

HUBbub 2014

The HUBzero Conference



 #hubbub2014 @hubzeroplatform

 hubzero

State of the Hub: 2014



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**Why are
we here?**



60+ Hubs for many disciplines



~1,800,000
visitors total

visitors	users
705,725	330,939
364,304	118,016
63,487	32,236
62,495	5,492
53,507	13,487
49,559	23,168
47,972	6,976
47,085	12,788
46,083	5,166
45,833	5,473
45,176	9,069
41,048	8,078



nanoHUB.org



nees.org



pharmaHUB.org



HABRIcentral.org



vhub.org



GlobalHUB.org



ciHUB.org



cceHUB.org



PURR



iemhub.org

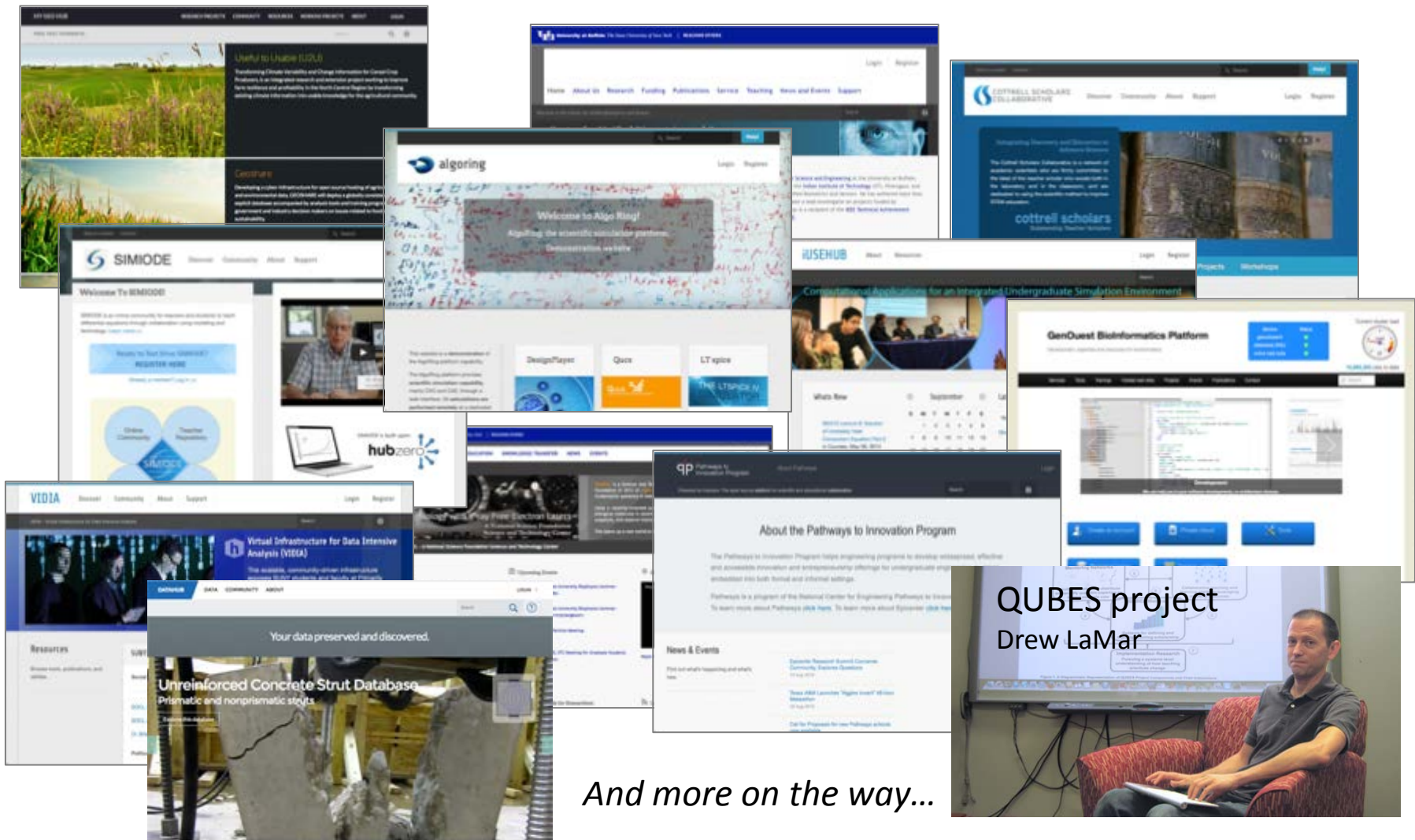


molecularHUB.org



StemEdHub.org

19 New Hubs



QUBES project
Drew LaMar

And more on the way...

80+ improvements



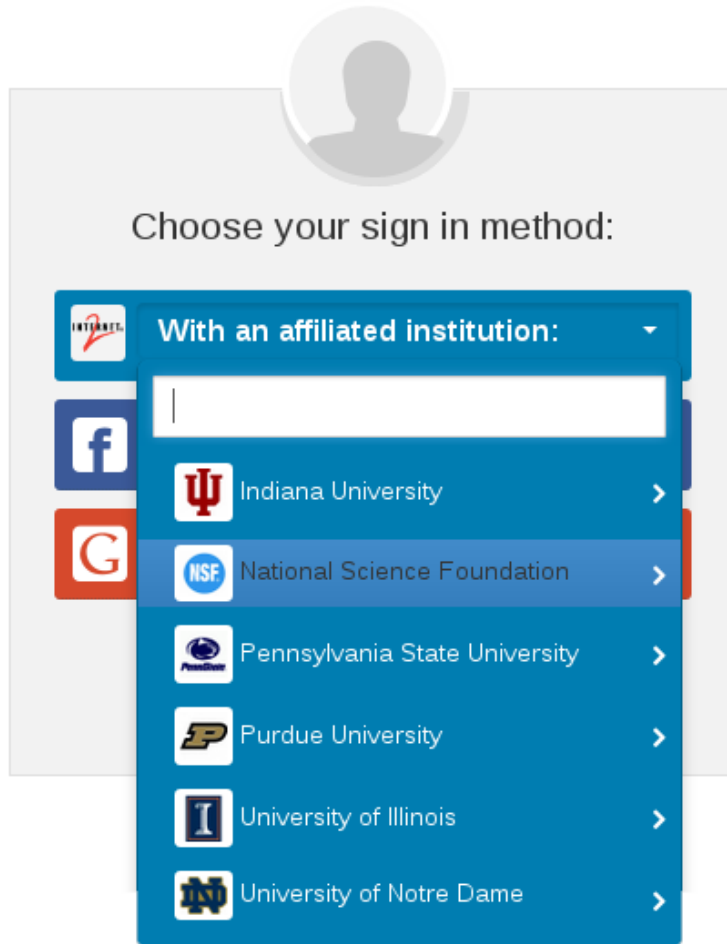
- CKEditor – WYSIWYG text
- Course preview mode
- Data curation framework
- New member dashboard
- Gravatars and Identicons
- Simplified login page
- PDF for Wiki pages
- New administrator dashboard
- Stronger password hashing
- Collections Interface
- Course certificates
- Recurring events
- file restore in projects
- “Find This” plug-in
- Drag to create calendar event
- Video transcripts
- New Web APIs



<http://hubzero.org/download>

- ✓ VMware virtual machine images
 - ✓ Debian packages
 - ✓ RedHat packages





- ✓ Serves 7.8 million end users
- ✓ Shibboleth-based authentication
- ✓ Log in with your institutional account
- ✓ More trust for InCommon users
- ✓ Add-on pack for HUBzero

<https://hubzero.org/documentation/1.3.0/installation/addons.shibboleth>

ORCID Integration



Contact Information

First Name: **REQUIRED**

Middle Name:

Last Name:

Valid E-mail: **REQUIRED** Confirm E-mail: **REQUIRED**

⚠ Important! You must confirm receipt of confirmation e-mail from support@nanohub.org in order to complete registration.

Open Researcher and Contributor ID (ORCID):

ORCID ORCID provides a persistent digital identifier that distinguishes you from every other researcher and supports automated linkages between you and your professional activities ensuring that your work is recognized. [Find out more.](#)



Laura Paglione



Michael Witt

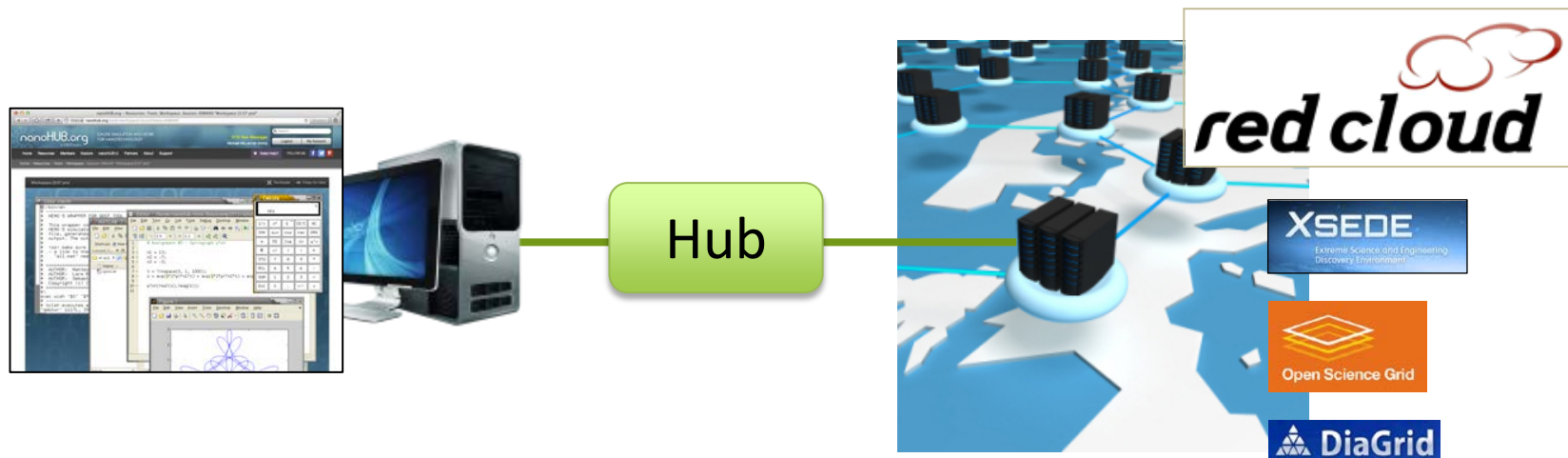
- ✓ Associate your ORCID with your hub profile
- ✓ Attach your ORCID to digital publications produced on the hub
- ✓ Find related publications elsewhere

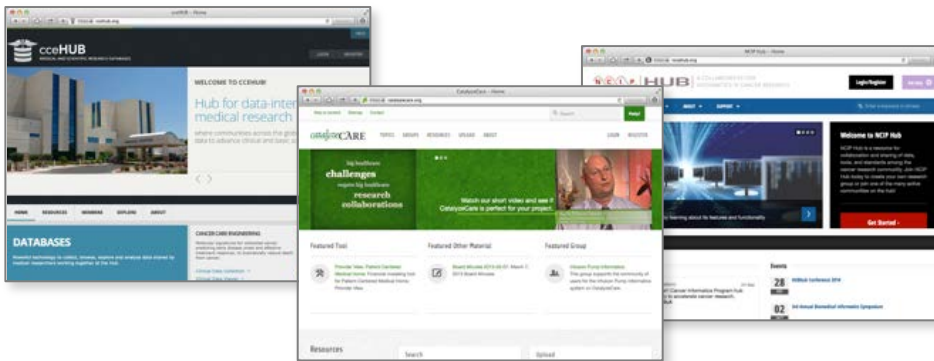
red cloud



David Lifka

- ✓ Subscription-based cloud computing
- ✓ Supports parallel MATLAB runs
- ✓ Integrated into HUBzero





HIPAA
FISMA



Von Welch

CTSC CyberCheckup, April 2014

- ✔ 41 good practices
- ⚠ 3 things to consider
- ✘ 6 areas for improvement:
 - ❑ 2-factor authentication for admins
 - ❑ Better documentation for physical security

Starting a deeper engagement:

- ➔ Improve policies for vulnerability management
- ➔ Look for any gaps in access control model



trustedci.org

Running HUBzero on Amazon



- Let Amazon be your web host
- First release: Social hub (no tools)
- \$0.03/hour + machine charges
- Proceeds go to HUBzero Foundation

Thanks to our Sponsors



hubzero
FOUNDATION



Corporate Sponsors

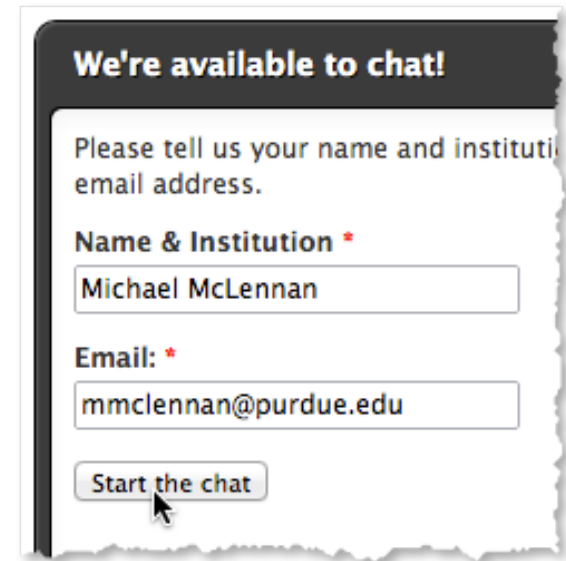


AMERICANDIGITAL

Join the HUBzero Foundation



- ✓ **\$5,000** to join
- ✓ 20 hours of tech support
- ✓ Discounts for additional support
- ✓ Discounts for HUBbub and events
- ✓ Helps to fund HUBbub and Hub Hero Challenge events

A screenshot of a web chat widget. The title bar says "We're available to chat!". Below it, a message reads "Please tell us your name and institution email address." There are two input fields: "Name & Institution *" with the value "Michael McLennan" and "Email: *" with the value "mmclennan@purdue.edu". A "Start the chat" button is at the bottom, with a mouse cursor hovering over it.

Instant Help

during normal business hours



<https://hubzero.org/about/foundation>



Anyone who has...

- ✓ Contributed core code
- ✓ Participated in challenge



Ahmed Abdal-Gawad
Purdue University Research
Repository (PURR)



Alicia Lim
Purdue University Research
Repository (PURR)



Brandon Beatty
Purdue University Research
Repository (PURR)



Steven Maus
Purdue University



Sam Ling
Purdue University Research
Repository (PURR)



Yongyang Yu
Purdue University Research
Repository (PURR)



Curtis Lisle
KnowledgeVis



Jong Cheol Jeong
Harvard Medical School



Randy Heiland
Indiana University

Find out more:
<http://hubzero.org/hubhero>

HUBbub 2014 Agenda



Monday

Plenary Session

Gerry McCartney, Andy Burnett,
Ishwar Chandramouliswaran,
Charles Ward, David Lifka

Lunch

HUBzero:
Applications
and
Experiences



Web Dev
Training
Part I



Tool Dev
Training
Part I

Banquet Dinner
Gameshow



Tuesday

Plenary Session

Victoria Stodden, Laura Paglione,
Abani Patra, Von Welch

Hub Users' Meeting

Lunch

Geospatial
Capabilities

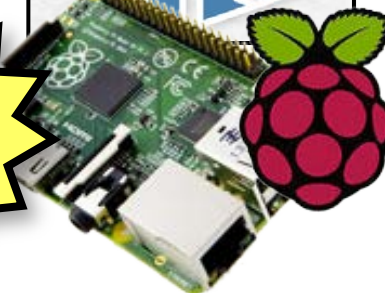


Web Dev
Training
Part II



Tool Dev
Training
Part II

WIN!
Raspberry Pi
Computer



Wednesday

Hub Hero Challenge

