Hot Off the Press! Self-Host Your Own WordPress Blog

8:30 AM – 4:30 PM • Cobo Center

Kelly Kermode, Learning Consultant, Forest Hills Public Schools, and Ben Rimes, Ed Tech Coordinator, Mattawan Consolidated School

Do you have experience using Blogger or Edublogs? Have you ever wanted to have your own personal website? Would you like to choose your own domain name? Want to learn how to install WordPress on your own web server and alter it to your liking? Integrate Facebook, Twitter, Readers and RSS feeds to instantly add content to your website? Learn how to set up your own website from start to finish? We'll take you through the process of working with a website from the behind-the-scenes control panel to publishing content using the most popular content management software in the world, WordPress. Along the way you'll learn the technical side of managing a website. Participants will get their own domain name. Take control of your web space and come to the session!

SIGWEB 2: Ruby on Rails for Dummies

8:30 AM – 4:30 PM • Cobo Center

Jeff Kupperman, Associate Professor, University of Michigan-Flint, and Project Director, Interactive Communications and Simulations Group, University of Michigan

Want to create your own social network from scratch? Develop a website to help analyze data within your district? Or perhaps you're just looking to create your own version of YouTube? Unleash your inner geek with this full-day session on using one of the most powerful open source tools available for creating your own database-driven websites from scratch. We will go through the basics of coding with Ruby on Rails and getting a handle on this powerful rapid development framework for web application creation. This session is for advanced users; you should have basic familiarity with database software, elementary unix commands, remote server access, HTML, and text editing software. Participants should bring a laptop with the following software: 1.) A text editor capable of SFTP (e.g. for Mac: TextWrangler; for Windows: Komodo Edit or UltraEdit); 2.) A terminal program (Mac: Terminal; Windows: Putty or similar); 3.) A MySQL database browser (e.g., for Mac: SequelPro; for Windows: Navicat Lite)