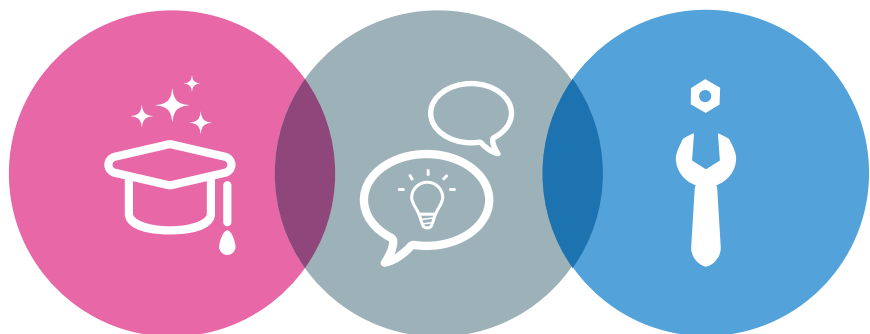
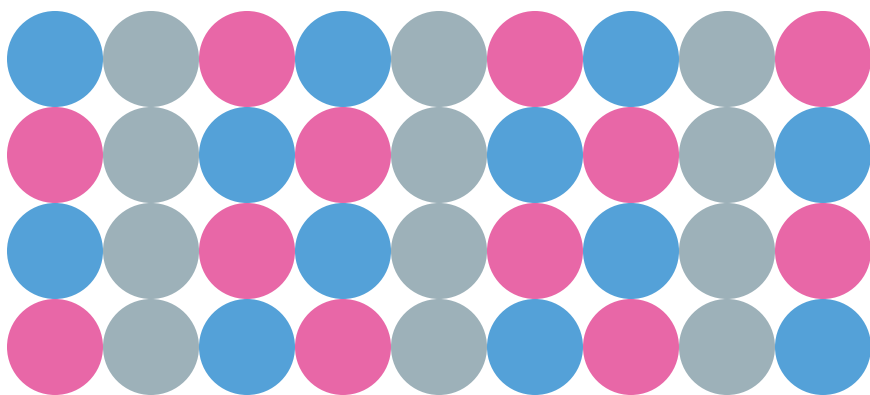


OCTOBER 12 - 13, 2015, WELLESLEY COLLEGE



OPEN EDX CONFERENCE

POWERED BY
OPENedX

#OPENEDX2015





Hello attendees:

We are thrilled to welcome you to our second Open edX conference, designed to bring together the powerful triumvirate of skills, intelligence, and passion that make up the global Open edX community.

The edX team and our partners and contributors have worked hard to bring you an exciting event. From keynotes by Mitch Resnick and Jeff Jaffe to a wide range of open education technology thought leaders and doers, the goal of this conference is to make us all think harder and learn more. We have focused on a few core themes for this event: deploying and developing the Open edX platform; course authoring; and lessons learned from past and current Open edX implementations. We also have sessions on the important subject of analytics to help us understand better the data we work with. I hope you find several talks during the next two days that map to your particular interests.

As the Open edX platform is used worldwide to host MOOCs, classes, training, and increasingly more types of learning, we thank all of you—partners, faculty, developers, systems administrators, education specialists, course teams, and all others who work with the platform—for helping to drive forward the global open movement.

A special thank you to our sponsors for supporting the event, and to our friend and partner Wellesley College for hosting us on its lovely New England campus.

We look forward to a great event.

Sincerely,

Anant Agarwal
CEO, edX
Professor, MIT

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VENUES

DIANA CHAPMAN WALSH ALUMNAE HALL



LULU CHOW WANG CAMPUS CENTER



Photo by Kaela Bryan CC-BY-ND

Both venues are located on the Wellesley College campus at:
106 Central St, Wellesley, MA 02481

SCHEDULE AT A GLANCE

MONDAY October 12

8:30 – 10:00am	Breakfast & Registration	LWC, 2nd Floor
10:00 – 10:30am	Welcome Anant Agarwal	AH, 2nd Floor Auditorium
10:30 – 11:15am	Keynote Mitch Resnick	AH, 2nd Floor Auditorium
11:15am – 12:00pm	State of Open edX	AH, 2nd Floor Auditorium
12:00 – 1:30pm	Lunch Demo Tables	LWC, 1st Floor
1:30 – 2:00pm	Breakout Sessions 1 *	
2:10 – 2:40pm	Breakout Sessions 2 *	
2:50 – 3:20pm	Breakout Sessions 3 *	
3:20 – 3:50pm	Break Demo Tables EdCast Speaker Interviews	LWC, 1st Floor Foyer LWC, Room 413
3:50 – 4:50pm	Lightning Talks	AH, 2nd Floor Auditorium
5:30 – 6:30pm	Reception <i>sponsored by ExtensionEngine</i>	LWC, Courtyard

* For room locations and session details, turn to pages 8 – 18

LWC = Lulu Chow Wang Campus Center

AH = Diana Chapman Walsh Alumnae Hall

TUESDAY October 13

9:00 – 10:00am	Breakfast & Registration	LWC, 2nd Floor
10:00 – 10:30am	Breakout Sessions 1 *	
10:40 – 11:10am	Breakout Sessions 2 *	
11:20 – 11:50am	Breakout Sessions 3 *	
12:00 – 12:30pm	Breakout Sessions 4 *	
12:30 – 2:00pm	Lunch <i>Sponsored by Microsoft</i> Demo Tables	LWC, 1st Floor
2:00 – 2:45pm	Keynote Jeff Jaffe	AH, 2nd Floor Auditorium
2:45 – 3:00pm	Closing Remarks	AH, 2nd Floor Auditorium
3:00 – 3:15pm	Unconference Kick-Off	LWC, 1st Floor
3:15 – 5:00pm	Unconference Demo Tables EdCast Speaker Interviews Continuous Integration Workshop	LWC, 1st Floor Foyer LWC, Room 413 AH 102

KEYNOTE SPEAKERS



MITCH RESNICK

LEGO Papert Professor of Learning Research and head of the Lifelong Kindergarten group at the MIT Media Lab

Mitchel Resnick has been teaching and learning technology with children since the early 1990s. Along the way he has developed innovative tools, philosophies, and approaches to pedagogy. He focuses on the importance of learning over formal education structures, and creative approaches to learning.

Give P's a Chance: Cultivating Creativity through Projects, Peers, Passion, and Play

The world is changing more rapidly than ever before. Today's students will be confronted with a never-ending stream of unknown, uncertain, and unpredictable situations throughout their lives. Their success and happiness will depend upon their ability to think and act creatively.

In this presentation, I will discuss strategies for helping students develop as creative thinkers, based on a framework of Projects, Peers, Passion, and Play. I will draw on examples from two initiatives organized by my research group at the MIT Media Lab: the Scratch online community (scratch.mit.edu) and the Learning Creative Learning online course.



JEFF JAFFE

CEO, World Wide Web Consortium

In his role as CEO of the W3C, he works with W3C staff, membership, and the public to evolve and communicate W3C's mission to be the leading forum for technical development and stewardship of the Web.

Dr. Jaffe's roles prior to joining W3C include Executive Vice President and Chief Technology Officer for Novell, president of Bell Labs Research and Advanced Technologies, and chairman of the board of the New Jersey Nanotechnology Consortium. Early in his career, after receiving a Ph.D. in computer science from MIT in 1979, Dr. Jaffe joined IBM's Thomas J. Watson Research Center.

Driving Adoption of Open Web Standards

The World Wide Web Consortium (W3C—www.w3c.org) was created over 20 years ago by the inventor of the Web, Sir Tim Berners-Lee in order to ensure the long-term growth of the world-wide web. In his keynote, Dr. Jaffe will describe why open web standards are critical to the success of the web and in making the web a free, open and accessible environment for sharing knowledge.

One mechanism that has been used is to offer education in these standards directly from W3C. This has been a path which has expanded from the W3DevCampus (www.w3devcampus.com) training program to the highly successful launch of the W3C's courses on edX, the "Learn HTML5 from W3C" XSeries (www.edx.org/xseries/html5-w3c).

BREAKOUT SESSIONS

MONDAY

	TISHMAN (LWC, 1ST FLOOR)	BALLROOM WEST (AH, 1ST FLOOR)	BALLROOM EAST (AH, 1ST FLOOR)
SESSION 1 1:30 – 2:00PM	MIT Learning Object Repository for Education	Leveraging Open edX for Corporate Training	Life in the Avant-garde
SESSION 2 2:10 – 2:40PM	Developing for Accessibility	Online Geospatial Education in Africa through the Open edX Platform: Possibilities and Limitations	Semantic Tagging Using Asides in Studio
SESSION 3 2:50 – 3:20PM	Integrating Open edX with Campus Systems	Organizing the largest Open edX Hackathon Yet + the Winner: Embedding XBlock Exercises in Video	Open edX and Adaptive Learning

TUESDAY

	TISHMAN (LWC, 1ST FLOOR)	BALLROOM WEST (AH, 1ST FLOOR)	BALLROOM EAST (AH, 1ST FLOOR)
SESSION 1 10:00 – 10:30PM	ANALYSE: A Learning Analytics Extension for Open edX	Pragmatic Development Lessons from UX	Contributing to Open edX
SESSION 2 10:40 – 11:10PM	OpenStack for edX: Inside, and Out	Deploying SPOCs in a University Institution with Open edX: What Do We Need?	Digging Through the Data: MocoCzar
SESSION 3 11:20 – 11:50PM	Configuration Primer	Building Successful Open edX Instructors from Non-Faculty Domain Experts	Real Time Analytics Using ELK
SESSION 4 12:00 – 12:30PM	Navigating Barriers to Implementation of an International Medical Training Course in Developing Nations	Building the Plane While Flying it: Migrating an Existing MOOC to edX	edX Analytics

BREAKOUT SESSIONS

MONDAY October 12

1:30 – 2:00pm

MIT Learning Object Repository for Education

**TISHMAN
(LWC)**

Ferdi Alimadhi, MIT

We will discuss LORE, MIT's project for managing courseware content across courses, disciplines and runs. LORE enables you to import Open edX courses and be paired with metadata from analytics such as average grade and number of attempts. From there you can use it to find, categorize, and mix and match problems or sections of different courses to share and re-use existing content in new ways.

Life in the Avant-garde

**BALLROOM WEST
(AH)**

Régis Behmo, FUN

France Université Numérique (FUN) follows the master branch of the edX-platform repository closely. However, our infrastructure differs greatly from edX.org, in particular for storage. How do we manage to keep up with upstream development while maintaining our sanity? In this talk, we will describe our internal deployment processes, the tricks we found to overcome common issues, and our advice to edX developers to keep fostering a great open source community.

Leveraging Open edX for Corporate Training

**BALLROOM EAST
(AH)**

Cathy Herbert, Metalogix

Today's corporate learner needs access to on-demand training delivered in easily consumable chunks—anytime, anywhere. They also need a forum to "talk to the instructor." Open edX provides the perfect platform for a blended training model, giving users what they need and efficiently utilizing your training resources. As an example, we will discuss Targeted Sales Training for internal employees and partners. While traditional testing methods are effective, the Open edX platform gives us the ability to run "Best in Class" sales competitions. Open edX enables sales professionals to practice their pitch and get direct feedback from their manager and team members.

LWC = Lulu Chow Wang Campus Center

AH = Diana Chapman Walsh Alumnae Hall

2:10 – 2:40pm

Developing for Accessibility

**TISHMAN
(LWC)**

Mark Sadecki, edX

EdX is committed to making the Open edX platform a fully accessible platform in alignment with our goals, values, vision and mission, to enable our partners and the community to create quality educational experiences for everyone. We will talk about efforts underway to make the platform WCAG 2.0 AA compliant (and what that even means), as well as addressing specific, common accessibility challenges that Open edX contributors may encounter.

Online Geospatial Education in Africa through the Open edX Platform: Possibilities and Limitations

**BALLROOM WEST
(AH)**

Thomas Ballatore, Lake Basin Action Network

We discuss the particular challenges of translating a set of successful onsite geospatial training courses into a set of Open edX online courses for learners in Africa. We present the user experience work done for 14 African countries with our current Open edX courses as well as the experience and lessons learned that we are integrating into our planned courses on geospatial topics.

Semantic Tagging Using Asides in Studio

**BALLROOM EAST
(AH)**

Cole Shaw, MIT & Ross Strader, OLI

In this talk, we will discuss one of the first implementations of XBlock Asides, which we use to semantically tag problems in courses. Both MIT and the Open Learning Initiative at Stanford will present on their respective use cases and show how Asides can enhance the student and instructor experiences.

2:50 – 3:20pm

Integrating Open edX with Campus Systems

**TISHMAN
(LWC)**

Beth Porter, edX, Braden MacDonald, OpenCraft, & Phil MacGachey, Harvard

Learn about two major advances in the Open edX platform that support interoperability with campus systems: institutional identity providers and learning management systems. Using SAML (Security Assertion Markup Language) and Shibboleth, we now allow learners to authenticate using their school credentials. Using LTI (Learning Tools Interoperability), we also enable instructors to smoothly integrate Open edX instructional content into Canvas and Blackboard courses. We are joining a large community of service providers who enable learners to use online resources to deeply enrich their campus-based experiences. We will discuss the capabilities of these integrations, as well as the process used to design, validate, and implement the features.

Organizing the Largest Open edX Hackathon

Yet & the Winner: Embedding XBlock

**BALLROOM WEST
(AH)**

Exercises in Video

Philippe Chiu, IONISx, Elie Mietkiewicz, Gutenberg Technology, Arnaud Wijns, ULB, Hajar Mouradi

Find out the lessons learned during #openedxhack, the first Open edX Hackathons in France, and also the largest Open edX Hackathon yet with 180 participants.

We aim to encourage people to organize more Open edX Hackathon by sharing best practices. The French Open edX Hackathon winning team will also present their project: embedded quizzes in video using XBlocks.

Open edX and Adaptive Learning

**BALLROOM EAST
(AH)**

Ed Daciuk, ExtensionEngine

Adaptive learning. You've heard the hype; now learn how to deliver on its promise and potential. This discussion will delve into recent developments that allow the Open edX platform to provide adaptive learning pathways to users. We will discuss the emerging landscape of adaptive technology, illustrate the use cases for integrating adaptive learning into the Open edX platform, and show how a major international corporation is integrating third party solutions with Open edX to develop cutting edge, scalable courses with personalized learning pathways.

TUESDAY October 13

10:00 – 10:30pm

ANALYSE: A Learning Analytics Extension for Open edX

**TISHMAN
(LWC)**

Pedro José Muñoz Merino, Charles III University of Madrid

This proposal aims at presenting ANALYSE, a learning analytics tool developed for Open edX at Universidad Carlos III de Madrid. We will present the defined and implemented higher level indicators as transformation of low level data in ANALYSE as well as the correspondent visualizations. In addition, we will present ways of how to use ANALYSE by teachers and students in order to improve the learning process.

Pragmatic Development Lessons From UQx

**BALLROOM WEST
(AH)**

Andrew Dekker & John Zornig, University of Queensland

This talk reflects on the development that the UQx team has conducted over the last 18 months, and discusses the various tools we have developed to help UQx students achieve their learning objectives. We will detail how we decide which technologies and processes to use when developing a solution, and present recommendations on how to develop new tools within the Open edX platform.

Contributing to Open edX

**BALLROOM EAST
(AH)**

Xavier Antoviaque, OpenCraft & Sarina Canelake, edX

You want to contribute to edX? This talk will walk you through the Open edX contribution process, step by step, using a sample contribution as an example.

10:40 – 11:10pm

OpenStack for edX: Inside and Out

**TISHMAN
(LWC)**

Adolfo Brandes & Florian Haas, Hastexo

Your courses require dedicated development environments or even full, operational clusters, so you want each and every one of your students to have a fully scaled-out, distributed environment to play with (and break!). Furthermore, you want to leverage OpenStack, the hottest cloud tech on the market, for deployment of your Open edX instance. How do you build all this so that courses don't cost a fortune? Here we'll share how we run the Open edX platform on OpenStack and leverage the flexibility of both Open edX and OpenStack to fire up (and bring down!) lab environments on demand, and present them seamlessly to the student in-course.

Deploying SPOCs in a University Institution with Open edX: What Do We Need?

**BALLROOM WEST
(AH)**

José A. Ruiperez-Valienté, Charles III University of Madrid

This presentation will describe the experience of creating and running SPOCs at UC3M to supplement classroom training (flipping the classroom). We will cover customizing the platform to our environment (e.g., adding LDAP support) and additional software tools we have developed. In addition, we have built several XBlocks, adding new features. We will also discuss organizational aspects that need to be taken into account to ensure success.

Digging Through the Data: MoocCzar

**BALLROOM EAST
(AH)**

Andrew Dekker & John Zornig, Univerisity of Queensland

This talk discusses the research data package edX provides to partners, and how this data can be explored to learn more about student use. University of Queensland has developed an open source platform, MoocCzar, which helps uncover and disseminate data gathered from edX courses. The talk discusses the development and future of MoocCzar, and how this learning data can help influence future course design and development.

11:20 – 11:50pm

Configuration Primer

**TISHMAN
(LWC)**

Feanil Patel, edX

Learn about customizing your Open edX configuration and deployment by understanding Ansible roles. Open edX uses Ansible for configuration management. This talk will give people an overview of the configuration repository, introducing the layout and organization of our Ansible roles and some examples of how to use them.

Building Successful Open edX Instructors from Non-Faculty Domain Experts

**BALLROOM WEST
(AH)**

Julie Mullen, Lauren Edwards and Vijay Gadepally, MIT Lincoln Lab

Traditionally, knowledge held by professional engineers, scientists and researchers has only been accessible to a small number of co-workers. The Open edX platform enables MIT Lincoln Laboratory to share knowledge of domain experts through technical education courses highlighting theory and its use in practice. In this presentation we discuss the approaches used to help non-faculty instructors learn about the Open edX andragogy and the path from presenter to educational guide.

Real Time Analytics Using ELK

**BALLROOM EAST
(AH)**

Felipe Montoya, EduNEXT

This talk presents an application of the open source ELK stack (Elasticsearch, Logstash and Kibana) to deliver actionable insights in real time from Open edX tracking log records.

12:00 – 12:30pm

Navigating Barriers to Implementation of an International Medical Training Course in Developing Nations

Nicholus Warstadt & Silvia Vaca, Stanford, Feroze Naina, CMU

Clubfoot is a congenital birth deformity easily and effectively treatable non-surgically, but knowledge of this technique has yet to be disseminated to rural hospitals and clinics in developing countries. Here, we describe our experience in working with non-profit organizations to develop and implement digital training through the Open edX platform, including barriers of technology, multi-instance administration, and the need for content customization.

**TISHMAN
(LWC)**

Building the Plane While Flying it: Migrating an existing MOOC to edX

Mike Bifulco, Andrew Miller, Jeremy Osborn, Michael Bingham-Hawk, Aquent

Over the past year, Aquent's MOOC for designers, the Gymnasium, has been going through the process of migrating to the Open edX platform. During this talk, we'll discuss our move—including requirements gathering, theming and customization of the Open edX platform, migration of thousands of existing student records, course creation, and designing a deployment environment and release process with a third-party hosting partner.

**BALLROOM WEST
(AH)**

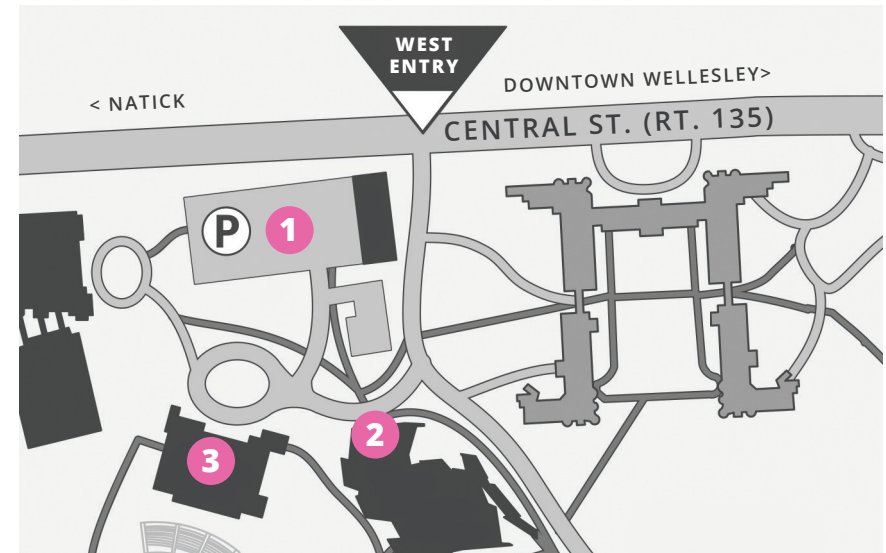
edX Analytics

Victor Shnayder, edX

EdX will present the current state and future roadmap of Insights. We will also highlight how the Open edX community has contributed to its success and how you can too.

**BALLROOM EAST
(AH)**

CAMPUS MAP



- 1** Davis Parking Facility
- 2** Lulu Chow Wang Campus Center
 - 4th floor - Meeting rooms
 - 3rd floor - Meeting rooms
 - 2nd floor - Conference registration, breakfast/lobby, coffee shop
 - 1st floor - demo area, Tishman room (breakout sessions + lunch)
- 3** Diana Chapman Walsh Alumnae Hall
 - 2nd floor - Auditorium (plenary and keynote addresses)
 - 1st floor - Ballroom East and Ballroom West (breakout sessions)

EXTRA INFO

HOTEL LOCATIONS

Verve Crowne Plaza

1360 Worcester St, Natick, MA 01760

Babson Executive Conference Center

Executive Education Cir, Wellesley, MA 02482

PARKING AT WELLESLEY

Free parking is available on the Wellesley College Campus. The main campus entrance is on Central Street / Route 135. Keep to the right, following signs to the Davis Parking Facility across from the Lulu Chow Wang Campus Center.

COFFEE SHOP AND SNACK BAR

The Coffee Shop and Snack Bar in the Lulu Chow Wang Campus Center will be open the following hours:

Monday, 12:00 – 8:00pm

Tuesday, 7:00am – 8:00pm

NEED HELP?

The Registration / Information Booth in the LuLu Chow Wang Campus Center (2nd Floor) will be staffed throughout the event.

MBTA & PUBLIC TRANSPORTATION

The MBTA Commuter Rail Framingham/Worcester Line runs from South Station in Downtown Boston to Wellesley Square, approximately 1 mile walk to the conference location. Schedule to be found at j.mp/openedx-mbta. See below for shuttle service to and from the Commuter Rail.

SHUTTLE SCHEDULE

Monday Morning

- Shuttle will meet MBTA train at Wellesley Square that arrives at 8:20am
- Shuttle will pick up at Babson Conference Center Hotel at 8:15am
- Shuttle will pick up at Verve Crowne Plaza Hotel at 8:00am

Monday Evening

6:40 Shuttle Departures from Wellesley College's Lulu Chow Wang Campus Center to:

- MBTA (to get to station for the 7:01pm train to Boston)
- Babson Conference Center Hotel
- Verve Crowne Plaza Hotel

Tuesday Morning

- Shuttle will meet MBTA train at Wellesley Square that arrives at 8:20 a.m.
- Shuttle will pick up at Babson Conference Center Hotel at 8:45 a.m.
- Shuttle will pick up at Verve Crowne Plaza Hotel at 8:30 a.m.

Tuesday Evening

5:10 Shuttle Departures from Wellesley College's Lulu Chow Wang Campus Center to:

- MBTA (to get to station for 5:37 p.m. train to Boston)
- Babson Conference Center Hotel
- Verve Crowne Plaza Hotel

EXTRA INFO

CONNECTING TO WI-FI AT WELLESLEY

Attendees can connect to the Wellesley Guest WiFi network. After connecting the first time, open a web browser, attempt to visit any website and you should be redirected to the Guest portal. As a guest, review the Acceptable Use terms, enter your email address, and click Accept to access the network. This access should last 18 hours and can be renewed at that time. The image below refers to the Guest Portal screen.

Connect

Wellesley College Guest Wireless Access

Wellesley College owns and maintains the information stored in its information technology resources, and limits access to authorized users. Users of information technology resources have a responsibility to properly use and protect these resources, respect the rights and privacy of other users, and behave in a manner consistent with any local, state, and Federal law and regulation, as well as any Wellesley College policy. Information technology resources, including Internet bandwidth, are shared among the community, and users will utilize resources with this understanding. <http://www.wellesley.edu/its/policies/acceptableuse>

Email Address

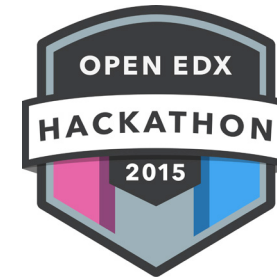
Accept

COMMUNITY

Follow us on Twitter @OpenedX

To join discussions on our mailing lists and IRC, go to open.edx.org/resources/community-discussions.

JOIN US!



OPEN EDX HACKATHON October 14 – 15

Join us October 14-15th for the 2nd Annual Open edX Con Hackathon. Community members and edX developers will work together on bringing ideas to life.

The 2015 Open edX Conference Hackathon will be held at CIC Boston, a beautiful co-working and conference space centrally located in the middle of downtown Boston!

Due to space constraints, the hackathon will only be open to conference attendees and edX employees, so be sure to register today! We'll post more details about projects, schedule and how to connect with other Open edX hackers soon.

Have an idea for the hackathon? Looking for inspiration or a team to join? Check out the hackathon planning board on our wiki, add an idea or join an existing proposal by going to j.mp/openedx-con-hack-2015

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