

## Apereo Conference 2015

### Selected Sessions by Product

Product	Description	Time
Academic Progress	Meeting State Mandated Guidelines for Student Degree Progress at Purdue	Monday 10:15-11:00
Analytics	Updates from the Apereo Learning Analytics (LAI) Community	Monday 10:15-11:00
Analytics	Open Learning Analytics and Sakai at Uniformed Services University	Monday 1:30-2:15
Analytics	Getting to know your Sakai users: analysis of utilization data	Tuesday 11:15-12:00
Analytics	2015-16 Learning Analytics Initiative (LAI) Planning Discussion	Wednesday 9:45-10:30
APIs	Apereo OAE Development Bootcamp: REST APIs, external integrations and widget development	Sunday 9:00-12:00
APIs	Restful APIs and Resource Definitions for Higher Education: An update from the CIFER shared API Team	Monday 2:30-3:15
APPs Development	uMobile Native Solutions 00 Get Your App Up and Running	Sunday 1:00-4:00
APPs Development	uMobile Discussions	Monday 11:15-12:00
APPs Development	uMobile State of the Project	Wednesday 10:45-11:30
Calendaring	Introducing Bedework 3.10	Wednesday 9:45-10:30
Course Scheduling	Course Timetabling in UniTime	Sunday 1:00-4:00
Course Scheduling	Examination Timetabling in UniTime	Monday 11:15-12:00
Course Scheduling	Case Study: Course Timetabling with UniTime at Masaryk University (CZ)	Monday 1:30-2:15
Customer Service	From an IT Helpless Desk to a Super Service Desk: Tales from the Edtech trenches	Tuesday 1:30-2:15
Data Exchange	EDEXchange State of Projects	Tuesday 2:30-3:15
Education Planning	uPortal Notifications Integration: Student Success Plan	Monday 1:30-2:15
Education Planning	SSP Project Update	Monday 2:30-3:15
ESUP	"Esup CAS Packaging" : Deploy and customize easily a CAS4 server	Monday 10:15-11:00
ESUP	ESUP-Portail & OAE: Keys to success	Tuesday 2:30-3:15
Licensing	Open Source Licensing in Apereo and Beyond	Tuesday 1:30-2:15
Licensing	General Session: The Real Meaning of Open...	Wednesday 8:30-9:30
Notifications	Notifications BoF	Wednesday 11:45-12:30
Portal	Getting Started with uPortal 4.2	Sunday 9:00-12:00
Portal	AngularJS client of uPortal web services : hands on with MyUW Beta	Sunday 1:00-4:00
Portal	uPortal Project and Product Vision BoF	Monday 1:30-2:15
Portal	Beyond Portlets (Java Script front end (AngularJS) and JASON web services)	Tuesday 10:15-11:00
Portal	Portlet Showcase 2015	Tuesday 10:15-11:00
Portal	State of the uPortal 2015: The Age of ResponDR [TinCan [ADL] Api support	Wednesday 10:45-11:30
Portal	Multi-Tenant Portals: Two Perspectives	Wednesday 11:45-12:30
Security	CAS + Duo [Security] Two Factor Authentication	Monday 2:30-3:15
Security	A tale of two factors: 2FA authentication with CAS	Tuesday 10:15-11:00
Security	The latest about the Central Authentication Service	Tuesday 3:45-4:30

## Aperero Conference 2015

### Selected Sessions by Time

Scheduled Time	Product	Session Title
Sunday 9:00-12:00	APIs	Aperero OAE Development Bootcamp: REST APIs, external integrations and widget development
Sunday 9:00-12:00	Portal	Getting Started with uPortal 4.2
Sunday 1:00-4:00	Portal	AngularJS client of uPortal web services : hands on with MyUW Beta
Sunday 1:00-4:00	Course Scheduling	Course Timetabling in UniTime
Sunday 1:00-4:00	APPs Development	uMobile Native Solutions 00 Get Your App Up and Running
Monday 10:15-11:00	ESUP	"Esup CAS Packaging" : Deploy and customize easily a CAS4 server
Monday 10:15-11:00	Academic Progress	Meeting State Mandated Guidelines for Student Degree Progress at Purdue
Monday 10:15-11:00	Analytics	Updates from the Aperero Learning Analytics (LAI) Community
Monday 11:15-12:00	Course Scheduling	Examination Timetabling in UniTime
Monday 11:15-12:00	APPs Development	uMobile Discussions
Monday 1:30-2:15	Course Scheduling	Case Study: Course Timetabling with UniTime at Masaryk University (CZ)
Monday 1:30-2:15	Analytics	Open Learning Analytics and Sakai at Uniformed Services University
Monday 1:30-2:15	Education Planning	uPortal Notifications Integration: Student Success Plan
Monday 1:30-2:15	Portal	uPortal Project and Product Vision BoF
Monday 2:30-3:15	Security	CAS + Duo [Security] Two Factor Authentication
Monday 2:30-3:15	APIs	Restful APIs and Resource Definitions for Higher Education: An update from the CIFER shared API Team
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Tuesday 10:15-11:00	Security	A tale of two factors: 2FA authentication with CAS
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Tuesday 11:15-12:00	Analytics	Getting to know your Sakai users: analysis of utilization data
Tuesday 1:30-2:15	Customer Service	From an IT Helpless Desk to a Super Service Desk: Tales from the Edtech trenches
Tuesday 1:30-2:15	Licensing	Open Source Licensing in Aperero and Beyond
Tuesday 2:30-3:15	Data Exchange	EDEXchange State of Projects
Tuesday 2:30-3:15	ESUP	ESUP-Portail & OAE: Keys to success
Tuesday 3:45-4:30	Security	The latest about the Central Authentication Service
Wednesday 8:30-9:30	Licensing	General Session: The Real Meaning of Open...
Wednesday 9:45-10:30	Analytics	2015-16 Learning Analytics Initiative (LAI) Planning Discussion
Wednesday 9:45-10:30	Calendaring	Introducing Bedework 3.10
Wednesday 10:45-11:30	Portal	State of the uPortal 2015: The Age of Respondr [TinCan [ADL] Api support
Wednesday 10:45-11:30	APPs	uMobile State of the Project
Wednesday 11:45-12:30	Portal	Multi-Tenant Portals: Two Perspectives
Wednesday 11:45-12:30	Notifications	Notifications BoF



## Open Aperero 2015 Conference schedule

### SUNDAY 31ST MAY 2015

#### **Aperero OAE Development Bootcamp: REST APIs, external integrations and widget development**

by Nicolaas Matthijs, Stuart Freeman, Simon Gaeremynck, Stephen Thomas and Branden Visser

How do you write REST APIs and User Interface widgets for the Aperero Open Academic Environment (OAE)? How do you integrate external applications into OAE? During this workshop, we will work through an example use case that aims to integrate an external application into OAE. Attendees of this workshop will be exposed to writing a custom OAE integration module, authentication between applications and writing OAE REST APIs. During the hands-on part of the workshop, the attendees will write an OAE widget to display data from the external application through the developed REST APIs.

**AT** 9:00am to 12:00pm, Sunday 31st May

**IN** Pride of Baltimore, Renaissance Baltimore Harborplace Hotel

#### **Building Applications using IMS Learning Tools Interoperability**

by Charles Severance

This workshop will cover IMS Learning Tools Interoperability 1.1 and 2.0. We will look at how a tool can be developed to support both specifications simultaneously. We will look at the needed data model elements to support the new capabilities in LTI 2.0. We will also look at using the Tsugi learning tool develop framework to quickly develop LTI 1.0 and LTI 2.0 tools.

**AT** 9:00am to 12:00pm, Sunday 31st May

**IN** Gibson, Renaissance Baltimore Harborplace Hotel

#### **Getting Started with uPortal 4.2**

by Drew Wills

In this workshop, we will take a hands-on look at the latest uPortal release at the time of the conference (version 4.2 or later). A lot has changed with uPortal in recent history - especially Respondr, the new responsive theme for uPortal based on Bootstrap 3. This workshop is perfect for anyone who may be looking to adopt uPortal for the first time, or anyone planning to migrate from an earlier (uPortal 4.0 or earlier) version of uPortal. We will explore the most important concepts, patterns, practices, and suggestions relevant to these tasks.

You will learn about:

- Building, configuration, & installation
- Skinning & branding with Respondr
- Authentication
- User attributes
- Groups & permissions
- Layout management
- Portal administration
- Data migration tools
- Deploying & configuring additional portlets

Special emphasis will be given to newer, less well-known (and less well-documented) topics.

**AT** 9:00am to 12:00pm, Sunday 31st May

**IN** Federal Hill, Renaissance Baltimore Harborplace Hotel

## **Hands-On: Designing and Using Sakai Portfolios**

by Janice Smith, Olivier Gerbe, Eric Giraudin, Shoji Kajita and Jacques Raynauld

- Move ahead with Karuta, the new open source portfolio that can be LTI-integrated with Sakai.
- Learn how portfolios enhance learning, assessment, and career development.
- Compare the benefits of Karuta to those of the Open Source Portfolio (OSP) tools in Sakai.
- See a demonstration of data migration from OSP to Karuta. Consider example use cases of successful ePortfolio implementations using Karuta.
- Leave the workshop confident in your knowledge of portfolio processes and your ability to use Karuta to implement a portfolio process for your course, program, or university.
- In the morning participants will review portfolio basics and collaborate with peers to design a portfolio process with Karuta. In the afternoon participants will receive hands-on instruction in using Karuta to implement their portfolio design.

**AT** 9:00am to 4:00pm, Sunday 31st May

**IN** Watertable B, Renaissance Baltimore Harborplace Hotel

## **Opencast: the flexible video management solution for lecture capture**

by Stephen Marquard

Find out how to plan, implement and support a scalable and affordable lecture capture solution with Opencast.

Opencast (<http://opencast.org>) is a flexible, open source video management system for lecture capture and other video applications in higher education or beyond.

This workshop will be presented by experienced members of the Opencast community, and will include time for questions and discussions of specific scenarios.

**AT** 9:00am to 12:00pm, Sunday 31st May

**IN** Watertable C, Renaissance Baltimore Harborplace Hotel

## **Sakai Boot Camp 2015**

by Earle Nietzel, Matthew Jones and Robert Long

This half-day seminar will focus on installing, configuring, and integrating with Sakai for system administrators, developers, and technical support staff. This will be an introduction to Sakai from a technical perspective and will cover the following topics:

- What is Sakai
- Brief history of Sakai
- New tech in Sakai 10 and 11
- Installation gotchas and tips
- Basics of branding
- System configuration
- Sakai admin tools and basics of site setup and management
- Authentication and User providers
- Installing contributed tools and plugins
- Integrating with other systems (LTI, SOAP Webservices, REST)
- Managing local code changes and customizations
- Basics of Sakai development (code structure and conventions)
- Participants will be exposed to everything they will need to basically install, customize, and support a Sakai installation at their institution.

**AT** 9:00am to 12:00pm, Sunday 31st May

**IN** Homeland, Renaissance Baltimore Harborplace Hotel

## Xerte Online Toolkits

by Julian Tenney and Ron Mitchell

Xerte Online Toolkits is a free, open source and award winning suite of browser-based tools that allow absolutely anyone with a web browser to create mobile friendly, highly accessible and interactive learning materials quickly and easily with no need for specialist skills. The Xerte Project and The Apereo Foundation are delighted to offer this free workshop on Xerte Online Toolkits at Open Apereo 2015.

Xerte Online Toolkits is widely used in institutions and organisations all over the world, receiving outstanding praise for its ease of use and high levels of native accessibility. The tools are suitable for specialists and non-specialists alike and the Xerte Project fosters an enthusiastic and friendly community of users and developers worldwide. We invite you to join us for the day in Baltimore on 31st May. Places are limited, so book now to reserve your place and discover how Xerte Online Toolkits is putting technology into the hands of teachers, technologists and learners as well as more specialist developers all over the world.

In this workshop the developer team will provide hands on tuition in all aspects of content development using Xerte Online Toolkits. We'll take you step by step through the software's features, and show you how teachers, technologists, learners and developers are using the tools to deliver innovative and highly accessible learning experiences.

**AT** 9:00am to 12:00pm, Sunday 31st May

**IN** Watertable A, Renaissance Baltimore Harborplace Hotel

## AngularJS client of uPortal web services : hands on with MyUW Beta

by Andrew Petro, Jim Helwig, Tim Levett and Tim Vertein

Long-time uPortal adopter UW-Madison is innovating with an alternative portal front-page using AngularJS, leveraging uPortal-provided web services and continuing to support JSR-286 portlets.

We'd like to show it to you hands-on right on your computer.

In this hands-on seminar, the MyUW team will:

1. Demo the MyUW Beta.
2. Introduce technologies involved, primarily AngularJS and Spring Framework Java implementations of JSON web services.
3. Walk participants through hands-on live demos of developing experiences in this platform.

Leave the session with real working open source code. (This is a hands-on seminar. BYO laptop. Preparation steps will be distributed to registrants in advance.)

AngularJS is a JavaScript development framework. You will be more comfortable if you are familiar with JavaScript. However, this seminar is engineered such that you can simply step through the canned examples regardless.

Current uPortal adopters are especially intended attendees.

**AT** 1:00pm to 4:00pm, Sunday 31st May

**IN** Federal Hill, Renaissance Baltimore Harborplace Hotel

## Course Timetabling in UniTime

by Tomas Muller, Zuzana Mullerova and Stephanie Schluttenhofer

Course timetabling is a tedious process of assigning classes to a limited number of time periods and classrooms. This is a difficult problem with many competing objectives like student conflicts, faculty requirements, and space constraints.

UniTime is a comprehensive educational scheduling system that supports developing course and exam timetables, managing changes to these timetables, sharing rooms with other events, and scheduling students to individual classes.

The workshop will be organized in a form of an interactive demonstration. During the workshop, we will go through the process of creating a course timetable in UniTime from start to finish. We will focus on some of the most interesting parts: modelling course structure, entering faculty requirements, running the timetabling solver, making interactive changes to an existing timetable, etc.

**AT** 1:00pm to 4:00pm, Sunday 31st May

**IN** Watertable C, Renaissance Baltimore Harborplace Hotel

## Getting Started With Apereo LAI: Sakai, OpenLRS and OpenDashboard

by Gary Gilbert

In this workshop, we provide an introduction to Apereo LAI. The target audience is the technologist looking to get started with LAI but anyone with an interest in learning analytics is welcome. Special emphasis will be placed on Apereo LAI projects OpenLRS and OpenDashboard.

Workshop objectives:

- (1) Gain a working understanding of the technical architecture of LAI components OpenLRS and OpenDashboard;
- (2) Learn how to set up an OpenLRS and OpenDashboard development environment;
- (3) Learn how to set up and configure xAPI support in Sakai;
- (4) Learn how to integrate Sakai, OpenLRS, and OpenDashboard;
- (5) Learn how to develop a new OpenDashboard card.

**AT** 1:00pm to 4:00pm, Sunday 31st May

**IN** Homeland, Renaissance Baltimore Harborplace Hotel

## **uMobile Native Solutions -- Get Your App Up And Running**

by Dave Derderian

Interested in uMobile? Come learn about the project, where it is and where it's heading. Learn how to leverage uPortal and bring an unique experience to your institutions app, configure the app to authenticate using CAS, customize the look and feel, and enhance the app with creating extra modules. We'll also cover basics into mobile development, what to look for and what tools to be utilized to make mobile development even easier.

**AT** 1:00pm to 4:00pm, Sunday 31st May

**IN** Gibson, Renaissance Baltimore Harborplace Hotel

## **Xerte Online Toolkits**

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**AT** 1:00pm to 4:00pm, Sunday 31st May

**IN** Watertable A, Renaissance Baltimore Harborplace Hotel

## **Welcome Reception**

**AT** 5:00pm to 6:30pm, Sunday 31st May

**IN** 7th Floor Courtyard, Renaissance Baltimore Harborplace Hotel

## **MONDAY 1ST JUNE 2015**



## Breakfast

**AT** 7:30am to 8:30am, Monday 1st June

**IN** Maryland B, Renaissance Baltimore Harborplace Hotel

## Welcome & General Session: The Open Education Infrastructure

by David Wiley

The term infrastructure often invokes thoughts of technologies and standards. However, the infrastructure of education more broadly - the core underlying components that make it function successfully - include additional pedagogical components, like learning outcomes, assessments, content, and credentials. This presentation will discuss the Open Education Infrastructure, an open, scalable approach to aligning the technical and pedagogical components of education in a manner designed to increase faculty and student agency, improve student outcomes, and decrease costs to institutions and students.

**AT** 8:30am to 9:45am, Monday 1st June

**IN** Maryland D, Renaissance Baltimore Harborplace Hotel

## "Esup CAS Packaging" : Deploy and customize easily a CAS4 server

by Ludovic Auxepaules

Since 2003, the Esup-portail consortium has developed and has provided tools to facilitate CAS server implementation at french universities and establishments.

This presentation will focus on the newest Esup CAS-toolbox v4 based on the Apereo CAS4 server distribution.

CAS-toolbox is a tool for

- Deploying a CAS server into an existing Tomcat installation,
- Simplifying and centralizing CAS configuration,
- Customizing the CAS server.

The "new Esup cas-toolbox" is designed to handle different configuration and/or customization levels with Maven WAR overlays :

- the 'cas-toolbox-core' folder contains the first level of Esup addons and preconfigurations to the original Apereo CAS server distribution.
- the 'cas-toolbox-custom' folder only contains the specific configurations and customizations files of the institution.
- the 'config.properties' file allows to centralize all properties.

**AT** 10:15am to 11:00am, Monday 1st June

**IN** Baltimore A, Renaissance Baltimore Harborplace Hotel

## Designing an online faculty development course

by Gregory Doyle

Faculty development in the Faculty of Health Sciences at the University of Cape Town is challenging due to the time constraints of busy clinicians. In 2013 it was decided to pilot a replacement online Teaching, Learning and Assessment course to replace the traditional face-to-face course in an effort to reach more faculty members.

This presentation looks at the process, planning and success of implementing an online course in Sakai. The online course was not meant to attract large numbers or be MOOC-like, though the design and instructional methodologies can be very similar. The course had to facilitate the learning process of faculty, allow for flexible learning, include social and collaborative elements. Without being 'boring'.

Tools as in Sakai 10.0 were used to accomplish social and collaborative learning. Faculty members were provided with content using Resources and Lessons, and had to do a task per week. We also look at feedback provided by faculty at the end of the course.

**AT** 10:15am to 11:00am, Monday 1st June

**IN** Homeland, Renaissance Baltimore Harborplace Hotel

## Digital Drop-Off: Taking the First Step Towards an Online Writing Center in Sakai

by David Bauer

Digital Drop-Off (DDO) is a new Sakai tool in development at the University of Dayton (UD). This tool provides students a means of soliciting online feedback from UD peer writing consultants independent of a Sakai course site.

The Write Place (UD's writing support center) was in need of a system capable of facilitating writing support for distance learning students and those unable to stop by the on-campus writing support center for a consultation. DDO, piloted during the Spring 2015 term, offers a simple way for students to drop off documents, and receive writing feedback about organization, content, and mechanics from within the Sakai framework.

This presentation will discuss and demo the new DDO tool as well as provide a forum to discuss next steps on how Sakai can be used as a platform for a robust online writing support center. Attendees will be encouraged to share feedback on the tool and discuss their institution's needs in regards to student writing support.

**AT** 10:15am to 11:00am, Monday 1st June

**IN** Baltimore B, Renaissance Baltimore Harborplace Hotel

## Harnessing the Full Power of LTI

by Chris Schauer

At Texas State University, we've spent the last couple years developing and maintaining an open source LTI tool for tracking attendance. In doing so, we've learned a lot about the LTI specification, how to share data with the LMS, and how to use LTI to address problems common to many tools. After a brief demo of the tool, we'll discuss the following points related to LTI tool development:

- Reasons to use LTI
- Synchronizing rosters between Sakai and an external tool
- Sending grades back to Sakai
- Extending the LTI with your own services
- Using custom LTI launch parameters
- Making sure your tool can function in the absence of a specific LTI service
- Limitations of LTI

**AT** 10:15am to 11:00am, Monday 1st June

**IN** Watertable A, Renaissance Baltimore Harborplace Hotel

## **Incubation Session**

by Ian Dolphin

TBD

**AT** 10:15am to 11:00am, Monday 1st June

**IN** Maryland E, Renaissance Baltimore Harborplace Hotel

## **Meeting State Mandated Guidelines for Student Degree Progress at Purdue**

by Stephanie Schluttenhofer and Tomas Muller

The state of Indiana has recently passed a law requiring that state educational institutions ensure their students are able to get their degrees in a timely fashion. In short, if a student is unable to make progress toward their degree because a course was not available to them in the prescribed term, the institution must offer the course to the student in the following term at no additional cost. Other states have adopted or are considering adopting similar laws.

Such laws provide an interesting challenge for institutions. How to determine what courses a student needs? How to create a timetable that makes it possible for all students to get the courses they need? Once there is a good timetable, how to ensure that the students take the courses they need without blocking other students?

This presentation is a case study on how Purdue University is working to integrate its existing degree planning data into course planning and scheduling processes to meet the state regulations.

**AT** 10:15am to 11:00am, Monday 1st June

**IN** Maryland A, Renaissance Baltimore Harborplace Hotel

## **Updates from the Apereo Learning Analytics (LAI) Community**

by sandeep jayaprakash, Josh Baron and Alan Berg

The aims of the Apereo Learning analytics initiative (LAI) are to accelerate the operationalization of Learning Analytics software and frameworks, support the validation of analytics pilots across institutions, and working together to avoid duplication of efforts. The initiative was started in 2014 and supported by Marist College, University of Amsterdam, Unicon, and University of Hull. This session provides the larger Apereo community with an update on learning analytics today and where we are heading in the future.

Today, the community has developed an unified vision to build an open and scalable reference architecture for the Learning Analytics. The session briefly covers the current status of the development of the architectural components which include Learning Record Store, Academic early alert systems, Intervention, Student advising systems and Open Dashboard systems. Time will be set aside to discuss other community priorities in this domain and how others can get involved.

**AT** 10:15am to 11:00am, Monday 1st June

**IN** Watertable B, Renaissance Baltimore Harborplace Hotel

## **What third party tools have you integrated with Sakai, and how's that working out for ya?**

by Jeff Pasch, Andy Sears and Gary Shawver

To meet the rapidly changing needs (and wants) of users, many institutions choose to integrate third-party tools into their LMS. The LTI standard has been a principal means of doing so. The release of LTI 2.0 offers the potential for more robust and seamless integrations.

Individuals who attend this session will learn which third-party tools other schools have integrated with Sakai, via LTI or otherwise. We will discuss how these tools been received by faculty and students, how they are supported by the institution, and what some of the challenges have been. Also, we'll explore what new integrations schools have on the drawing board and if there are opportunities for collaboration.

**AT** 10:15am to 11:00am, Monday 1st June

**IN** Fells Point, Renaissance Baltimore Harborplace Hotel

## **Can't We All Just Get Along? Using Media Principles to Find Common Ground Among Team Members**

by Brandon Henry, Eric Hanson, Dina Kurzweil and Karen Marcellas

Remember when the faculty member wanted to put 15 weeks worth of Powerpoint lectures into Sakai, the instructional designer (ID) wanted to condense it all into five three-hour online

lessons and the developers wanted to animate ALL of it? Multiple people need to come together to bring a course to life in the online environment. How do you bring them all together to create content that will enable the students to learn?

This session will introduce media principles that IDs, faculty, and developers can use to create online learning materials in and outside of Sakai and will give them a common language to use when discussing media. It will also provide a forum for participants to discuss how to apply those principles to plan and create media that enable students to meet specific learning objectives.

By the end of this session, attendees will be able to:  
???Discuss practical applications of multimedia design principles and suggest ways to enhance online content with educational media

**AT** 11:15am to 12:00pm, Monday 1st June

**IN** Fells Point, Renaissance Baltimore Harborplace Hotel

## **Examination Timetabling in UniTime**

by Tomas Muller

Examination timetabling is a well researched and important educational timetabling problem. It consists of individual meetings (examinations) that are to be assigned in time and space in a way that allows all the participants (students and instructors) to attend all the meetings that they require.

In this presentation we will present the examination timetabling capabilities of UniTime, the comprehensive university timetabling system. A practical application of UniTime at Purdue University examination timetabling will also be presented.

The examination problem at Purdue University is quite large. It consists of about 2,000 examinations, attended by up to 34,000 students with 120,000 student enrollments, placed in 29 distinct examination periods and using about 350 rooms. It is also quite hard to solve, as it is often impossible to find a complete timetable that has no direct conflicts.

**AT** 11:15am to 12:00pm, Monday 1st June

**IN** Maryland F, Renaissance Baltimore Harborplace Hotel

## **Federated learning experiences: toward the invisible LMS**

by Brad Smith

This talk starts with a central premise: "the more an LMS tries to do (e.g. creating content, hosting content, recording grades, etc), the more limiting it ultimately is, resulting in lock-in, inflexibility, and lost options for innovation and experimentation."

From there, it proposes taking a page from the anti-monolithic philosophy of Unix, where each component of a system does one thing very well, and cooperates with other components for more complex tasks. In other words, authoring and hosting content, storing student records and

providing a user interface that ties it all together should be handled by independent, modular components of an organization's e-learning ecosystem.

This is illustrated with a demonstration of Swag, a non-profit project that aims to implement this approach to create a learning ecosystem that, in its most radical form, enables gameified, self-directed, self-motivated learning that is compatible with, but does not depend on, traditional LMSes.

**AT** 11:15am to 12:00pm, Monday 1st June

**IN** Maryland A, Renaissance Baltimore Harborplace Hotel

## **Identity Management: Data Intake as a Service**

by Brian Koehmstedt

In this session we will introduce Berkeley's System of Record Gateway Service (SOR Gateway Service), a component to Berkeley's new Person Registry. We will show how we have built an identity intake service that is separate from typical provisioning engines, which aids in modularity and loose coupling of IDM components. We will show how this service uses messaging middleware to both pull batch data and listen for real-time event messages, as well as publish real-time notification messages to campus consumers. We will describe easily adding new Systems of Record, including "Micro SORs," that provide data to the Registry. We will describe integration with Berkeley's Identity Match Engine.

**AT** 11:15am to 12:00pm, Monday 1st June

**IN** Baltimore A, Renaissance Baltimore Harborplace Hotel

## **Karuta: Design Your Own Portfolio Process**

by Janice Smith, Olivier Gerbe, Eric Giraudin, Shoji Kajita and Jacques Raynauld

Learn how Karuta, the new open source portfolio with LTI-integration to Sakai, can be used to design ePortfolios for learning, assessment, and showcasing. Compare Karuta to the Open Source Portfolio (OSP) tools and learn how to migrate portfolio data from OSP forms, matrices, and portfolios to Karuta. Get an in-depth look at successful use cases of Karuta implementations from five pilot projects at three universities on three continents.

**AT** 11:15am to 12:00pm, Monday 1st June

**IN** Homeland, Renaissance Baltimore Harborplace Hotel

## **Profiling Sakai, Finding the Root Cause!**

by Earle Nietzel

Introduction to the tools used in profiling/analyzing Sakai to find root cause.

Tools discussed are:

Yourkit - <https://www.yourkit.com/overview/>

Eclipse MAT - <https://eclipse.org/mat/>

VisualVM - <http://visualvm.java.net/>

### Java Instrumentation

Mostly profilers, application monitoring agents, event loggers use Java instrumentation. You can write a basic Java agent and do instrumentation on Java byte code.

**AT** 11:15am to 12:00pm, Monday 1st June

**IN** Watertable A, Renaissance Baltimore Harborplace Hotel

## Sakai 11 overview

by Neal Caidin

Sakai 11 is the next major upgrade to Sakai 10. By the time of the conference we should be well into our development and QA testing cycle. Sakai 11 will be based on Morpheus, our new responsive design technology, plus it will have many new features including a Dashboard for summarizing activity, significant updates to the Lessons tool to make it more user friendly, a new spreadsheet entry for Gradebook, and more. Come learn about all the major Sakai 11 features and the timeline for release.

**AT** 11:15am to 12:00pm, Monday 1st June

**IN** Watertable B, Renaissance Baltimore Harborplace Hotel

## uMobile Discussions

by Dave Derderian

Join the discussion on uMobile. A general talk about where uMobile is and where its heading. Share stories and ideas to help drive the project forward!

**AT** 11:15am to 12:00pm, Monday 1st June

**IN** Maryland E, Renaissance Baltimore Harborplace Hotel

## Whose Queue? Challenges and Solutions for Setting LMS Development Priorities

by Robert Squillace, Peggy McCreedy and Jeff Pasch

Like a shark, a software platform must keep moving or it will die. In the case of the LMS, the needs of users are evolving so rapidly that it is difficult to meet them all. Institutions and software communities therefore must develop ways to set priorities in order to keep a variety of stakeholders satisfied. The necessity to set the right priorities is especially acute when using open-source code, which gives schools configuration options not always available in commercial software. The presenters will approach the question of the best methods for setting

development priorities from a variety of perspectives: the chair of a user needs group, the product manager for the LMS, and the director of the institution's educational technology unit. They will present the methods NYU has developed for setting development priorities and guide a discussion on the LMS community's priorities, with equal attention to the Sakai platform in particular and the LMS in general.

**AT** 11:15am to 12:00pm, Monday 1st June

**IN** Baltimore B, Renaissance Baltimore Harborplace Hotel

## Networking Lunch

### Overview

The spirit of Networking Cafe is to enable participants to express, connect, and collaborate. Express what you are interested in learning or sharing, connect with others who have a similar interest, and collaborate by sharing ideas, or even launching collaborative work or projects. Rather than just one event, the Networking Café concept is being extended throughout the conference, providing space and support for attendees to create their own conversations and experiences.

### Networking Lunch

We will solicit topic ideas and voting on topics for popularity in advance of the conference. A select number of top vote getting ideas will have tables at lunch for a Birds of a Feather style discussion. Extra time will be allotted for lunch so that you can enjoy your lunch and have time for extended discussion. Tables at lunch will also be allocated for attendees who just want a break.

**AT** 12:00pm to 1:30pm, Monday 1st June

**IN** Maryland B, Renaissance Baltimore Harborplace Hotel

**COVERAGE** handout

## Case Study: Course Timetabling with UniTime at Masaryk University

by Zuzana Mullerova, Tomas Muller and Hana Rudova

Course timetabling is a difficult optimization problem with a lot of differences across institutions. In this presentation, we provide an overview of the implementation of UniTime at the Masaryk University.

Masaryk University is a university with about 36 thousand students in the Czech Republic, named after the first president of independent Czechoslovakia. It is also an early adopter of UniTime, a comprehensive course timetabling system.

We will present the course timetabling process at the university, with the focus on how an automated system like UniTime has helped with the process and its benefits over the previous manual approach. We will also cover some interesting aspects of the course timetabling that were new to us, like considering distance and continuing education, combining student registrations with curricula, or having university facilities spread throughout the city.



**AT** 1:30pm to 2:15pm, Monday 1st June

**IN** Watertable B, Renaissance Baltimore Harborplace Hotel

## **Github and Sakai, Best Practices**

by Earle Nietzel

Sakai is now on Github!

Discuss the Best Practices for using Sakai and Git.

[https://confluence.sakaiproject....](https://confluence.sakaiproject...)

**AT** 1:30pm to 2:15pm, Monday 1st June

**IN** Baltimore A, Renaissance Baltimore Harborplace Hotel

## **It's Time for a SPA. AuthN/AuthZ for long-lived departmental accounts.**

by Jeff McCullough

It's time for a SPA. UC Berkeley needed a general solution for authN/authZ for long-lived departmental accounts called Special Purpose Accounts. This case study will discuss how open source components were used to create a delegated authN/authZ solution for accessing multiple services across campus and the cloud. The problem space will be clearly defined and an explanation of how the components (CAS modifications, Shibboleth, grouper groups, LDAP groups, and a small admin app) are used together for a complete solution.

**AT** 1:30pm to 2:15pm, Monday 1st June

**IN** Maryland D, Renaissance Baltimore Harborplace Hotel

## **Karuta State of the Project**

**AT** 1:30pm to 2:15pm, Monday 1st June

**IN** Maryland F, Renaissance Baltimore Harborplace Hotel

## **Morpheus at Marist**

by John Digilio and Udaya Ghattamaneni

In an effort to enrich the user experience of Sakai for the Marist Community, Marist will be showcasing work completed on the Sakai interface using the Morpheus framework.

**AT** 1:30pm to 2:15pm, Monday 1st June

**IN** Watertable A, Renaissance Baltimore Harborplace Hotel

## Open Learning Analytics and Sakai at Uniformed Services University

by Eric Hanson and Gary Gilbert

Uniformed Services University of the Health Sciences (USU) is a health science university funded by the U.S. federal government. USU, a long time Sakai institution, had a need to capture and store events generated within Sakai and other internal applications. After vetting the available open source learning record stores, USU made the decision to support the development of OpenLRS and OpenDashboard - two projects that are part of the Apereo Learning Analytics Initiative. Co-presented by Eric Hanson, Chief Knowledge Officer at Uniformed Services University and Gary Gilbert, Technology Lead for Integrations and Analytics at Unicon, this session details USU's motivation for supporting OpenLRS and OpenDashboard and provides a technical overview of both projects and how they fit within the overall Open Learning Analytics landscape.

**AT** 1:30pm to 2:15pm, Monday 1st June

**IN** Maryland A, Renaissance Baltimore Harborplace Hotel

## uPortal Notifications Integration: Student Success Plan

by Cheryl Palafox-Stewart and Drew Wills

Sinclair Community College in Dayton, Ohio are the original developers and contributors of Apereo Student Success Plan (SSP): a holistic coaching & counseling system which expedites proactive interventions for students in need. SSP is case management software supported by a proven retention model. It is mature technology that has been in use for 10 years. It has been recognized with 11 national awards, and the project has received grant funding, including the latest grant from Next Generation Learning Challenges (NGLC). SSP has been an open source Apereo project since 2012.

Sinclair CC is also a uPortal adopter. The mySinclair student portal provides personalized information about schedule, classes, notifications, financial aid, news, events, etc.

Sinclair wanted to offer a tighter integration in the portal with tasks that are created & tracked in SSP. To address this Sinclair developed a new Data Source for the Apereo Notification Portlet project that interacts with the SSP REST API. This presentation takes a close look at that effort.

We will cover the Notification Portlet in general - including a brief look at some exciting new developments in that project occurring elsewhere. We will look at the process of implementing a Notification Data Source generally, as well as how to deploy & configure the SSP Data Source, which is available publicly.

**AT** 1:30pm to 2:15pm, Monday 1st June

**IN** Maryland E, Renaissance Baltimore Harborplace Hotel

## uPortal Project and Product Vision BoF

by Andrew Petro

Discussion of vision for where uPortal is going as a project and as a product.

Participants are encouraged to come with vision and to discuss in advance of the face-to-face BoF on the uPortal developer email list.

Andrew (session proposer) will provide some context for the BoF discussion drawn from that list pre-discussion and from his ideas for where uPortal ought to go next.

**AT** 1:30pm to 2:15pm, Monday 1st June

**IN** Fells Point, Renaissance Baltimore Harborplace Hotel

## **Using elements of learning experience design and badges to develop online LMS (Sakai) training**

by Elne van Niekerk

Recently, the attendance of LMS training for academic staff have dwindled considerably despite the importance of using it effectively for the blended learning environment advocated at the University. Using the MindTools steps for planning a training session, the online training was developed using Articulate Storyline as authoring tool and incorporating the training material into the LMS (Sakai) using the SCORMcloud plugin, Lessons, Assignments and Gradebook. Material is based on elements of learning experience design, adheres to aspects of the 5E Learning Cycle Model and uses the Longsight Sakai Badging system as a guideline for grouping functionalities for training. Staff are encouraged to partake in training through the allocation of badges and supported to gain the Sakai Instructor Badge for their own professional development. In this presentation I will showcase the developed training material, explain the development process and describe the details of accreditation using badges.

**AT** 1:30pm to 2:15pm, Monday 1st June

**IN** Homeland, Renaissance Baltimore Harborplace Hotel

## **CAS + Duo Two Factor Authentication**

by Benito Gonzalez

Cyber-attacks are becoming more and more common. Higher Ed seems to be a favorite target of such efforts. University of California, Merced is adopting Duo Security via Internet2 for second-factor authentication to help mitigate these attacks. Our project's second phase includes CAS integration with Duo.

**AT** 2:30pm to 3:15pm, Monday 1st June

**IN** Maryland D, Renaissance Baltimore Harborplace Hotel

## **Moving Forward with the Sakai Portfolio Community**

by Janice Smith, Olivier Gerbe, Eric Giraudin, Shoji Kajita and Jacques Raynauld

Sakai Portfolio Community participants at Open Apereo 2014 were unanimous in their support for a migration path from the Open Source Portfolio (OSP) to Karuta, the new open source portfolio that is LTI-integrated with Sakai. This discussion session will begin with a demonstration of the migration of OSP data from forms, matrices, and portfolios to Karuta portfolios. Subsequent discussion will examine continuing Sakai Portfolio Community needs, outline how to access the latest Karuta release, chart future directions for the Sakai Portfolio Community, and propose enhancements for future releases of Karuta.

**AT** 2:30pm to 3:15pm, Monday 1st June

**IN** Fells Point, Renaissance Baltimore Harborplace Hotel

## **Open Academic Environment (OAE) Implementation Panel**

by Josh Baron, Clay Fenlason, Michelle Green and Alain Mayeur

The past year has seen a strategic shift in focus in the Open Academic Environment (OAE) project moving from design and development priorities to concentrating on larger scale implementation and adoption. This OAE implementation panel will bring together a range of institutional leaders who will each highlight a specific OAE deployment and provide a brief assessment of its successes and challenges while also sharing lessons learned. The panel will touch on several broad categories of OAE use being implemented today including: (a) Use of OAE to support academic collaboration between K-12 and higher education in the of STEM (Science, Technology, Engineering and Math); (b) Use of OAE to replace Sakai Project Sites for different forms of academic collaboration; (c) Use of OAE as a national academic higher education collaboration platform for French institutions; and (d) Use of OAE to support K-12 professional development collaboration among 250+ independent schools in Australia.

**AT** 2:30pm to 3:15pm, Monday 1st June

**IN** Maryland E, Renaissance Baltimore Harborplace Hotel

## **Restful APIs and Resource Definitions for Higher Education: An update from the CIFER shared API Team**

by Keith Hazelton and Benn Oshrin

Developers from several open source projects in identity and access management have participated in the CIFER Shared API working group to come up with a generic approach to the design of RESTful APIs. They have also come up with an approach to schema development for the various types of resources to which the APIs provide access. This session will show example applications of this work in APIs for group management with Grouper, system of record updates to identity registries (in Penn State's Central Person Registry), Identity matching services and downstream consumers of identity information for provisioning and deprovisioning of accounts and service eligibility.

Presenters will speak to the dual challenges of reaching broad adoption and sustaining the work over time. They will also point out the ways in which this approach supports a loosely coupled but well-defined architectural style that is transferable to domains outside of identity and access management.

**AT** 2:30pm to 3:15pm, Monday 1st June

**IN** Baltimore A, Renaissance Baltimore Harborplace Hotel

## **SSP Project Update**

by Patricia Wolfe and Craig Harry

With over 14 active Student Success Plan implementations, SSP is growing and gaining market share. Come learn the latest enhancements and features in the newly released SSP version 2.6 and how SSP fits into the Learning Analytics ecosystem.

We will discuss the current project state and product roadmap and will review key success criteria for implementations.

**AT** 2:30pm to 3:15pm, Monday 1st June

**IN** Maryland F, Renaissance Baltimore Harborplace Hotel

## **The Student E-Learning ThinkTank: Results from a Student Focus Group on Sakai Usability and Pedagogy**

by Ryan Allen and Jerry Timbrook

Ideas for many of the University of Dayton's (UD) most impactful custom changes to Sakai have come from conversations with our faculty. As students represent the largest proportion of our Sakai user base, we wanted to offer them a similar voice in the development of the LMS that they work with on a daily basis. To accomplish this, we created and executed the "Student E-Learning ThinkTank" program, a three-session focus group that solicited in-depth student feedback on the usability of Sakai and general best practices for LMS pedagogy at UD.

Although we have used questionnaires to survey student opinion of Sakai in the past, this focus group provided us with the opportunity to ask clarifying questions, workshop potential system changes, and help us uncover a few issues we did not know were problems. In this session, we will share what we learned from this focus group, and provide a blueprint for how other institutions might implement a similar program at their university.

**AT** 2:30pm to 3:15pm, Monday 1st June

**IN** Maryland A, Renaissance Baltimore Harborplace Hotel

## **Translating Apereo Software: A Case Study using Sakai and Transifex**

by Yuji Tokiwa, Daisuke Deguchi, Juan Jose Merono Sanchez, Jose Mariano Lujan Gonzalez and Diego del Blanco Orbitg

Web based translation support systems such as Crowdin and Transifex make it easy for regional Sakai communities to collaborate globally in translation. In the fall and winter of 2014, Spanish Sakai community and Japanese Sakai community are collaborating in translation of Sakai 10 using Transifex as a common translation platform. This collaboration brought a lot of things to two communities. For instance, to develop a tool to import resource bundle files to

Transifex in a specific manner, we can have an ease of use platform to translate modular designed software such as Sakai. And this platform will be extended for every regional community and for every project in Apereo community.

During this session we will talk about followings;

- (1) Overview
- (2) Benefits for Apereo community
- (3) Context dependent translation by gettext Portable Object
- (4) Community translation strategy in Sakai Spanish Users (S2U)
- (5) Automatized process by Jenkins

**AT** 2:30pm to 3:15pm, Monday 1st June

**IN** Watertable A, Renaissance Baltimore Harborplace Hotel

## **Apereo OAE - State of the Product**

by Nicolaas Matthijs, Josh Baron, William Cullerne Bown and Clay Fenlason

The Apereo Open Academic Environment is a multi-tenant and highly scalable platform that aims to support academic collaboration and academic networking. OAE is an informal collaborative online space that supports research, group and other types of collaboration and offers a next generation solution for the "Project" sites found in the traditional LMS.

This session will provide an overview of the developments that have taken place in the past year and further developments that are being planned. Topics will include user and group profiles, inviting guests, accessibility and many others, as well as an extensive demo showcasing the platform.

**AT** 3:45pm to 4:30pm, Monday 1st June

**IN** Maryland F, Renaissance Baltimore Harborplace Hotel

## **Lightning Talks**

by multiple presenters

A lightning talk is a very short presentation lasting only a few minutes (5 minutes). Several will usually be delivered in a single period by different speakers.

Lightning talks will be held on Monday and Tuesday at 3:45 - 4:45pm

Sign-up for Monday's lightning talks will begin a few weeks prior to the conference. We'll post the sign-up sheet soon! A sign-up sheet will also be available in front of the conference room.

**AT** 3:45pm to 4:30pm, Monday 1st June

**IN** Maryland E, Renaissance Baltimore Harborplace Hotel

## **ANI Virtual Meeting**

**AT** 5:30pm to 7:00pm, Monday 1st June

**IN** Maryland Foyer, Renaissance Baltimore Harborplace Hotel

## **Showcase Demo**

**AT** 5:30pm to 7:00pm, Monday 1st June

**IN** Maryland Foyer, Renaissance Baltimore Harborplace Hotel

## **TUESDAY 2ND JUNE 2015**

### **Breakfast**

**AT** 7:30am to 8:30am, Tuesday 2nd June

**IN** Maryland B, Renaissance Baltimore Harborplace Hotel

### **TWSIA Winners & General Session: A Gradual Revolution: the Future of Digital Humanities**

by Robert Squillace and Lucy Appert

A discussion from the perspectives of campus IT, a Director of Instructional Design, and the Academic Dean of a Liberal Arts program on the potential for the Digital Humanities to redefine the boundaries between teaching, learning, and scholarship and on the obstacles that will need to be surmounted for that potential to be realized

**AT** 8:30am to 9:45am, Tuesday 2nd June

**IN** Maryland D, Renaissance Baltimore Harborplace Hotel

### **A tale of two factors: 2FA authentication with CAS**

by Misagh Moayyed

This session will describe the latest extensions developed to enable multifactor authentication with CAS. The presentation will involve an overview of requirements, features and technical designs and may also touch upon feasibility of further contribution to the CAS community as well as a general roadmap. We will also focus on the available support for various MFA providers that can integrate with CAS such as DuoSecurity, Toopher, Authy and more. The objective is to better describe the feasibility of an MFA implementation with CAS and develop more sophisticated use cases and requirements in alignment with community needs.

**AT** 10:15am to 11:00am, Tuesday 2nd June

**IN** Maryland A, Renaissance Baltimore Harborplace Hotel

## **Beyond Portlets**

by Tim Levett

How MyUW is using a rich JavaScript front end (AngularJS) and JSON web services to provide better user experiences better factored and better architecture, and how uPortal could evolve to better enable this.

**AT** 10:15am to 11:00am, Tuesday 2nd June

**IN** Watertable C, Renaissance Baltimore Harborplace Hotel

## **Learning Standards Update**

by Charles Severance

This presentation will summarize the recent activity in the area of IMS Standards. We will cover the latest Learning Tools Interoperability standards including LTI 2.0, the roster service, the outsource service, and other services. We will also look at the Caliper standard and other standards.

**AT** 10:15am to 11:00am, Tuesday 2nd June

**IN** Baltimore B, Renaissance Baltimore Harborplace Hotel

## **Portlet Showcase 2015**

by Josh Helmer

In close partnership with the community around uPortal, Apereo also sponsors a comprehensive suite of compelling, off-the-shelf JSR-286 portlet projects which you can use to pull together a compelling campus portal in record time. These portlet projects represent the "low hanging fruit" of portal implementation, and uPortal adopters would do well to keep a finger on the pulse of what's happening in this space.

In the past year, a significant number of changes have been integrated into the portlet projects. Many Apereo portlets receive regular contributions. This session will focus on the most important changes. It will cover feature updates, improvements to user-experience and highlight technical advancements.

If you are thinking of implementing uPortal, or if you already have uPortal and need to catch up with new developments in portlets, this session is for you. This is a high-level, highly-visual overview: uPortal and Java platform knowledge not required.

**AT** 10:15am to 11:00am, Tuesday 2nd June

**IN** Kent, Renaissance Baltimore Harborplace Hotel



## **Sakai Small World Project**

by Juan Felipe Gomez Nicholls

Sakai Small World Project arises from the initiative of Diego Blanco and Juan Felipe Gomez at Asahi Net International, to improve basic education through Sakai. Our goal is to use Sakai for interaction among groups of children (between 10 and 15 years old) from different cultures to improve their education.

The project is currently underway. Two schools have joined. The activities will take place on February, March and part of April 2015 mainly. The institutions involved are the Mas Camarena School in Spain and the Arrayanes College in Colombia.

The activities involved include collaborative exercises enhancing the ability of teamwork, tolerance and especially curiosity to know new people and other realities.

The project idea is to generate dynamics of intercultural interaction in k12 institutions for students to amplify their reality of the world through their teachers and educational materials but also allowing them to meet and interact directly with peers from other countries.

**AT** 10:15am to 11:00am, Tuesday 2nd June

**IN** Homeland, Renaissance Baltimore Harborplace Hotel

## **Sakai Teaching and Learning - What's needed?**

by Neal Caidin

In this unique BOF, we will start by having a "fishbowl" conversation about Sakai teaching and learning uses, what it does well and what needs improvement, and then expand the discussion to the BOF group.

Instructors, instructional designers, and developers are encourage to make this a truly community presentation cutting across bounds. Everyone is encouraged to attend.

**AT** 10:15am to 11:00am, Tuesday 2nd June

**IN** Fells Point, Renaissance Baltimore Harborplace Hotel

## **Why do students use recorded lectures?**

by Stephen Marquard

Research on student use of lecture recordings produced by lecture capture system has often focused on whether such use improves student grades, or negatively affects attendance.

We asked students at the University of Cape Town why they used lecture recordings. A central theme is how students negotiate busy schedules, and use recordings to time-shift learning opportunities.

This session will present insights from UCT's research, and invite audience contribution and discussion.

**AT** 10:15am to 11:00am, Tuesday 2nd June

**IN** Watertable B, Renaissance Baltimore Harborplace Hotel

## **Getting to know your Sakai users: analysis of utilization data**

by Patrick Miller

Notre Dame is a newcomer to the Sakai Community, having been on Sakai for only 2 years. From the start we have been trying to gather data regarding Sakai usage. We started with very general data on usage but have felt the need to dig deeper into the kinds of usage taking place in Sakai by our faculty and students. To enhance our ability to gather meaningful data we have worked with our hosting partner to build a datamart for direct reporting on Sakai usage. This presentation is intended to be a springboard for discussion and collaboration to improve our ability to report on more than gross usage of the LMS thus providing more insight into usage patterns.

**AT** 11:15am to 12:00pm, Tuesday 2nd June

**IN** Watertable A, Renaissance Baltimore Harborplace Hotel

## **Gradebook Enhancements Project**

by Jeff Pasch, Kyle Blythe and Jim Mezzanotte

NYU is coordinating a project to make substantial improvements to the current Sakai Gradebook. The aim is to provide easier and faster grading capabilities via spreadsheet entry and improve the overall user experience of the tool. These changes will reduce the number of clicks for users to perform common tasks and provide improved editing options. This session will preview these changes and provide pathways for giving feedback.

NYU, Notre Dame, Asahi Net International, and Longsight are all contributing toward this effort.

**AT** 11:15am to 12:00pm, Tuesday 2nd June

**IN** Homeland, Renaissance Baltimore Harborplace Hotel

## **IMS Caliper: A Learning Analytics Specification for Higher Education**

by Anthony Whyte

Educational institutions are evolving their use of learning technologies away from the one-application-fits-all "LMS" to a loosely-connected digital learning ecosystem of diverse services that will leverage data analytics to drive pedagogical innovation and improve learning outcomes. Yet an ecosystem rich in services but lacking a common approach to measuring learning activity will find data collection, aggregation and analysis both time-consuming and costly. IMS Global's Caliper Analytics™ framework addresses this challenge by providing an extensible information

model, controlled vocabularies and baseline instrumentation libraries for describing, collecting and transmitting learning events to a target record store for subsequent analysis.

**AT** 11:15am to 12:00pm, Tuesday 2nd June

**IN** Watertable B, Renaissance Baltimore Harborplace Hotel

## **OpenCast State of the Project**

**AT** 11:15am to 12:00pm, Tuesday 2nd June

**IN** Maryland F, Renaissance Baltimore Harborplace Hotel

## **Population Health for Graduate Nursing Students**

by Catherine Ling

The Population Health course for the Doctorate of Nursing Practice students at the Uniformed Services University of the Health Sciences uses Sakai to provide a fully online class focused on student engagement and application on the content. This course emphasizes provision of a solid understanding of key principles and engages students in the application of those principles through debate, creative scenarios, and small group work using almost every facet of Sakai.

**AT** 11:15am to 12:00pm, Tuesday 2nd June

**IN** Kent, Renaissance Baltimore Harborplace Hotel

## **Sakai Training Support Tool and Real Experiences for Institutional Compliance Training Programs**

by Shoji Kajita and Koichiro Tonomura

At Kyoto University, Sakai has been used not only for regular classes but also compliance training programs such as "Training for Appropriate Use of Grant Money", "Security Treaty on Research Activity", "Training for Waist Fluid and Laboratory Waist" and "Teaching Assistant Training". Research Promotion Division, Environment Preservation Research Center and Graduate School of Life Science provide these programs. The demand for these institutional training programs is still growing, and recently, Graduate School of Engineering, Graduate School of Medicine, University Hospital, and Institute for Liberal Arts and Sciences are preparing their compliance training program and starting on April 2015. To support these institutional compliance training program, we have been using a new "Training Support" tool. In our presentation, we will introduces actual contents used at Kyoto University and describe the detailed experiences through newly revised Training Support tool.

**AT** 11:15am to 12:00pm, Tuesday 2nd June

**IN** Maryland A, Renaissance Baltimore Harborplace Hotel

## **Teaching and Learning Group Discussion**

by Josh Baron

This is our annual Teaching and Learning Group discussion to identify priorities and areas of interest for the 2015-16 academic year. The session is open to all and will begin with a general overview of work from past years.

**AT** 11:15am to 12:00pm, Tuesday 2nd June

**IN** Fells Point, Renaissance Baltimore Harborplace Hotel

## **Using Ansible to automate the maintenance of your e-learning infrastructure**

by Brad Smith

Ansible provides an easy but powerful way to define configurations that should be applied to servers, and can make deployment, maintenance, and change control easier whether you have a small number of servers or hundreds. This workshop will demonstrate building a set of Ansible "playbooks" to provision a Linux virtual machine hosting Xerte Online Toolkits and its dependencies (web server, database, etc).

Attendees should have at least a basic familiarity with networking and Linux administration concepts, and be comfortable using the command-line.

**AT** 11:15am to 12:00pm, Tuesday 2nd June

**IN** Maryland E, Renaissance Baltimore Harborplace Hotel

## **Lunch**

**AT** 12:00pm to 1:00pm, Tuesday 2nd June

**IN** Maryland B, Renaissance Baltimore Harborplace Hotel

## **Design Sprints**

by Tim Levett

A look in UW-Madison's usage of the Design Sprint during their portal redesign effort. Google Ventures released a formula for design success called The Design Sprint. Excerpt from gv.com, "At Google Ventures, we do product design work with startups all the time. Since we want to move fast and they want to move fast, we've optimized a process that gets us predictably good results in five days or less. We call it a product design sprint, and it's great for getting unstuck or accelerating projects that are already in motion."

UW-Madison took this concept and ran with it, and it was a huge success. We used this to design our landing page, notifications, and my profile. It is becoming the standard way we start a project, and we find it a great way to create the initial backlog of user stories.

**AT** 1:30pm to 2:15pm, Tuesday 2nd June

## **From an IT Helpless Desk to a Super Service Desk: Tales from the Edtech trenches**

by Derek Moore

Expectations about the place of ICT (Information and communications technology) support amongst campus users have grown. Students want assistance to be available with the LMS (Learning Management System), on their mobile devices and other vendor apps when and where they need it. Academics expect the IT infrastructure and multiple platforms installed thereon to support their Blended Learning activities. Administrators expect that both students and academics will be able to seamlessly register, enrol and receive their marks electronically from the courses for which they are responsible. If any of the above experience some sort of problem, then they usually contact the friendly educational technologist. But with the growth of ICT across the University, the help services available are often overwhelmed by the range of imposed expectations and people manning these services are left feeling helpless and inept.

Educational technologist's roles have also changed: from the provider of a single platform that supports course-delivery to manager of a range of mission-critical services for teaching and learning activities. These morphing expectations about the scope of work expected from the average help desk or educational technologist has impacted their mandate. Where at one time, the average ed. techie was expected to focus on instructional design, they now also have to double up as help desk and deal with change management, configuration management, service level agreements, asset management, service request management, and more.

A service design methodology can assist those responsible for supporting learning technologies to create and refine services that are required. This paper will show that service design principles are a useful framework for evaluating user support. Service Design allows learning-support technologists the opportunity to take a holistic and systemic look at the users' journey. Using this methodology can create more relevant effective and efficient support environment.

The proliferation of new technologies and internet tools is fundamentally changing the way we live and work. Higher Education is no exception: technology has a major impact on teaching, learning and research. Implementing a service design methodology can assist those charged with ICT support to create services that are based on demand rather than perceived needs. Adopting such an approach should ensure that educational technologists are indeed able and willing to serve the real needs of Sakai users rather than merely pay lip service to the notions of support.

AT 1:30pm to 2:15pm, Tuesday 2nd June

IN Kent, Renaissance Baltimore Harborplace Hotel

## **Less Invasive and More Effective System Integrations With Sakai**

by Yi Zhu, Drew Ray and Steven Wicker

Do your users need more information than what standard LTI integration can provide? In this session, we will show you how WFU integrates Sakai with other systems using a Web Services approach while minimizing the need for customizing Sakai's core code.

We wanted a way to import data from other campus systems into our Sakai instance in real time. With our custom built POJO (Plain Old Java Object) marshallers and POJO generator, handling complex XML/JSON becomes a joy. This tool can be extended to handle more tasks as needed at your institution. You can also easily turn off the integration or remove the tool completely from Sakai.

**AT** 1:30pm to 2:15pm, Tuesday 2nd June

**IN** Baltimore B, Renaissance Baltimore Harborplace Hotel

## Open Source Licensing in Apereo and Beyond

by John A. Lewis

Many of us work in open source projects without really understanding all the details about open source licensing and how intellectual property should be managed. In this session we will talk what it means to be open source, what "copyleft" means, how a few of the major open source licenses work, how to handle copyright ownership, and what contributor agreements do. We'll also talk specifically about how Licensing and Intellectual Property are managed in the Apereo Foundation.

**AT** 1:30pm to 2:15pm, Tuesday 2nd June

**IN** Watertable C, Renaissance Baltimore Harborplace Hotel

## Sakai Course Map

by Lincoln Stewart, Seth Marquez and Alan Myers

The purpose of this document is to show a tool made in Sakai that provides an alternative way for professors to visually lead their students through a class' learning outcomes. The navigational structure is based on a partially ordered graph that can be manipulated with constraints by professors. This provides an alternate way for the students to move through the material in a course. In each lesson students will be able to view all the assignments for that section along with the ability to view links for content that will help support them through the assignments. If a particular assignment is dependent on a previous one, even in another lesson, and the professor knows that students have trouble here the student will see a link that will send them back to the previous lesson with access to the previous content in order to assist them. This is a student presentation and the team will share perspectives on working with an open source community.

**AT** 1:30pm to 2:15pm, Tuesday 2nd June

**IN** Maryland A, Renaissance Baltimore Harborplace Hotel

## Sakai Message Bundle Manager

by Earle Nietzel

Sakai has a new admin tool "Message Bundle Manager".

Give a short demo of the tool and then discuss how the tool was built and the technologies used.

- Spring MVC - <http://projects.spring.io/spring...>
- Thymeleaf - <http://www.thymeleaf.org/>
- Dandelion Datables - <http://dandelion.github.io/datat...>

**AT** 1:30pm to 2:15pm, Tuesday 2nd June

**IN** Watertable A, Renaissance Baltimore Harborplace Hotel

## **Sakai Project Report**

by Charles Severance

This presentation will be a summary of the Sakai Project activities for the previous year as well as a look forward as to what we expect to accomplish for the next year for Sakai. The presentation will include various members of the Sakai developer and leadership community.

**AT** 1:30pm to 2:15pm, Tuesday 2nd June

**IN** Maryland F, Renaissance Baltimore Harborplace Hotel

## **Sakai Wiki - Is LTI in our future?**

by Neal Caidin, Matt Clare and John Digilio

There has been a lot of discussion about the Sakai wiki and the consensus seems to be that it is a valuable tool, but needs improvement. Our goal is to make the Sakai wiki experience more in line with improvements happening in the rest of Sakai and more sustainable and manageable for our development community.

Do IMS LTI choices provide the answer and flexibility for institutions to choose their own wiki? Or should we standardize on an LTI wiki and extend it to best meet the functional needs of our community?

What other options do we have?

How do we make this happen?

Existing investigations are available on our Community documentation space - <https://confluence.sakaiproject...>

**AT** 1:30pm to 2:15pm, Tuesday 2nd June

**IN** Fells Point, Renaissance Baltimore Harborplace Hotel

## **STEP: The Samigo Tests Enhancement Project**

by Wilma Hodges, David Bauer, Neal Caidin, Jim Mezzanotte and Martin Ramsay

STEP is a community effort that grew out of the Sakai Virtual Conference held in November of 2014. As an added benefit of the conference, the registration fees for this online event were pooled to go toward Sakai development. Conference attendees had an opportunity to submit ideas for Sakai features or enhancements, and also vote on the item to be selected for development. When the votes were tallied, the top pick for use of conference funds was Samigo (a.k.a. the Tests and Quizzes tool). We then dubbed the project as the Samigo Tests Enhancement Project (STEP) and began the process of reviewing, selecting, and developing Samigo features using these funds. This presentation will discuss the stages of the project, what STEP has accomplished over the past several months, and will also showcase the new Samigo features that have come out of this effort. Attendees will get a sneak preview of the new Tests and Quizzes tool features targeted for inclusion in Sakai 12.

**AT** 1:30pm to 2:15pm, Tuesday 2nd June

**IN** Homeland, Renaissance Baltimore Harborplace Hotel

## **Survey of Psychology PSY100**

by Alexander Nagurney and Patrick Smith

Effectively implementing a game-based, or “gamified” approach to instruction can seem like an overwhelming task for educators...but does it have to be? For this project, Dr. Alexander Nagurney, from University of Hawaii at Hilo, and Patrick Smith, from Texas State University, collaborated to determine if implementing simple, game-based elements into a traditional higher education instructional model would improve student attendance, performance, and satisfaction. They designed and delivered a gamified design of a freshman level Psychology course against its non-gamified counterpart, and are excited to share their experiences, as well as discuss implications for future offerings.

**AT** 1:30pm to 2:15pm, Tuesday 2nd June

**IN** Watertable B, Renaissance Baltimore Harborplace Hotel

## **BOF: Turnitin Integration Future Plans**

by Adam Marshall

iParadigms have announced their intention to withdraw the current Turnitin API (known as the ‘Legacy API’) which means that current ‘content-review’ integration used by Assignments needs to be rewritten. iParadigms have said that they will offer a new API based on IMS LTI + extensions which will allow the integration with Assignments to offer equivalent functionality. Come join this Birds of a Feather to talk about how the community can work together to develop this new integration.

**AT** 2:30pm to 3:15pm, Tuesday 2nd June

**IN** Fells Point, Renaissance Baltimore Harborplace Hotel



## Continuous User Engagement for User-Friendly Designs

by Jim Helwig

Too often we deploy an application only to find out that we perhaps did not do the best job at addressing the needs of the user. This presentation will describe how UW-Madison aggressively engaged users throughout the design, implementation, rollout, and further improvement of My UW-Madison. Techniques include one-on-one interviews, group forums, surveys, design sprints, user testing and observation, social-based suggestions with voting, and form-based feedback. We believe the extensive, yet relatively easy, continual engagement with our end users has allowed us to create a modern and very user-friendly design.

**AT** 2:30pm to 3:15pm, Tuesday 2nd June

**IN** Maryland E, Renaissance Baltimore Harborplace Hotel

## Duke's Search for a Simple, Secure Video Publishing Tool

by Todd Stabley, Elise Mueller and Jolie Tingen

Duke spent the last several years addressing the seemingly simple problem of securely publishing video using an enterprise identity management system. Use cases include videos where copyright restrictions are involved, among many others. We realized we were looking for something that didn't exist yet--a tool geared toward education that lives somewhere between Media Asset Management systems and YouTube-like corporate video portals. Something a broad community of users can use to publish the same media asset anywhere--in Sakai, on a Wordpress blog, or share by URL--and have it honor access restrictions anywhere. We found a team of local programmers who built a product to our specs called Warpwire, and Duke is in the process of deploying it this semester.

In this session we'll talk about our search for Warpwire, share information about its structure and deployment at Duke, discuss use cases driving our need for a this tool, and showcase the LTI integration Warpwire created for Sakai.

**AT** 2:30pm to 3:15pm, Tuesday 2nd June

**IN** Watertable B, Renaissance Baltimore Harborplace Hotel

## EDExchange State of Projects

by Lou Delzompo

TBD

**AT** 2:30pm to 3:15pm, Tuesday 2nd June

**IN** Maryland F, Renaissance Baltimore Harborplace Hotel

## ESUP-Portail & OAE: Keys to success

by Alain Mayeur, Frederic Dooremont and Mathilde Guerin

For the last few years, the collaboration between the Apereo Foundation and the ESUP-Portail Consortium has been growing significantly. Ever since the signature of a Memorandum between Apereo and ESUP-Portail in 2012, the collaboration process has been even more productive and resulted in multiple contributions in various projects like OAE, uPortal, portlets, etc. After a short description of the ESUP-Portail Consortium, this presentation will focus on the work being done in France regarding the Apereo OAE project. Indeed, the Consortium has shown considerable interest in this project from the very beginning which is why they decided in 2012 to host their own OAE instance. Providing tenants for several French institutions has given them the opportunity to identify actual use cases and encouraged them to start developing their own OAE widgets. In the end, the goal of this session is to reflect on their own experience with OAE, facts about its usage, deployment and development.

**AT** 2:30pm to 3:15pm, Tuesday 2nd June

**IN** Watertable C, Renaissance Baltimore Harborplace Hotel

## **Getting More College Students Involved In Open Source**

by Ian Dolphin and John A. Lewis

Working in a collaborative open source project is one of the most valuable experiences an aspiring software engineer can have. The Apereo Foundation is launching a new "Student Contributors" program this year to get more college students involved in developing enterprise-level open source software that is actively used by their own colleges and universities. Come learn more about the program and talk with us about your ideas for the goals, activities, and partnerships the program should pursue.

**AT** 2:30pm to 3:15pm, Tuesday 2nd June

**IN** Watertable A, Renaissance Baltimore Harborplace Hotel

## **LEAP - Lessons Enhancement Project - Process and Results**

by Josh Baron, Neal Caidin and Luisa Li

The Sakai Lessons tool (previously known as Lesson Builder) has garnered a significant amount of attention over the past two years as it provides new and innovative capabilities for authoring sequenced instructional content that includes rich media and other interactive elements. Although broadly applicable in a range of instructional context, these capabilities are particularly powerful when developing online courses, flipped classrooms and MOOCs, all of which are important trends which are gaining increased attention within higher education.

Based on interest from the community, the Teaching and Learning group launched a successful fund raising effort to enhance the user interface of the Lessons tool, the "Lessons Enhancement Project" or LEaP as we've come to call it. Come see the improvements made, learn about the process and lessons learned, and join in the discussion of what comes next.

**AT** 2:30pm to 3:15pm, Tuesday 2nd June

**IN** Maryland A, Renaissance Baltimore Harborplace Hotel

## **Sakai Test Framework**

by Gareth Leonard and Earle Nietzel

Sakai Automated Test Framework  
<https://github.com/asahinet/saka...>

User testing in sakai has always been cumbersome, time consuming, manual. The SATF project hopes to turn this around and make testing Sakai fun. To achieve this SATF makes testing simple and easy so much so it can be used by anyone with little experience.

Demo how to use and create automated tests for Sakai.

**AT** 2:30pm to 3:15pm, Tuesday 2nd June

**IN** Maryland D, Renaissance Baltimore Harborplace Hotel

## **What does higher ed need in an online test engine?**

by Laura Gekeler, David Bauer, Jeff Davidson, Wilma Hodges and Jim Mezzanotte

Join us for a discussion of where Tests & Quizzes (the Samigo codebase) is today. Does Samigo meet our 21st century needs for an online testing engine? What are the attributes needed in such an online testing delivery platform? Does it need to be a native Sakai tool? Does it need to support 1000's of simultaneous test takers? Do instructors author tests elsewhere and import into it? What security features are you looking for?

This facilitated panel discussion stars you, those who choose to share the room with us. We'll share our thoughts and ask you for yours. We'll have a note taker and be video taping to make our thoughts available to those who can not join us.

Panelists include: Wilma Hodges, Longsight; Laura Gekeler, University of Notre Dame; Jim Mezzanotte, ANI; David Bauer, University of Dayton.

**AT** 2:30pm to 3:15pm, Tuesday 2nd June

**IN** Homeland, Renaissance Baltimore Harborplace Hotel

## **Annual General Meeting**

by Ian Dolphin

TBD

**AT** 3:45pm to 4:30pm, Tuesday 2nd June

**IN** Maryland A, Renaissance Baltimore Harborplace Hotel

## **Lightning Talks**

by multiple presenters

A lightning talk is a very short presentation lasting only a few minutes (5 minutes). Several will usually be delivered in a single period by different speakers.

Lightning talks will be held on Monday and Tuesday at 3:45 - 4:45pm

Sign-up for Monday's lightning talks will begin a few weeks prior to the conference. We'll post the sign-up sheet soon! A sign-up sheet will also be available in front of the conference room.

**AT** 3:45pm to 4:30pm, Tuesday 2nd June

**IN** Baltimore A, Renaissance Baltimore Harborplace Hotel

## **The latest about the Central Authentication Service**

by Misagh Moayyed

This session will summarize the achievements in the latest available Central Authentication Service server product and available plugins and enhancements in the community around CAS. Specifically the discussion will provide an overview of the latest features, changes in the protocol and updates on documentation efforts. Quick overview of CAS integration methodologies with other applications, in particular the Shibboleth Identity Provider, may also be touched.

Attendees will take away an appreciation for the latest progress and how they might locally realize it and benefit by it.

**AT** 3:45pm to 4:30pm, Tuesday 2nd June

**IN** Maryland F, Renaissance Baltimore Harborplace Hotel

## **WEDNESDAY 3RD JUNE 2015**

### **Breakfast**

**AT** 7:30am to 8:30am, Wednesday 3rd June

**IN** Maryland B, Renaissance Baltimore Harborplace Hotel

## **General Session: The Real Meaning of Open...**

by Patrick Masson

What the heck does "open" even mean any more? OK, we all value open source software, open source hardware, open source textbooks, open courses, open access, ah... open source cola,

hmm... open source beer, oh and open source washing machines--ah, OK...maybe?!?! But with the success of open source software, we--especially in higher ed--now find ourselves in an "economy of open-ish" where projects and communities hoping to benefit from the same development and distribution model that made open source software so successful, compete with "fauxpen source," are muddled by "open-washing" and are even dismissed by the "post open source software" movement.

In my presentation I will explore these issues facing open source development and communities today, then offer some ideas on how to address each in order to foster continued growth and authenticity in the open source movement.

**AT** 8:30am to 9:30am, Wednesday 3rd June

**IN** Maryland D, Renaissance Baltimore Harborplace Hotel

## **2015-16 Learning Analytics Initiative (LAI) Planning Discussion**

by Josh Baron and Alan Berg

This will be an open discussion on the Apereo Learning Analytics Initiative (LAI) plans for the 2015-16 academic year. This group formed last year and now has several activities underway related to the development of an open platform for learning analytics. This BoF session, which is open to anyone who is interested, will focus on plans for the coming academic year and the possibility of the project working to enter incubation under Apereo.

**AT** 9:45am to 10:30am, Wednesday 3rd June

**IN** Homeland, Renaissance Baltimore Harborplace Hotel

## **A new approach to Sakai mobile apps**

by Diego del Blanco Orobítg

A better mobile experience is a long-standing requirement in the Sakai community. Although the development of multiple native mobile apps for specific tools has presented many challenges, recent Sakai advances, such as new RESTful and CXF web services, can help simplify mobile app creation. And while the Morpheus responsive design project for Sakai 11 will hopefully minimize the need for a wide range of mobile applications in Sakai, mobile apps still hold great potential for enhancing the mobile experience.

In this presentation, we'll consider some new approaches to creating Sakai mobile apps. The focus will not be on replicating large feature sets, but instead on identifying key use cases, such as notifications, where simple lightweight apps can best serve mobile users.

**AT** 9:45am to 10:30am, Wednesday 3rd June

**IN** Baltimore B, Renaissance Baltimore Harborplace Hotel

## **BOF: Lessons**

by Adam Marshall

Lessons is one of the most powerful and useful tools in Sakai, providing flexibility for instructors to organize their classes in the most engaging way possible. Come join this Birds of a Feather to share best practices, answer each other's questions, and come up with new ideas.

**AT** 9:45am to 10:30am, Wednesday 3rd June

**IN** Fells Point, Renaissance Baltimore Harborplace Hotel

## Conservation Statistics

by Lucy Tallents

Wildlife conservationists in the developing world are the keepers of biodiversity, yet they lack access to training in research techniques to support their valuable work. By studying online they don't need to interrupt their work or pay the costs of overseas travel. This Sakai course is full of team activities and engaging learning materials. Students from around the world work together to learn how solutions developed on a different continent can help species in their local area. Feedback from their tutor and fellow students helps them to assess their attempts to save species, using scientific methods to improve their approach.

**AT** 9:45am to 10:30am, Wednesday 3rd June

**IN** Maryland E, Renaissance Baltimore Harborplace Hotel

## Crowd-Sourced Ideas for Using Lessons in Online Teaching

by Salwa Khan

The intent of this session is to present on one instructor's method of using Lessons to present content in an online course, and then to crowd-source ideas from attendees on alternate methods.

The Lessons tool is fairly new to Sakai, but is popular because it allows instructors to organize and present course content. This is especially valuable for instructors who teach online. In this session, Salwa Khan at Texas State University, presents on some of the challenges of taking a face-to-face Digital Media class and moving it to a fully online course.

The main challenge was a basic one, which is how to present course content to students in an organized and interesting way?

Using Lessons, course content was organized into ten topics, with each topic formatted in a standard way to lead students through the content. Each topic is a menu item in the course site and contains text, images, videos and links to resources.

Following a 15 minute presentation, attendees will be asked to propose alternate ways of structuring course content. The intent is to leave the session with several crowd-sourced ideas on using Lessons in online teaching.

**AT** 9:45am to 10:30am, Wednesday 3rd June

**IN** Baltimore A, Renaissance Baltimore Harborplace Hotel

## Introducing Bedework 3.10

by Arlen Johnson

Bedework is an open-source, standards-compliant enterprise calendar system that supports public, personal, and group calendaring. Since its first release in 2006, Bedework has been adopted by public and private organizations both large and small. The latest version, Bedework 3.10, features a largely revamped public client incorporating responsive design and the capacity to construct complex filters for finding events and producing data feeds. In personal calendaring, Bedework 3.10 introduces vpoll, a standard mechanism for handling consensus scheduling. This presentation will demonstrate Bedework 3.10 highlighting the newest features in both public and personal calendaring.

**AT** 9:45am to 10:30am, Wednesday 3rd June

**IN** Maryland F, Renaissance Baltimore Harborplace Hotel

## iOS real time content modifications using websockets

by benny weingarten-gabbay

When developing web apps, one can open FireBug and make changes to texts and images on the spot, immediately seeing the effect. When developing mobile applications, each change requires code modification, recompile and a reinstall. This makes the development cycle of mobile application longer and more tedious.

In this talk I present [BetterContent](<https://github.com/gardenofwine/better-content-server>), a tool that allows editing of an iOS mobile app in runtime, in a fun and easy way. I'll talk about:

- Motivation and need for a proper DevTools for iOS and Android application
- Current solutions that exist out there (such as Flipboard FLEX)
- Coding techniques I use on the native side (iOS, cocoapods)
- Websokets and how I implemented them using open source tools and free hosting on Heroku using node.js.

**AT** 9:45am to 10:30am, Wednesday 3rd June

**IN** Watertable A, Renaissance Baltimore Harborplace Hotel

## Practical Accessible Content & Update from Sakai A11y Working Group

by Matt Clare

Practical tips and techniques about how web accessibility is evaluated, a review of accessibility standards and tips for creating accessible content in the Sakai CKEditor and generally. Basics of web accessibility will be covered as well the status of the current Sakai Project and accessibility, including recent accessible audit results and plans. After attending this presentation: Content creators will learn how to create content that is more accessible. Developers new to accessibility will learn about best practices in web accessibility, including evaluation the accessibility of web sites. Administrators will have answers for those that need to know about the LMS' accessibility.

**AT** 9:45am to 10:30am, Wednesday 3rd June

**IN** Maryland A, Renaissance Baltimore Harborplace Hotel

## **Virtually yours, Conference in a box: Creating Talking spaces 101**

by Wilma Hodges and Dede Hourican

Virtual events are great ways to connect, network and collaborate in an interactive, virtual environment without many of the costs involved with hosting on-site events. Attendees can benefit from conference presentations, meet industry leaders, interactively collaborate with peers, and download information - all without the time and costs needed to travel. This session will provide practical tips, checklists and lessons learned for running a successful virtual event. The Sakai Virtual Conference will be used as an example, but the planning tips and strategies shared can be applied to any virtual event for any community of interest.

**AT** 9:45am to 10:30am, Wednesday 3rd June

**IN** Watertable C, Renaissance Baltimore Harborplace Hotel

## **BOF - Delegated Access**

by Andrew Ray and Yi Zhu

Wake Forest will lead a discussion on their transition from using the "Junior Admin" configuration which involved manipulating the !site.helper realm to the "Delegated Access" tool delivered in Sakai 2.9. Delegated Access is a configurable tool, but requires the manipulation of Site Properties. As delivered, this is a manual process. Wake Forest has automated the process through the use of the sakora-csv SIS load process and by using in-house created web services. We have also developed a mechanism for mass loading the properties. Wake Forest will describe/demonstrate these modifications.

We would also like to hear from other institutions on how they are maintaining their Delegated Access implementation. We welcome any institution that may be using other means to grant access to Sakai to add to the conversation or any institution wanting to learn more on how to use the Delegated Access tool.

**AT** 10:45am to 11:30am, Wednesday 3rd June

**IN** Fells Point, Renaissance Baltimore Harborplace Hotel

## **Communicating in the Open: Crowdsourcing Sakai's Strategic Communications**

by Dr. Mark Van Dyke

Project Description

This presentation will describe how a Marist College project team of 25 students in three different courses, 2 interns, and 2 faculty members located in five U.S. states and London,



England, applied teaching and learning theory to a collaborative academic project supported by Sakai's collaborative learning environment (CLE) and Apereo's Open Academic Environment (OAE).

The goal? Find a way to provide Sakai's open source community with high quality, affordable, and sustainable strategic communication services.

The outcome? The Marist team used an open source model to propose an innovative, crowdsourcing approach to plan, deliver, and manage Sakai's communications.

#### What Attendees Will Take Away

- How to apply adult learning theory (andragogy) to motivate students, achieve course goals, and provide a distinctive educational experience.
- How to erase barriers created by different course sites and schedules, and enhance communication and collaboration by integrating CLE and OAE platforms.
- How to use Sakai's open source model and crowdsourcing to manage large-scale academic projects and provide professional services.

**AT** 10:45am to 11:30am, Wednesday 3rd June

**IN** Baltimore A, Renaissance Baltimore Harborplace Hotel

## **Designing and Building Effective Assessments: It's not about all about Total Recall**

by Beth Marcellas, Eric Hanson, Brandon Henry and Dina Kurzweil

Did your students learn what you intended for them to learn? Answering that question accurately requires the use of effective assessment. Some online instructors may default to a multiple choice test because that's a straightforward measure (and relatively easy to create), but it is only one possibility available in Sakai. With a multitude of tools available, how do you decide which to use? Aligning assessments with instructional objectives is a crucial step in this process. This session will describe different types of instructional objectives, explore ways to assess student learning of those objectives, and provide examples of uses of different tools in Sakai to assess a variety of types of student learning.

By the end of this session, attendees will be able to:

- Identify effective techniques for assessing whether students have attained different types of goals and objectives
- Using the goal of an assessment as a guide, select an appropriate tool for that assessment.

**AT** 10:45am to 11:30am, Wednesday 3rd June

**IN** Watertable C, Renaissance Baltimore Harborplace Hotel

## **Lights, Camera, Sakai! Creating an Instructional Video for First-Time Student Sakai Users**

by Ben Royas , Oliver Conrad and Ric Heffern

Right before the fall semester gets underway, Claremont McKenna College hosts a New Student Orientation for incoming freshman students. Part of this week long orientation includes a presentation on campus technology resources, such as Sakai. Rather than using a traditional, live demonstration of Sakai and its features which can sometimes fail to capture and maintain the students' attention, we worked with current student Instructional Technology Assistants (part of our Student Technology Assistance Team) and students from CMC's Center for Writing and Public Discourse to create a short, entertaining instructional video. This presentation will examine the impetus behind the video project and give the audience a behind-the-scenes look at how this project has continued to develop over the past two years. From the drafting of the script to casting characters and filming and editing, this presentation is an excellent opportunity for attendees to consider their own student training initiatives and how they can better engage and appeal to their intended audience. Attendees can also expect to take-away ideas for similar student-based video projects as well as specific examples of the equipment, time, and staff needed for such an endeavor on their own campus.

**AT** 10:45am to 11:30am, Wednesday 3rd June

**IN** Kent, Renaissance Baltimore Harborplace Hotel

## Portlets in Clojure

by Benito Gonzalez

Clojure is fast becoming a popular functional language that runs in the Java Virtual Machine (JVM). Clojure has a build / integration tool that fully supports Maven repositories to simplify access to common Java libraries. It has such great integration with Java that portlet development is quite feasible. After attending this session, you will be able to leverage the advantages of functional programming in new portlet projects.

**AT** 10:45am to 11:30am, Wednesday 3rd June

**IN** Watertable A, Renaissance Baltimore Harborplace Hotel

## State of the uPortal 2015: The Age of Respondr

by Drew Wills and Andrew Petro

This presentation is the 2015 installment of the annual State of the uPortal update. In this session we will showcase new developments in the uPortal platform that have come about in the previous twelve months (since the last conference). This period has been one of significant activity and innovation in the uPortal platform.

Some of these exciting developments include:

- "Chromeless" portlets & hover chrome
- 6-column layouts
- Lightbox CONFIG & EDIT modes
- Portlet Manager enhancements
- Administrative UX improvements

- Transient layout nodes for guest users
- Tincan API support

AT 10:45am to 11:30am, Wednesday 3rd June

IN Maryland F, Renaissance Baltimore Harborplace Hotel

## **The evolution of a professional development series preparing faculty to teach online**

by Charles Bristow

The Center for Teaching, Learning, and Technology at Illinois State University offers a workshop series for faculty transitioning from traditional to online teaching. We desire to encourage departments to make strategic decisions about online course offerings, and to ensure they are well-designed. This workshop series has been converted from a web-enhanced to a blended model using ISU's version of Sakai. The foundation of the conversion was built upon the General Standards of the Quality Matters Rubric to ensure a holistic design. Participants are enrolled as students in a main course site and as instructors in sandbox sites. Faculty participate in online discussions and complete assignments, enhancing their understanding of the student perspective in an online course, which has proven beneficial. The program has retained a face-to-face component, because it provides opportunities for interaction with mentors, exchange of ideas among the cohort, and hands-on technical training.

AT 10:45am to 11:30am, Wednesday 3rd June

IN Maryland A, Renaissance Baltimore Harborplace Hotel

## **uMobile State of the Project**

AT 10:45am to 11:30am, Wednesday 3rd June

IN Watertable B, Renaissance Baltimore Harborplace Hotel

## **Multi-Tenant Portals: Two Perspectives**

by Drew Wills, Tim Calhoon and Jim Peterson

Some of the most innovative capabilities emerging in the uPortal platform are in the area of multi-tenancy: the ability for a single portal to "host" several distinct organizations with their own brand identity, content, and community of users. In multi-tenant portals, the parent ("operator") organization maintains the server infrastructure, the source code, and some portal content, but tenant representatives manage their own identity and the experience of their users. Tenants can come in many forms, including colleges, campuses, professional schools, or school districts in a K-12 environment.

This session is a panel discussion focused on the special challenges, priorities, strategies, and practices that matter to multi-tenant portals. Our panelists are Tim Calhoon of the California Community Colleges Technology Center (CCCTC) and Jim Peterson of IlliniCloud. Our

panelists are leading the development of state- or system-wide portals intended for dozens - or hundreds - of tenants.

**AT** 11:45am to 12:30pm, Wednesday 3rd June

**IN** Watertable A, Renaissance Baltimore Harborplace Hotel

## **Notifications BoF**

by Jim Helwig

Discussion of how campuses are tackling personalized and centralized notifications. A number of schools are looking at implementing a solution that allows for notifications to be created by a variety of systems and applications (e.g., learning management systems, HR systems, student admin systems, library systems) yet all appear in an aggregated manner. We will discuss the role uPortal can play in such a system as well as what options there may be for schools not using uPortal.

**AT** 11:45am to 12:30pm, Wednesday 3rd June

**IN** Fells Point, Renaissance Baltimore Harborplace Hotel

## **Sakai Community - Communicate, Celebrate and Participate!**

by Neal Caidin, Josh Baron, David Bauer, Wilma Hodges, Jim Mezzanote and Jeff Pasch

The Sakai Community is a vibrant set of people with many different backgrounds, from higher level administrators at educational institutions, to developers at Sakai commercial affiliates, to instructors, and technology specialists and everything in between. The ways to participate are multifarious as well. Discussions about Sakai use in teaching and learning, QA testing to ensure Sakai releases are of the highest quality, Sakai help documentation writing and editing, penetration testing to identify and fix security issues proactively, and participation on one of the many Sakai sub-groups are common examples. Over the last couple of years, several of the sub-groups that have emerged are project 'do-ocracy' groups, groups that identify a need or improvement for Sakai and create the organization and funding to make it happen.

Come hear from community members, and the Sakai community coordinator about the latest developments in Sakai, celebrate our successes and consider how you can fit in too!

**AT** 11:45am to 12:30pm, Wednesday 3rd June

**IN** Baltimore B, Renaissance Baltimore Harborplace Hotel

## **State of the Project - Xerte**

by Julian Tenney and Ron Mitchell

Interactive and accessible learning materials with Xerte

Xerte Online Toolkits is a free, open source and award winning suite of browser-based tools that allow absolutely anyone with a web browser to create mobile friendly, highly accessible and interactive learning materials quickly and easily with no need for specialist skills. The Xerte Project and The Apereo Foundation are delighted to offer this free half day workshop on Xerte Online Toolkits at Open Apereo 2015.

Xerte Online Toolkits is widely used in institutions and organisations all over the world, receiving outstanding praise for its ease of use and high levels of native accessibility. The tools are suitable for specialists and non-specialists alike and the Xerte Project fosters an enthusiastic and friendly community of users and developers worldwide. We invite you to join us for the morning or afternoon in Baltimore on 31st May. Places are limited, so book now to reserve your place and discover how Xerte Online Toolkits is putting technology into the hands of teachers, technologists and learners as well as more specialist developers all over the world.

In this session, the developers will provide a comprehensive overview of the project and introduce you to Xerte Online Toolkits.

"As an open source tool Xerte is in a league of its own. I love that it is easy to use without extensive technological knowledge; the way it embraces the integration of other tools; the possibility to make it available to students; and the quick responses from the community email list."

"My students love using Xerte, and I love the simplicity of preparing resources. We most particularly make use of the Categories question and the Transcript Reading feature. Thank you for providing this wonderful resource."

"I have used Xerte with students and graduate interns to develop resources for the public and for college students who are transitioning into university. I think it is fantastic"

"Xerte is easy to use, output in HTML5. It got standardized templates with possibilities of embedding HTML. A lot interactive templates, more than a lot of expensive competitors"

**AT** 11:45am to 12:30pm, Wednesday 3rd June

**IN** Maryland F, Renaissance Baltimore Harborplace Hotel

## Closing Lunch

**AT** 12:30pm to 1:00pm, Wednesday 3rd June

**IN** Maryland B, Renaissance Baltimore Harborplace Hotel