

## PRE-CONFERENCE WORKSHOPS

**The half-day workshop fee is \$60 (\$65 if paid after February 29, 2012) and the full-day workshop fee is \$100 (\$110 if paid after February 29, 2012). Pre-conference workshop registration is available only online at [www.macul.org](http://www.macul.org).**

### **SIGCS 1: Python Programming**

**8:30 AM – 12:00 PM • DeVos Place**

*Pamela Moore, Instructor, 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 is 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 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 workshop presupposes no familiarity with programming, but it would be helpful.

### **SIGCS 2: Graphical Java Programming**

**1:00 – 4:30 PM • DeVos Place**

*Susan Haynes, Professor, Eastern Michigan University*

Today's students have grown up in the graphics-rich environment of the web. Many students find text-based programming exercises boring. This session will instruct how to create Java programs that generate exciting graphical output and provide a graphical user interface (GUI) using buttons, scroll bars, and text boxes. We will cover the event-driven programming paradigm, explore graphical primitives (drawing lines, circles, rectangles), and create 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.

### **SIGCS 3: Scratch Purposeful/Accidental Computing Edification (SPACE)**

**1:00 – 4:30 PM • DeVos Place**

*Barry Webster, Computer Science Head, Detroit Country Day School*

The session discusses developing Scratch constructs and purposeful computer science (CS) activities and concepts. Included are ways to help you and your students have an enjoyable introduction to programming through Scratch, produce multimedia through programming, and experience CS concepts. We want students to identify reasons CS is important to learn, and have early and continued success with CS. The session is computing edification for middle school and high school educators (and others). Bring your own computer, with Scratch installed (<http://scratch.mit.edu>).

### **SIGEE 1: Get Started with the Excitement of Challenge-Based Learning**

**8:30 AM – 12:00 PM • DeVos Place**

*Andy Losik, Elementary Infotech Teacher, Hamilton Community Schools*

challenge-Based Learning is an engaging multidisciplinary approach to teaching and learning that encourages students to leverage the technology they use in their daily lives to solve real-world problems. Join former MACUL Outstanding Technology-Using

Teacher and Apple Distinguished Educator Andy Losik for a getting started guide to implementing CBL in your classroom.

### **SIGEE 2: Making iPad Apps Work in the Elementary Classroom**

**1:00 – 4:30 PM • DeVos Place**

*Mary Phillips, Elementary Technology and Media Literacy, Battle Creek Public Schools*

There are hundreds of thousands of educational apps available for the iPad. The trick is often finding the one that makes your curriculum rock. Mary Phillips and Carole Kammerman will guide you through the jungle that is the App Store and show you ways to engage students like never before.

### **SIGEE 3: Using iLife in the Elementary Classroom**

**1:00 – 4:30 PM • DeVos Place**

*Gabriella Meyers, Media Specialist / Guest Lecturer, Utica Community Schools / Oakland University, and Cheryl Boes, Media Specialist, Utica Community Schools*

Explore creative ways that iPhoto, iMovie, and GarageBand can be integrated seamlessly into any classroom. iLife enhances curriculum and gives students an outlet to represent their learning in meaningful ways. Learn about podcasts, movies, photo books, and more that can be implemented in your classroom easily and provide effective alternative assessment options.

### **SIGMM 1: Adobe PhotoShop Elements**

**8:30 AM – 4:30 PM • DeVos Place**

*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 learning about some of the new features in Elements version 9.

### **SIGMM 2: Video in the Classroom**

**8:30 AM – 4:30 PM • DeVos Place**

*Lisa Wickman, Technology Specialist, Haslett Public Schools; Melinda Waffle, Educational Technology Consultant, Calhoun Intermediate School District; 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.

### **SIGOL 1: Meet Moodle!**

**8:30 AM – 12:00 PM • DeVos Place**

*Anne Thorp, REMC7 Director, Instructional Technologist, Certified Moodle Instructor and Administrator and Course Designer, Ottawa Area ISD*

Are you new to “Moodling?” Moodle is a free online course management system that allows users to interact with materials, instructors, and course participants. From discussion forums to quizzes, and assignments to wikis, Moodle has it all. This session is for beginning Moodlers who want to start their own course from scratch. We will complete an overview of Moodle and course design as well as some of the commonly used Moodle tools. This hands-on session will get you started on creating a basic course in which you can enroll students immediately. *Beginning Moodlers must have their own Moodle course in which they are the instructor to participate in this workshop.*

### **SIGOL 2: Advancing Your Moodle Course to Meet the Multiple Needs of Learners**

**1:00 – 4:30 PM • DeVos Place**

*Anne Thorp, REMC7 Director, Instructional Technologist, Certified Moodle Instructor and Administrator and Course Designer, Ottawa Area ISD*

If you have used Moodle with your students, but are ready to move on to more advanced implementation, this session is for you! Come learn new ways to use Moodle elements to meet the multiple learning needs of your students. Integrating forums, assignments, a quiz, even glossaries are effective ways to guide learners to meet your teaching goals. This session will include hands-on creation using the tools mentioned above designed to meet the needs of multiple learners in your classroom, blended or fully online. *Intermediate and beyond Moodlers must have been teaching using their own Moodle course to participate in the workshop.*

### **SIGOL 3: iPad Screencasting Fun!**

**1:00 – 4:30 PM • Grand Valley State University**

*Carolyn McCarthy, Educational Technology Consultant, Shiawassee RESD*

Participants will be innovative and create one or more screencasts or tutorials using their iPad2. We will be using apps (such as VoiceThread, Explain Everything, ScreenChomp, ShowMe, etc). BYOI2: Participants must bring their own iPad2, content, materials or props, and ideas for having a ton of fun learning and creating the tutorial of your choice. Bring a headset with mic if possible to capture your voice instead of 20 others in the room. We will work at a pace comfortable to your learning style! A notice on the apps to download will be emailed a week in advance to those registered.

### **SIGPL 1: So You've Bought Some iPads for Your School...Now What?**

**8:30 AM – 12:00 PM • Grand Valley State University**

*Stephen Best, Director, Professional Development Programs, University of Michigan*

A lot of schools are exploring the use of these amazing tools for teaching and learning, but how can you make the most of this? Don't just trust that if you buy them, you'll figure out what to do – you should have a plan for implementation that can provide you with the best impact for teachers and students, and have some ideas about the professional development, curriculum integration, policy, technical support, setup, use of apps, and evaluation of these devices before they show up. If you are considering getting some iPads to try in your school, or you have already purchased some to try out different ideas for teachers or students, attend this session to get the best sense of what to do. We'll address every aspect of these devices, and how you can better implement iPads in an effective manner in your schools.. Please visit <http://sigpl.org> for more information about this workshop.

### **SIGPL 2: iPD: Creating a Professional Development Program for iPads, iPods, and Other Portable Technologies**

**1:00 – 4:30 PM ▪ Grand Valley State University**

*Stephen Best, Director, Professional Development Programs, University of Michigan*

iPads, tablets, and cellphones are the next platform of computing, but how do we effectively use these tools in schools? Whether you are personally on the cutting edge using these tools in your classroom, or if your school is taking a “wait and see” approach, you need to start thinking of how to effectively use these tools to support learning. We’ll look at the one thing that research suggests is most effective in implementing technology to support learning: professional development. We’ll see how you can create a comprehensive PD program using workshops, learning communities, online PD, and curriculum development to create an effective program for implementing portable technologies into learning. Please visit <http://sigpl.org> for more information about this workshop.

**SIGPL 3: Introduction to Camtasia Studio: Creating Video Tutorials to Support Learning**

**8:30 AM – 12:00 PM ▪ Grand Valley State University**

*Terri Gustafson, Assistant Director, Center for Teaching and Technology, Michigan State University*

This workshop will introduce participants to Camtasia Studio, a software tool for creating video tutorials and presentations. Participants will learn to use this software to create screen recordings, make basic edits to these screencasts, and produce screencasts for use on the web. The workshop is designed for people who have little or no experience with Camtasia or Camtasia Studio. Access to online resources will be provided. Prize drawings including licenses for Camtasia Studio. Please visit <http://sigpl.org> for more information about this workshop.

**SIGPL 4: Advanced Tools and Strategies for Camtasia Studio**

**1:00 – 4:30 PM ▪ Grand Valley State University**

*Terri Gustafson, Assistant Director, Center for Teaching and Technology, Michigan State University*

This workshop will address some of the more advanced editing and production features of Camtasia Studio, including custom callouts, captioning, flash quizzes, Camtasia Theater and Menu options. In addition, we will address the creation and use of tutorials for blended and online learning using Camtasia, along with pedagogical strategies for using screencasts created with Camtasia to “flip the classroom” or create a comprehensive tutorial library for software and online tools for your class, school, or district. We will include resources and access to online tutorials on this software, as well as prize drawings, including Camtasia Studio licenses. Please visit <http://sigpl.org> for more information about this workshop.

**SIGPL 5: Creating iPad/iPhone-Based Mobile Tours with TourGuide**

**8:30 AM – 12:00 PM ▪ Grand Valley State University**

*Scott Schopieray, Director of Academic Technology, Michigan State University*

Imagine creating your own IOS-based tour to accompany your next field trip! This session will engage participants in creating mobile tours on their Apple mobile devices using TourGuide, a tour creation application focused on teaching and learning. Participants will learn about TourGuide and mobile tour-based pedagogy, then have an opportunity to create their own tours in one of Grand Rapids’ museums. Please visit <http://sigpl.org> for more information about this workshop.

### **SIGPL 6: Writing Basic Applications for Mobile Devices**

**1:00 – 4:30 PM • Grand Valley State University**

*Scott Schopieray, Director of Academic Technology, Michigan State University*

Have you ever wanted to create your own mobile application for your schools or classroom? Participants in this session will learn how they can create basic mobile applications for use on iOS, Android, and other devices. We will focus on creating two applications together and then spend time starting to work on your own application. Because this process requires some coding, prior experience with HTML/CSS is required. Please visit <http://sigpl.org> for more information about this workshop.

### **SIGPL 7: Edtech Professional Development for your School/District – Free Resources**

**8:30 AM – 12:00 PM • Grand Valley State University**

*Carolyn McCarthy, Educational Technology Consultant, Shiawassee RESD*

Participants will explore the 21things4teachers.net PD resources which are aligned to the NETS-T standards. Explore various options for using these resources to stimulate professional development in your district. Experience and learn about using Adobe Connect (state pricing) to support and promote learning and extend professional development (flipping your PD). Bonus: Participants will also learn about using the 21things4students project-based resources and PD targeting administrators. Bring a headset with mic if possible for the full Connect experience. We will work at a pace comfortable to your learning style! Please visit <http://sigpl.org> for more information about this workshop.

### **SIGSPED 1: iPad in the Special Needs Classroom**

**8:30 AM – 12:00 PM • DeVos Place**

*Mark Coppin, Director of Assistive Technology and IT, Anne Carlsen Center, Jamestown, ND*

The iPad and iPod touch open up a world of opportunities in assistive technology (AT) with their brilliant graphics, great audio, multi-touch interface and third party apps. Applications designed specifically for special learners' use on the iPad and iPod are rapidly growing and many of the non-AT applications can also be useful to people with disabilities. This session will start with basic device operation and built-in applications including accessibility features. Participants will review apps for communication, sign language, planning/organization, storytelling, reading/writing and more. Come and learn how these devices can make a difference. BYOD. See SIG SPED website for additional information.

### **SIGSPED 2: Creating Accessible ePub Documents for the iPad**

**1:00 – 4:30 PM • DeVos Place**

*Mark Coppin, Director of Assistive Technology and IT, Anne Carlsen Center, Jamestown, ND*

This session covers creating accessible books and documents for the iPad. Participants will be guided through the step-by-step process for authoring their own ePub documents and discuss strategies and practices for making materials accessible. In addition participants will explore apps available for the iPod touch and iPad used to create visual stories. Visual stories can increase independence for non-readers, and provide

personalized, portable literacy experiences. Attendees will also learn about features to consider when purchasing these apps. BYOD. See SIG SPED website for additional information.

### **SIGSPED 3: iPad: Supporting All Learners**

**1:00 – 4:30 PM • DeVos Place**

*Joanna Montgomery, Education Development Executive, Apple, Inc.*

We will acquaint participants with the use of iPod touch, iPhones, and iPads within the educational environment to support the success of all students. Distinguishing features of these mobile devices will be highlighted and accessibility features demonstrated. Apps that address reading, writing, math, and/or other content areas will be presented along with apps that facilitate communication for students with special learning needs. These devices are readily available, and in fact, many students already own at least one. Resources for teachers to learn more about solutions available to their students will be shared. We will have devices on hand, making this a great beginner's session. See SIG SPED website for additional information.

### **SIGTC 1: Technology Policies (MSBO Required STM Course)**

**8:30 AM – 12:00 PM • DeVos Place**

*Pete Lopez, Director of Technology and Student Accounting, Crestwood*

An overview of the policies and procedures that should be in place, including: Acceptable Use Policies (AUP), network policies, e-mails, filtering of network, listserves, laptops, copyright, licensing, and software selection policies. The program will also cover asset management, Web publishing, and the Children's Internet Protection Act (CIPA).

### **SIGTC 2: Working With Contractors (MSBO Required STM course)**

**1:00 – 4:30 PM • DeVos Place**

*Paul Twigg, Director of Technology Services, Barton Malow*

This session will cover the logistics of integrating technology into a learning environment and creating a school that is student centered and teacher friendly. An overview of the Michigan laws, bidding requirements, electrical and construction codes, plan review requirements, and practical implications of working with contractors on technology integration projects will also be discussed.

### **SIGTC 3: iOS for IT**

**1:00 – 4:30 PM • DeVos Place**

*Calvin Clark and David Pugh, Senior System Engineers, Apple Inc.*

Mobile Device Management (MDM) gives educational institutions the ability to manage large scale deployments of iPod Touch and iPad. These capabilities in iOS give IT departments the ability to securely enroll devices in an enterprise environment, wirelessly configure and update settings, monitor compliance with school policies, and remotely wipe or lock managed devices. Come and experience the exciting new options for managing and deployment iPads and other iOS devices using MDM. You will get hands-on experience with the new MDM service built into Lion Server.

### **SIGTECH 1: Tech Tools for the Classroom**

**8:30 AM – 12:00 PM • DeVos Place**

*Patrick Sheren, Education Account Technology Strategist, Microsoft Corporation*

Microsoft has a number of Windows-based software applications and tools that can be used for engaging students in the K-12 classroom. We will discuss and demo tools like: Math Worksheet Generator, Math 4.0 Calculator, Photosynth, Mouse Mischief, WorldWideTelescope and XBOX Kinect and others. See what is available and how you can use these tools, a number that are completely free in your school.

### **SIGTECH 2: Windows 7 and Office 2010 Deployment**

**1:00 – 4:30 PM • DeVos Place**

*Patrick Sheren, Education Account Technology Strategist, Microsoft Corporation*

In this session we will look at the tools available from Microsoft for deployment of Windows 7 and Office 2010. We will look at Microsoft Deployment Toolkit and how these free tools can be used for creating your image for deployment. We will see how the Office Customization tool plugs into the MTD to assist in the deployment of Office 2010. We will also touch on Windows and Office activation options with MAK and KMS.

### **SIGTECH 3: Interactive and Engaging Technology for All**

**8:30 AM – 12:00 PM • DeVos Place**

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

Using the 21 Things 4 Students and Teachers, participants will learn how to use interactive and collaborative tools to enhance the curriculum and provide interventions to increase student achievement. Bring your laptop, iPad/tablet, phone, camera, etc. that you or your student may have access to in the classroom.

### **SIGTECH 4: Personalizing Digital Learning**

**1:00 – 4:30 PM • DeVos Place**

*Adam Garry, Manager of Global Professional Learning, Dell, Inc.*

We will discuss and explore free resources for accessing and using digital content in and out of the classroom. With the shift from print to digital we have the opportunity to transform teaching and learning. To make this a reality we must support the right learning platform that will allow for personalized learning and blended environments with a unique user interface. How can this be made possible? It might be easier than you think. Come engage in an interactive conversation about the future of learning. You will learn how to access a free resource that will allow you to search, review, and share free digital content with your students and parents.

### **SIGWEB 1: Cross Platform Mobile App Development**

**8:30 AM – 4:30 PM • Kent ISD**

*Steve Keinath, Teacher, Jackson Area Career Center*

Utilize your current skills in programming and web development to build web apps and native apps for mobile devices. Take pre-existing websites and applications and go mobile with free and inexpensive tools! Attendees should come ready to dig into code! Tools used in this workshop include Android SDK (free), PhoneGap (free), Dreamweaver 5.5, and Corona SDK.

### **SIGWEB 2: Intro to HTML5 and CSS3 for Web Design Teachers**

**8:30 AM – 12:00 PM • Kent ISD**

*Pete Poggione, IT Director, Mattawan Consolidated School*

Teach web design or web development? Want to know more about all the new amazing things that HTML5 can do to change how we interact with the web? Come sit in on this session to explore what the new web standard has to offer as well as CSS3. The web is

changing; don't be left teaching your students about how to design websites for the 20th century.

### **SIGWEB 3: Publish to the Web - Simply and Easily**

**1:00 – 4:30 PM • Kent ISD**

*Amber Ashley, Teacher, Forest Hills Public Schools*

Do you want to put content on the WWW? Need some ideas on how to publish videos, pictures, and docs? Are you in need of fast, reliable, easy tools to get the job done? Then this session is for you. Come learn web-publishing tools – build and grow skill sets so you can leave MACUL 2012 fully prepared to increase your classroom's reach beyond the normal school day. Several tools will be taught – and you will walk away with new skills sets, ideas, and tools to help you get the job done efficiently!