IUPUI Faculty Council Committee
Annual Report 2017-2018

Committee Name: IFC Technology Committee
Chair: Elizabeth Whipple and Rob Elliott

Members:

Committee Members

Members with Term Expiring June 30, 2019

Courtney, Sean (Medicine)
Justice, Connie (E&T)
Rogers, Christian (E&T)
Taylor, Nolan (Business)
Vinson, LaQuia (Dentistry)
Wendeln, Ken (Business)
Zhu, Luoding (Science)

Members with Term Expiring June 30, 2018

Elliott, Rob (Engineering and Technology)
Fulton, Cathy (Nursing)
Hook, Sara (Informatics and Computing)
Jafari, May (University Library)
Keele, Benjamin (Law Library)
Pollock, Caitlin (University Library)
Walsh, Susan (Science)
Whipple, Elizabeth (Medicine Library)

Liaisons for 2017-2018 (or Ex Officio)
Londino, Gina (Science) (Liaison from Distance Education Committee)
Jones, Josette (Informatics & Computing) (Executive Committee Liaison)
Morrone, Stacy (IUITS) (Administrative Liaison)

Action Items:

<table>
<thead>
<tr>
<th>Action Item(s)</th>
<th>Status</th>
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<tbody>
<tr>
<td>Provided feedback on the IU Strategic Plan related to Online Learning</td>
<td>Presentation by Stacy Morrone (Oct. 2017).</td>
</tr>
<tr>
<td>Update on Electronic and IT Accessibility</td>
<td>Presentation by Matt Gunkel and Brian Richwine (Oct. 2017).</td>
</tr>
</tbody>
</table>
### Provided feedback to UITS on Policy ISPP-24
***IFC Tech Committee provided feedback to UITS reps during the meeting. (Oct. & Nov. 2017).***

### Update on the Engage 101 Workshop on eTexts
Presentation by Michele Kelmer and Mark Goodner (Nov. 2017).

### Update on PressBooks
Presentation by Michele Kelmer (Nov. 2017).

### Update on Unizin
Presentation by Michele Kelmer (Nov. 2017).

### Update on Duo
Presentation by Dan Calarco (Jan. 2018).

### Update on Scholarworks/DataWorks
Presentation by Jere Odell and Heather Coates (Jan. 2018).

### Overview on Open Science Framework
Presentation by Erin Foster and Heather Coates (Jan. 2018).

### Update on next.iu.edu pilots
Presentation by Joanna Ray and Anna Lynch (Feb. 2018).

### Update on Google@IU & changeover from umail.iu.edu
Presentation by David Brokamp (Feb. 2018).

### Update on Quality Matters
Presentation by Anna Lynch (Feb. 2018).

### Discussion about IU Online Fees
Follow up in 2018-2019

### Tableau overview of data available to academic units and how to access

### Update on Testing Center/Online Testing
Presentation by Howard Mzumara (Mar. 2018).

### Overview on Software and Services Selection Process

### Update on Web Collaboration tools

### Update on UITS Dissemination Plan

### Update on Research Technologies and Pervasive Technology Institute
Presentation by Matt Link (Apr. 2018).

### Update on IU Anywhere

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**Action Items to be carried over to 2018-2019:**

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<td>Update on electronic and IT Accessibility—where are we, what is being required/recommended for faculty</td>
<td>Have Brian Richwine and Matt Gunkel present in 2018-2019.</td>
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Suggested new action items for 2018-2019:

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<td>Update on User Experience Office and its role</td>
<td>Have Brian Hawkins present in 2018-2019.</td>
</tr>
<tr>
<td>Update on Classroom Technology</td>
<td>Have Julie Johnston, Mary Beth Myers present in 2018-2019.</td>
</tr>
</tbody>
</table>

Please attach any completed documents, minutes, or recommendations made by your committee during this report year. One copy of this report and supporting documents will be sent to the IUPUI University Archives.

Report due:       June 30, 2018
Submit to:        Karen Lee
                 Office of the Faculty Council
                 klee2@iupui.edu
AGENDA

IFC Technology Committee
September 12, 2017
9:00 a.m. – 11:00 a.m.
UL 2115 J

Co-Chairs: Elizabeth Whipple, Rob Elliott
Members: Sean Courtney, Cathy Fulton, Sara Hook, May Jafari, Connie Justice, Benjamin Keele, Caitlin Pollock, Christian Rogers, Nolan Taylor, LaQuia Vinson, Susan Walsh, Ken Wendeln, Luoding Zhu
Liaisons: Josette Jones, Gina Londino-Smolar, Stacy Morrone

9:00 a.m. – 9:30 a.m.
  • Call to Order
  • Introductions
  • Approval of Agenda
  • Scribe for the meeting
  • Review and Approval of 2016 – 2017 Annual Report
  • Chair’s Report

9:30 a.m. – 10:15 a.m.
Canvas review and updates
Stacy Morrone, Lynn Ward, John Gosney

10:15 a.m. – 10:45 a.m.
Future Meeting Topics
All

10:45 a.m. – 11:00 a.m.
Other Business

11:00 a.m.
Adjournment

Future Meeting Dates (Tuesdays, location UL 2115E):
10/10/17 Tuesday 9-11 am UL 2115E
11/14/17 Tuesday 9-11 am UL 2115E
2/9/18 Tuesday 9-11 am UL 2115E
2/13/18 Tuesday 9-11 am UL 2115E
3/13/18 Tuesday 9-11 am UL 2115E
4/10/18 Tuesday 9-11 am UL 2115E
IFC Technology Committee  
9 SEP 2017 Meeting Minutes

In Person: Connie Justice, Cathy Fulton, Rob Elliott, Ken Wedneln, Chris Rogers, Stacy Morrone, Elizabeth Whipple, Nolan Taylor, Luoding Zhu, Sara Hook, John Gosney, Lynn Ward

Online: LaQuia Vinson, Josette Jones, May Jafari, Margie Ferguson

Approval of Agenda  
• Moved and seconded; motion passed

Introduction of MACH – Rob Elliott
• MACH retreat on 9/22/2017; information via email

Review of Technology Committee Annual Report 2016-2017  
• May need to revisit the rosters on the website, ensure they are up-to-date  
• Best Practices – Ken Wendeln  
  o Want to capture some “best practices”  
  o FACET has done some collection and dissemination of good examples of technology use  
  o Beth: this should be a topic with guests as well – what do they recommend for best practices and dissemination  
  o (See Teaching.IU discussion, below)  
• Moved and seconded

Indianapolis’ Tech Committee, compared to Bloomington – Rob E.  
Bloomington has Tech Policy Committee; similar charge to ours but different  
• Dan Cularco (Chief of Staff for Wheeler) attends  
• Maybe try to align the conversations between Indianapolis and Bloomington  
• Stacy: Lynn Ward has revitalized the learning communities listserv – has been very helpful  
  o Faculty has to opt-in; need to spread the word to ALL faculty (part-time, full-time, etc.)

http://teaching.iu.edu - Stacy Morrone  
• Includes a technology tool finder (new to the University)  
• Lynn Ward has been working on improving quality  
• ProfessorPedia – wiki for teaching/learning topics

Technology Concerns from Students (General Discussion)  
• Students’ biggest concern is consolidation of use of the Canvas LMS  
  o Ken: Use of modules has been very transformative  
    • Wants more reporting about what assets students are really accessing
- Lynn: “period of abundance” is a double-edged sword. How do we find the “best” way to select and implement technologies.

**Google @ IU (General Discussion)**
- Rob: help! Students do not get the difference between Umail.iu.edu and IU.edu Google accounts
- Canvas integration with Google is a big step forward, but until the confusion is resolved it’s really not useful to everyone. UITS is very aware of the problem and is working on solving it.
- John G.: An update to Canvas is coming in January – something about default email addresses?
- Rob: “savvy” full-time faculty can work around these issues until they are resolved; how can we support part-time faculty and those who aren’t as savvy with Google Drive

**Box (General Discussion)**
- UITS has a work plan to add all IU domains to Box accounts (IUPUI, IUK, etc.)
- Lynn: Box integration with Canvas is coming
  - Boxes (dropboxes)
  - Course-based folder structure

**OnCourse/Canvas Migration (General Discussion)**
- OnCourse was turned off on 8/31/17
- There was no automated process to retrieve all materials; there were instructions for how to download specific content
- UITS Support Center has access to archived gradebooks from OnCourse (grade disputes, etc) for authorized personnel

**Photos in Canvas (General Discussion)**
- CrimsonCard photos are populated in the IU Photo Roster; will NOT be automatically assigned to each student’s Canvas profile
- Is there a reason that there isn’t a default picture?
  - Official CrimsonCard photos are FERPA protected
  - IU Photo Roster is only accessible to Instructor Roles in Canvas
  - The technology is probably available; would have to be assigned to the LMS team
  - Students would have to consent to their photo being displayed

**Canvas Updates (General Discussion)**
- Stacy: Instructure is very responsive to IU requests
- Lynn: IU has a specific feature request collection tool on the gateway page for Canvas
  - Suggestions are reviewed and compared with requests from other R1 institutions
    - Example: requests have been made to be able to post an Announcement to multiple sections or courses
- The Canvas Community can be accessed by any Canvas user
- Lynn: There are a large number of requests; far more than can be implemented
- Lynn: Two big updates from Canvas are in the works – improved Gradebooks and Quiz tools; therefore, many updates for those tools are not being actively implemented
Gradebook updates may include:
- Filtering by Assignment type or Module
- Color-coding in the Gradebook (submission status)
- Ken: Feature request – letter grade instead of numeric; Beta shows no evidence of that

Stacy: There is a Canvas Priorities Committee that helps to filter all the suggestions from IU and then forward the popular ones to the Canvas Community for voting
- One committee serves all IU campuses

John G: Has anyone in the group used the Canvas course analytics feature?
- Ken: Has tried, hasn’t really used it much
- Sara: Has found it extremely helpful; has used it to denote student activities in academic disputes.
  - Particularly liked the “snapshot/course monitor” system (not FLAGS) to see who is in trouble, etc.
  - We will ask Sara to discuss her experience at a future meeting
- Stacy: some of these products are Canvas, some are Unizin – the committee will be introduced to the updated Unizin roadmap at a future meeting this Fall (Michelle Kelmer can present)

Engage 101 Workshop About eTexts - Stacy
- UITS is hosting a workshop (for other institutions) to disseminate best practices and nuts and bolts of our IU eText implementations for other institutions
- Also working on a more formal workbook or a guide that will be available later in the Spring
- IU is being looked to as a leader in the eText initiatives
- Ken: have we asked for the students’ input about the eTexts?
  - Not for a while; have examined analytics and behavior in the eTexts
  - An earlier article focused on student perception
  - Ken: we really need to get the student opinion on this kind of initiative

Clicker Technology (Top Hat) – Ken W.
- Forcing the student to pay the fee for just a couple of quick assignments is unfair
- Many faculty will not use it because they don’t want to add an additional fee
- Stacy: Update from Matt Gunkel specifically about Top Hat would be very helpful
  - Many issues: Wifi, device registration, etc. Top Hat is taking our concerns very seriously.
  - Top Hat is putting 2 people full-time on the IU project; 5 engineers are also working toward it
- Beth: at the Executive Committee meeting, Top Hat was a big topic of conversation
  - Faculty contact for Top Hat is a Top Hat employee, not someone at UITS
  - Lynn: Teaching Centers should be able to assist faculty
  - This was a big onboarding because we were transitioning from another technology; due to this, there might be more dependence on Top Hat personnel than normal.
  - Top Hat has made some cold calls to faculty; UITS has expressed displeasure at that
  - UITS is really trying to move support to the teaching centers (CTL at IUPUI)
  - This was a rough start to the semester for Top Hat
• We will have a Top Hat-specific agenda item in a future meeting (November?)

EText Updates: General Discussion
• Stacy: lots of benefits; selective chapters, lower-price, increased analytics
• Sara: there is a lot of flexibility and ability to self-publish
• Pressbooks: An authoring tool to create your own books (including student-created books)
• We will have more information with Unizin updates in future meetings
• Rob: adoption might hinge on allowing students to choose their format (print vs. digital)
  o Stacy: eTexts group cannot sell physical books (contract with B&N)
• Ken: have there been any students about learning outcomes in an course with multiple sections?
  o John G: IU Northwest did a study that showed eTexts were more effective; will follow up with the study later.
  o Chris R: Was that an interactive text? John G: It was a flat PDF.

Classroom Attendance Taker: Ken W.
• Stacy: Updates coming soon. Be patient.
• Beth: A Next.IU pilot? Possibly.

Review of IU Strategic Plan related to Online Learning: Stacy, Margie Ferguson
• Would like the community to help review language about the IUPUI Strategic Plan related to “online learning”
• Might want to change the language to “technology-enabled learning”
• Will review (~30 minutes) during the 10/10/2017 meeting

Learning Technology Steering Committee: Stacy
• Joint IFC/UITS committee
• Andy Gavrion is on the LTS committee but not on any of the IFC committees
• Stacy needs someone from our group to represent the IFC Technology committee to the Learning Technology Steering committee
  o Sara was invited for 2016-2017
• Two 2-hour meetings per semester; next meeting October 13th, 2017
• Rob volunteered for the 10/13 meeting; we will find an official representative at our meeting on 10/10/17; Nolan Taylor offered to be the backup representative

Possible Topics for 2017-2018:
• IUPUI Strategic Plan for Transforming Online Education (October meeting)
• TopHat (October—work with Matt Gunkel)
• Update on student two-factor authentication (11/2/2017 all students will be required to use Duo) (November meeting)
• Update on eTexts and Engage 101 workshop (November meeting)
• Update on Unizin (fall meeting)
• New Electronic and IT Accessibility Coordinator (Brian Hawkins) to come
- ADA Course for Faculty; have Marcia Gonzales come and talk
- Quality Matters (spring meeting)
- Next.iu.edu pilots (including classroom attendance using geofencing—spring?)
- Web collaboration tools (spring meeting—Matt Gunkel, James McGookey?)
- New classrooms/classroom technology (spring meeting—Matt Gunkel, Mary Beth Myers, Julie Johnston)
AGENDA

IFC Technology Committee

October 10, 2017
9:00 a.m. – 11:00 a.m.
UL 2115 E

Co-Chairs: Elizabeth Whipple, Rob Elliott
Members: Sean Courtney, Cathy Fulton, Sara Hook, May Jafari, Connie Justice, Benjamin Keele, Caitlin Pollock, Christian Rogers, Nolan Taylor, LaQuia Vinson, Susan Walsh, Ken Wendeln, Luoding Zhu
Liaisons: Josette Jones, Gina Londino-Smolar, Stacy Morrone, Margie Ferguson

9:00 a.m. – 9:10 a.m.  • Call to Order
• Approval of Agenda
• Scribe for the meeting
• Chair’s Report

9:10 a.m. – 9:40 a.m.  IUPUI Strategic Plan—transforming online education
Stacy Morrone

9:40 a.m. – 10:10 a.m.  TopHat
Matt Gunkel

10:10 a.m. – 10:30 a.m.  Electronic and IT Accessibility
Matt Gunkel, Brian Richwine

10:30 a.m. – 10:50 a.m.  Policy Review ISPP-24 Significant Revisions
All

10:30 a.m. – 10:50 a.m.  Final Questions
All

11:00 a.m.  Adjournment

Future Meeting Dates (Tuesdays, location UL 2115E):

11/14/17 Tuesday 9-11 am UL 2115E
1/9/18 Tuesday 9-11 am UL 2115E
2/13/18 Tuesday 9-11 am UL 2115E
3/13/18 Tuesday 9-11 am UL 2115E
4/10/18 Tuesday 9-11 am UL 2115E
Electronic and IT Accessibility – Brain Richwine and Matt Gunkel
- Brian and the committee discuss faculty responsibilities and resources when it comes to accessibility and ADA compliance. There is E-training for the ADA compliance at [https://expand.iu.edu/browse/e-training/courses/iu-ada-awareness-2016](https://expand.iu.edu/browse/e-training/courses/iu-ada-awareness-2016) There is a lot of confusion over whether or not this mandatory for all faculty and staff.
  - Ken W. states if this is important then its importance should be more clearly stated
  - Brian – will follow up with Disability Steering Committee, and ask when it is going to officially roll out.
  - Rob E. comments that the training buries the lede that its everyone responsibility.
Brian R. - The training come from legal and the ADA policy but does outline roles and responsibility. Each campus has its own AES office, and Brian’s office has to work with each campus and training has to accommodate each campus and therefore, IUPUI has its own ADA training separate from the other IU campuses.
- Rob E. Communication from administration should be more forcefully but also say this is to help faculty
- Ken W. and Beth W. comment that there is no way to track your progress and see when/what training has been completed.
  - Stacy M comments she will recommend a progress tracker
  - Christian R. remarks that this should be prominently displayed on one.iu
- Rob E. states his concerns about the part-time faculty completing compliance training.
- Ken W wants to know if the training will cover how faculty should handle student mental health emergencies?
- Brian R. and Matt G. will look into more clarification of a deadline and if it is required for all faculty.

Policy Review ISPP-24 Significant Revisions - All
- The policy covers all of IU but the significant revisions only concern university student groups and third-party platforms/cloud computing.
- Comments on the revisions are due on November 9th.
- Ken W. recommends that the acronyms be spelled out and made clear
- Ken W. is concern that even more tedious and extensive policies will make it even more difficult for student organizations to complete goals because of compliance
- Beth W. IUPUI Den, a place where student organizations can share content was mentioned at IUPUI Faculty Council.
- There is discussion about why there is a need for an update to the policy.

Final Questions
- Nolan T. states the he had a problem with Kaltura running on the machines in a classroom and he received an unsatisfactory response for UITS.
  - Stacey and Matt are going to look into the problem and UITS’s response.

Adjournment – 11:05AM
AGENDA

IFC Technology Committee
November 14, 2017
9:00 a.m. – 11:00 a.m.
UL 2115 E

Co-Chairs: Elizabeth Whipple, Rob Elliott
Members: Sean Courtney, Cathy Fulton, Sara Hook, May Jafari, Connie Justice, Benjamin Keele, Caitlin Pollock, Christian Rogers, Nolan Taylor, LaQuia Vinson, Susan Walsh, Ken Wendeln, Luoding Zhu
Liaisons: Josette Jones, Gina Londino-Smolar, Stacy Morrone, Margie Ferguson

9:00 a.m. – 9:10 a.m. Call to Order
• Approval of Agenda
• Scribe for the meeting
• Chair’s Report

9:10 a.m. – 9:30 a.m. Updates from IU Online Conference
All

9:30 a.m. – 9:50 a.m. IUPUI Strategic Plan—transforming online education
John Gosney

9:50 a.m. – 10:20 a.m. eTexts and Engage 101 workshop
Michele Kelmer and Mark Goodner

10:20 a.m. – 10:50 a.m. Unizin updates
Michele Kelmer and John Gosney

10:50 a.m. – 11:00 a.m. Final Questions
All

11:00 a.m. Adjournment

Future Meeting Dates (Tuesdays, location UL 2115E):

1/9/18 Tuesday 9-11 am UL 2115E
2/13/18 Tuesday 9-11 am UL 2115E
3/13/18 Tuesday 9-11 am UL 2115E
4/10/18 Tuesday 9-11 am UL 2115E
IFC Technology Committee
14 NOV 2017 Meeting Minutes

- Meeting minutes approved for today's agenda
- Elizabeth informed us this is her last meeting until April; Rob Elliott (co-chair) will run meetings during this time.
- Elizabeth asked for feedback on Spring topics
  - Online Proctored Testing
    - Ken suggested online who ine testing - Rumor has it that if we want to use online proctored testing we will need to charge for it
    - We need to evaluate what is being done currently
    - John stated that this is only partially true
    - Ken asked what we want to do with online testing or testing at the testing center
  - Tableau
    - Rob and Elizabeth have come up with Tableau - We have a licensed version but it is unclear who has access to the license
    - Ken suggested that we need to discuss the data and who has access to it
    - Nolan stated that there is a Tableau for Teaching program
  - Process of approving tools and increasing documentation
    - General agreement that this is a good topic. How does the university decide tools they want to pursue and what is the process for that? Tableau is a good example. The process for the next.iu.edu pilots is a bit more transparent, but not everything goes through that process.
  - Update on IUPUI ScholarWorks and DataWorks
    - Understanding what is in ScholarWorks and DataWorks
  - Open Science and Open Science Framework
    - What are our options
  - Update for IUAnywhere
  - Things currently on schedule
    - Update to Duo for student
    - Next IU.EDU pilots
    - Quality Matters
    - New classrooms and new classroom technologies
    - Update on research technologies - part of pervasive technology institution
    - Plan on how UIITS communicates with faculty
  - Ken suggested the user experience
    - He stated that W-2 verification statement showed up in front of student when going to Box
    - John stated he will check on the process
  - John suggested a contact for research technologies – Winona Snap-Chiles
  - Ken suggested update on Canvas
  - Chris suggested communication with faculty when software is piloted
  - It was suggested that we have bigger pilots to understand what is going on
  - Elizabeth asked if faculty know what next.iu.edu is

- IU Online Conference
  - John – brought up State of the University address
    - Ken was wondering where the 59 million is coming for opioid crisis
- Ken brought up the point of resources and how that will scale with online teaching
- Online Courses taught by graduate students
  - Sara — It is considerable concern that graduate students are teaching online courses. You must have regular communication with faculty to students. Faculty should have an active presence with students in the course.
  - Ken brought up course in Kelley taught by adjunct
  - Elizabeth reminded people that Purdue purchased Kaplan in April
  - Ken talked about presentation on public universities and whether it is a public good or private good
  - Elizabeth stated they had 16 slots for papers and 60 submissions
  - Elizabeth attended session going beyond student evaluations
    - It was recommended that people use Dropthought for evaluation
- IUPUI Strategic Plan — transforming online education
  - Stacy took comments back and changed the document. Stacy and Margie endorsed it
  - Suggested revision pieces
    - The emphasis on making resources available to all
    - Online resources available to all faculty as well as programs
    - The document was changed to reflect a more holistic view of technology
  - John solicited for feedback
    - Ken asked what the key message is. John responded by stating that this document provides a more holistic view of learning technologies
    - Ken suggested that we boil it down to the words that John stated and not have eight points. “If we don’t understand it, it is just a document”
    - Ken pointed out revision to #9 — An IT literacy is being suggested with this point
    - Elizabeth suggested that the document is still a little big jargony but has been cleaned up and there is more emphasis on active learning classrooms
    - Chris made a point of #4 and how we can make a digital learning ecosystem more concrete
    - Sara — Some of the words do not have measurements “Increase”, “Augment”. It would be nice if #2 was broken out
    - Ken stated is not a strategy but a big wish list. It does not tell what they are going to do and not going to do. If that is the case, than this is not really a strategy.
    - Ken stated that IT should be at the leading edge to inform us of what they are going to do. “They do it in a way that becomes useful to us.”
    - The document is on the distance education committee agenda for feedback as well.
    - If we have any further feedback please provide it to Elizabeth or John
- eTexts and Engage 101 Workshop
  - Michele provided overview of workshop
    - Made it open to Unizin institutions
    - 12 were represented including University of Florida
    - Talked about how e-text initiative started in 2009 to present
    - Full day and received great reviews
Several universities are now going back to start their own e-text initiatives

Mark discussed e-text initiative
- Principle business analyst for the program
- IU e-text is a teaching and learning tool
- Been in full production since summer of 2011
- Adoptions in over 1500 classes across the university
- Over 600 faculty participating
- Touched over 1/3 of student body
- Over 32,000 students have at least one eText in a class
- Faculty are remaining with them. They use it and stay
- This is a perfect fit for teaching an online course. It is a guarantee that students have access to the material before the first day of the class
- Everything is ready to go in the Canvas site for the first day. The discounts are nice on the e-reading platform is full of features.
- Research is indicating that there is significant impact on retention, grades and student engagement
- John suggested that Mark discuss publishers. Mark stated the major publishers are on board. They have over 30 publishers.
- They have online gaming simulations and video feedback tools
- Faculty are assigning homework up to a month in advance
- They are reaching out to University Press. IU Press is already on board
- Ken asked about data to show proof of retention and graduation rates.
- Research is going to be ongoing but they are currently sitting on data
- Mark discussed speech class and new grades improved
- Sara – Asked how we make the change from paper to e-text
- John asked a student knows if their course has an e-text. Mark stated that a faculty decides this.
- A lot of communication is given in advanced to the student about billing
- He encourages faculty to communicate to their students
- Mark developed a Canvas project site for e-texts. The course discusses how to order e-texts and how to incorporate this into your classroom. A lot part of his job involves helping faculty move to e-text
- Mark stated that there is a lot of misunderstanding and misinformation about technology and e-text in general. There is a fear of change and resistance to change.
- He has seen some faculty who felt that e-text was not the right fit.

Michele discussed what Kelley is doing with PressBooks
- Tool through Unizin consortium
- Built off of Wordpress
- Faculty authoring their own texts
- C204, K201, K204, K303 are currently using PressBooks
- There were three faculty teams that wrote texts for five classes
- Delivered those texts this fall. Students had texts written for their class and it has been a very good experience.
- They will be reviewing in December to receive feedback.
- One consideration is making updates to videos when software changes (computer curriculum).
• Long term goal is to make PressBooks available for everyone – You can choose to use it through IU Publishing or open publishing
• Sara – Asked about payments to author and intellectual property
• Michele states that intellectual property is still the same as other forms of writing. Items that have significant funding by the university the university has the IP
• The Kelley faculty are under contract with the Kelley school of business where they are contracted to author these texts. The Kelley School of Business has the contract with IU Press.
• The authors do not collect royalties for texts used at IU
• If the books were ever made available outside of IU the contract stipulates what happens
• The faculty received a set amount.
• Kelley and IU Press work out the royalty not the faculty
• IU Southeast teaches a K201 course and is interested
• If you’d like to work with IU Press they are open to doing that with PressBook
• Mark will reach out to American Bar Association

• Unizin Updates
  • Michele provided update
  • She provided names of Unizin consortium
  • A million students are represented
  • Unizin is an opportunity
  • to share what we know and collaborate on lots of different topics.
  • The focus is the impact of technology on teaching and learning
  • This includes Canvas, Pressbooks . . .
  • Michele provided slide that gave overview of Unizin which includes Analytics, Content and Platform
  • New tool as a part of Canvas to have students provide a pronunciation of their name specified gender pronouns.
  • Ken stated that this should include a photo so that when he grades he can see their photo
  • This new tool should be available in Spring and also connected with AdRx
  • Unizin Canvas Commons available to all Unizin campuses for sharing items across institutions
  • The long term idea of what Unizin data can do is as Canvas data is no longer in silos and shared anonymously, we can create the worlds largest learning lab
  • Loudsite and Course Monitor are tools to sit on top of data and provide insight
  • Loudsite are used to advise students for success coaches
  • Course Monitor can help set parameters with Canvas data to allow a faculty member if a student is at risk
  • Ken asked how many people know about this besides Michele
  • Michele discussed teaching.iu.edu
    • Gives tool finder
  • John stated that “we have a next.iu

• Final Thoughts
  • Our March meeting is scheduled for Spring Break and Elizabeth and Rob discussed moving it up a week
  • Meeting adjourned
AGENDA

IFC Technology Committee
January 9, 2018
9:00 a.m. – 11:00 a.m.
UL 2115 E

Co-Chairs: Elizabeth Whipple, Rob Elliott
Members: Sean Courtney, Cathy Fulton, Sara Hook, May Jafari, Connie Justice, Benjamin Keele, Caitlin Pollock, Christian Rogers, Nolan Taylor, LaQuia Vinson, Susan Walsh, Ken Wendeln, Luoding Zhu
Liaisons: Josette Jones, Gina Londino-Smolar, Stacy Morrone, Margie Ferguson

9:00 a.m. – 9:15 a.m.  •  Call to Order
  • Approval of Agenda
  • Approval of minutes from 10/17 and 11/17 meetings
  • Scribe for the meeting
  • Chair’s Report

9:15 a.m. – 9:35 a.m.  Updates on Duo authentication for students
Dan Calarco

9:35 a.m. – 10:15 a.m.  Update on ScholarWorks/DataWorks
Jere Odell, Heather Coates

10:15 a.m. – 10:45 a.m.  Open Science Framework
Erin Foster, Heather Coates

10:45 a.m. – 11:00 a.m.  Final Questions
All

11:00 a.m.  Adjournment

Future Meeting Dates (Tuesdays, location UL 2115E):
2/13/18 Tuesday 9-11 am UL 2115E
3/6/18 Tuesday 9-11 am UL 2115E
4/10/18 Tuesday 9-11 am UL 2115E
IFC Technology Committee
9 JAN 2018 Meeting Minutes

- Welcome from Rob
- Beth will be returning late March (after Spring Break)
- Overview of agenda
- Review of Meeting Minutes
  o Review of Box Folder – All of agendas and minutes are in Box Folder
  o Follow-up on previous meetings
  o Online Proctored Testing and whether there will be a charge
  § John commented on this – Instructors will not be charged but students will be charged
  § John cited KB article – Cost of using Examity
  § This issue is if you are using a Face-to-Face course that is proctored
  o Any final questions on previous minutes
  o Move to approve minutes
  § Rob moved to approve
  § Chris and Connie second
  o No chairs report
- Update on Duo – Dan Calarco
  o “Cyber-Security for Students” - Presentation
  o Dan, VP for IT Chief of Staff
  o Josette Jones – Discussed issue with blind peer review and how Duo causes issues
  o Dan suggested tailoring a specific solution to this specific issue
  o Ken asked questions if there was an issue with Canvas and Duo
  § Dan provided an example where single sign-on would need to be broken in order to keep the login separate for Canvas
  o Ken asked if it was made easier to switch phones with Duo
  o It was asked if the Yubikey can be used overseas. The answer is yes but a specific browser will need to be used (Chrome, Firefox, Opera).
  o Dan mentioned some student complaints
  o Ken mentioned he needed to purchase a new phone to use with Duo and iPhone X works better with that phone than previous
- Update on ScholarsWorks/DataWorks - Heather and Jere
  o ScholarWorks
  § IUPUI does the same things as IU Bloomington with digital archiving and sharing of scholarly products
  § ScholarWorks is an institutional repository
  § Up until 2013 it was used as a repository for white papers, master’s theses, etc. After 2013 more content was provided by faculty.
  § In 2014, the campus adopted an open-access policy. Anything written by a faculty member that is a journal article, they are asked to provide a final draft (not published PDF). Currently, they are at 5000 peer-reviewed articles.
  § It is the fastest growing institutional repository in the United States
  § You can own your own collection. The School of Philanthropy is the number one area that is downloaded.
  § They are seeing an increase in Capstone Collections. The project can be published and a link available for a CV.
§ IUPUI publishes 15 peer-reviewed journals. Some of them are by faculty members, some by student groups and some are community organizations.
§ You can assign works to reviewers and accept submissions.
§ IU is launching PressBooks – On March 9 (9-12) on the first floor of the library. There is a panel that will discuss how textbook costs were reduced due to PressBooks.
• As a faculty member and you have developed a piece of coursework, you can allow open-access to it and obtain a license
• Ken asked if this is limited to journal articles. Jere stated that anything we want to share we can share on ScholarWorks.
§ The metadata gets sent out to search engines. There are other scholarly search tools that refer to ScholarWorks
  o DataWorks
§ Data repositories are built for open data. It is configured and built to share data openly
§ Because we have data that involves confidentiality is not a primary tool used on the campus.
§ Faculty have to own their data.
§ DataWorks is great for sharing your data and presenting your data for P & T.
§ DataWorks can issue a DOI. It also allows you to gather analytics through AltMetrics and gather analytics
§ Data is not just numeric but can be images, audio, video files, any type of raw material
§ Built on the same platform as ScholarWorks – It is not customized for data
§ Great tool for sharing data openly and getting credit for it
§ There are data journals where data can be published. ScholarWorks can be a backup.
§ Flowchart for submitting to DataWorks
§ You can create a data collection
§ Dataworks does have a review process to ensure that no protected data is posted (this is different from Scholarworks)
  o Data Catalog
§ They are currently exploring the creation of a data catalog to facilitate collaboration and data sharing that is not open.
- Open Science Framework (OSF) – Erin and Heather
  o https://cos.io - organization that produces the framework
  o Free open source that captures different facets of project
  o Supports collaborative research
  o Provides open project space for free
  o OSF offers a platform for PrePrints – Some communities just put out PrePrints
  o Library Information Sciences are starting to utilize this
  o There is some overlap with ScholarWorks
  o Can use OSF for conferences (OSF Meetings)
  o Erin had an inquiry for an OSF Institution Page
  o Erin previewed a webinar she gave
  o You can integrate other storage into OSF
  o Has rather extensive Add-ons list
  o At some point this will be a service but now it is free
- It can be used in a very broad way
- Any new business?

- John – Communicated around retirement of Adobe Connect

- UITS ran a service that converted old Adobe Connect recordings from as far back as 2011

- There have been an issue with faculty stating they did not know about it retiring. John is wondering how he can best respond to these faculty since there has been a history of communication that it is retiring.

- Meeting adjourned
IFC Technology Committee
February 13, 2018
9:00 a.m. – 11:00 a.m.
UL 2115 E

Co-Chairs: Elizabeth Whipple, Rob Elliott
Members: Sean Courtney, Cathy Fulton, Sara Hook, May Jafari, Connie Justice, Benjamin Keele, Caitlin Pollock, Christian Rogers, Nolan Taylor, LaQuia Vinson, Susan Walsh, Ken Wendeln, Luoding Zhu
Liaisons: Josette Jones, Gina Londino-Smolar, Stacy Morrone, Margie Ferguson

9:00 a.m. – 9:15 a.m. · Call to Order
- Approval of Agenda
- Approval of minutes from 1/9/18 meeting
- Scribe for the meeting
- Chair’s Report

9:15 a.m. – 9:45 a.m. · umail.iu.edu to Google@IU Email Changeover
Kevin Brokamp, eLearning Design and Services

9:45 a.m. – 10:15 a.m. · Next.iu.edu pilots
Joanna Ray, eLearning Design and Services

10:15 a.m. – 10:45 a.m. · Quality Matters
Anna Lynch, Manager, Online Instructional Design

10:45 a.m. – 11:00 a.m. · Final Questions
All

11:00 a.m. · Adjournment

Future Meeting Dates (Tuesdays, location UL 2115E):
3/6/18 Tuesday 9-11 am UL 2115E
4/10/18 Tuesday 9-11 am UL 2115E
IFC Technology Committee
13 FEB 2018 Meeting Minutes

In Person: Nolan Taylor, Rob Elliott, Ken Wendeln, Luoding Zhu, Josette Jones, Sara Hook
Online: May Jafari, Josette Jones, Caitlin Pollock
Guests: Kevin Brokamp, Anna Lynch, Joanna Ray, John Gosney

General discussion about IU Online fees
- IFC meeting noted that 31% of IU Online budget goes for “marketing and branding”
- Anna: “Priority support” for eDS is determined by Academic Affairs at IUPUI (example: Academic Integrity modules)
  - Goal: finding projects that have a bigger strategic impact overall
- Many resources from the IU Online fee are being compiled at https://TeachingOnline.iu.edu

Next.IU
- Anna: dearth of faculty engagement; need to figure out how to get more faculty input from piloted technologies
- More success comes from faculty who get the students on board with pilots from the outset; try to use a new tool into a specific week or module and ask the students to assist
- Shifting to support for existing technologies for faculty
- Adopted tools are being categorized and promoted at https://toolfinder.iu.edu
- Learning Analytics and Inscribe are the most current “pilot” efforts

Inscribe
- More about building community within a classroom
- Wiki-like; can be shared across sections
- ProfessorPedia is an IU resource for new and adjunct faculty
- Maggie Ricci has a number of use cases

Communication with Faculty
- How can UITS communicate better with faculty?
- Anna: Faculty evangelists are needed
- Ken: We need one-stop shopping with filters to find what we’re looking for
- Rob: KB needs to be weighted so that more important articles float to the top (Webserve example)
- John: How would we incorporate the shopping example when people really don’t know what they want?

umail.iu.edu changeover
- Transition begins March 11th; should be done by 19th
- Students will receive an individual message at the start and the end
- Students have four action steps:
  1. Acknowledge the Terms of Service (google.iu.edu)
- ~3% of active umail.iu.edu population didn’t have Google@IU account
- After accounts are created, each will receive a targeted message to ask for ToS acceptance

2. Transfer Umail Contacts
   - KB Doc about the transition

3. Stop using the umail.iu.edu email address
   - It will forward for the foreseeable future (no determined date) (“quite some time”)

4. Transfer Umail Google Drive & Calendar to Google@IU
   - Google @ IU Gsuite is a more current instance – will receive more updates and has more functionality than the account within umail
   - Flyers & messaging will come through Lynn Ward, etc.

Quality Matters @ IU
- There are a few qualified QM workshop hosts at each IU campus
- IU is constructing our own version of the face-to-face QM workshop

Quality Matters Levels at IU
1. CTL Online Teaching Cohort
2. 6-8 hour in-person workshop “QM @ IU”
   - Provides high-level conversation about QM’s 43 standards (8 essential standards; 43 specific standards)
   - Faculty can create an account in QM to see a top-level rubric of 8 essential standards; Full workbook is available to workshop participants
3. Faculty can choose to become a QM Peer Reviewer (funding available)
   - 3 week online course; intensive
   - At IUPUI, participation obligates faculty to perform ad hoc “pre-QM” reviews for other courses
   - The more peer reviewers we have at IU gives us more “peeks” into other universities’ online courses and can help inform our own course development
   - Formal QM reviews require at least one reviewer from another university
   - IUPUI has approximately 11 QM Peer Reviewers
4. Master Reviewers are the highest level; we do not have any Master Reviewers at IU (any campus)

QM at IUPUI
- IUPUI will sponsor internal QM reviews of online courses
  - Review focuses on 8 essential standards, plus 2 IU standards
    - Added a focus on accessibility
    - Added a measure for faculty-initiated student engagement
      - EDS is building an internal faculty engagement guide
  - If you meet those standards, then you can qualify for funding for a full QM review
- IU is never going to mandate this level of scrutiny of online courses; QM certification is one piece of a much bigger picture to gauge success of online courses
# AGENDA

**IFC Technology Committee**

March 6, 2018  
9:00 a.m. – 11:00 a.m.  
UL 2115 E

**Co-Chairs:** Elizabeth Whipple, Rob Elliott  
**Members:** Sean Courtney, Cathy Fulton, Sara Hook, May Jafari, Connie Justice, Benjamin Keene, Caitlin Pollock, Christian Rogers, Nolan Taylor, LaQuia Vinson, Susan Walsh, Ken Wendeln, Luoding Zhu  
**Liaisons:** Josette Jones, Gina Londino-Smolar, Stacy Morrone, Margie Ferguson

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<tr>
<th>Time</th>
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| 9:00 a.m. – 9:15 a.m. | • Call to Order  
• Approval of Agenda  
• Approval of minutes from 2/13/18 meeting  
• Scribe for the meeting  
• Chair’s Report |
| 9:15 a.m. – 9:30 a.m. | Tableau overview of data available to academic units and how to access, plus brief Q&A  
Steve Graunke, Director of Institutional Research and Assessment |
| 9:35 a.m. – 10:00 a.m. | Testing Center/Online Testing update plus brief Q&A  
Howard Mzumara, Director of Testing Center |
| 10:00 a.m. – 10:50 a.m. | Software and Services Selection Process overview  
James Russell, Group Manager, IT Community Partnerships |
| 10:50 a.m. – 11:00 a.m. | Final Questions  
All |
| 11:00 a.m. | Adjournment |

Future Meeting Dates (Tuesdays, location UL 2115E):  
4/10/18 Tuesday 9-11 am UL 2115E
IFC Technology Committee
6 MAR 2018 Meeting Minutes

In Person: Rob Elliott, Ken Wendeln, Sara Hook, Luoding Zhu, Nolan Taylor, Christian Rogers
Online: LaQuia Vinson, Josette Jones
Guests: Stacy Marone, Steve Graunke, Howard Mzumara, James Russell
Scribe: Christian Rogers

Approval of minutes from 2/13/18

- Approved by Chris
- Seconded by Nolan
- Review of previous minutes

Approval of Agenda

- Approved by Ken

Chairs Report

- No Chairs Report

Updates

- Email Changeover
  - Student email changeover starts Sunday
  - Stacy checking on tool to import contacts
  - Rob confirmed there is a tool to import contacts

Tableau overview of data available - Steve Graunke

- Website is irds.iupui.edu
- Reports Data from across campus - Credit hours
- Works extensively with Tableau
- Provided tips and tricks document for Tableau
- Presented DFWI Reports - Grade distribution report
- Two versions - Secured and public version
- Overview of software (filtering by degree and course)
- Overview of grade distribution
- Overview of 360 Point-In-Cycle Reports
- Look at applicant demographic reporting, enrollment report, class capacity
- Sara brought up issue of holding classes for students that need to graduate
- Overview of class enrollment trends
• Tableau Users Guide PDF on website
• Provided course matrix
• Rob asked if the data can be flipped and we can ask what (for example) Kelley students are taking
• Overview of faculty retention (tenure-track)
• Satisfaction of faculty & staff
• Send information to Steve for IU Online Info
• To request data go to the Contact Us form
• Provided link to academicanalytics.com

Testing Center/Online Testing update plus brief Q&A - Howard Mzumara

• Slides were made available on Box
• Mostly provides services to students
• Offers proctoring services
• Two testing centers
  • Proctoring of computer-based class tests/exams (SL070)
  • High-Stakes Testing Admissions/Certification (BS3000)
• Now considered national testing center through NCTA
• Howard suggested time to have students complete in-class evaluations the last four minutes of class
• Sara mentioned that this is a problem with online courses
• Some are against incentives to spur course evaluation
• Stacy asked if she had anything to add about testing center
• They are looking to see what data can be used to be shared in Tableau format

Software and Services Selection Process - James Russell

• What does SSSP look to achieve?
  • Allows UITS to steer an applicant toward existing software and services
  • Connection to IT professional - Bring IT professional into the loop early so that they can better support products
  • Enables UITS to assess the security and integrity of the software and services
• 98% of services go through process within 48 hours
• Immediate benefits
• In-depth Assessment needs a deeper dive
  • Area Assessment leads
  • UISO Assessment
  • Data Steward Leads
• 125 titles in IU Anywhere
• Post-assessment
• What’s next?
  • What is moving through the system
  • Publishing whitelist and blacklist
  • Categorizing institutionally licensed software
  • Reporting on status of cases that involve UISO and/or Data Steward review
• Nolan: What if a professor needs infrastructure to place software they have access too?
  o It is valuable for it to go through the system - “you may have more support than you realize”
  o The third party assessment it can take up to 6 weeks to process
• Lab and instructor machines that are currently in the system go through a different system
• Involve IT pro to help steward process

Final Questions?

Changing role of non-tenure track faculty

• Ten members on faculty council are non-tenure track (at large)
• Vote is to allow units to elect non-tenure track faculty as their representative
• There will be 2 non-tenure track seats on the Executive Committee
• Take away all at-large seats for non-tenure track faculty and make those for tenure-track faculty
• Reduce voting power of the deans (currently automatic voting members)
• Constitutionally cannot be made up of more than 40% of non-tenure track faculty members
# AGENDA

**IFC Technology Committee**

**April 10, 2018**  
9:00 a.m. – 11:00 a.m.  
UL 2115 E

**Co-Chairs:** Elizabeth Whipple, Rob Elliott  
**Members:** Sean Courtney, Cathy Fulton, Sara Hook, May Jafari, Connie Justice, Benjamin Keele, Caitlin Pollock, Christian Rogers, Nolan Taylor, LaQuia Vinson, Susan Walsh, Ken Wendeln, Luoding Zhu  
**Liaisons:** Josette Jones, Gina Londino-Smolar, Stacy Morrone, Margie Ferguson

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• Call to Order  
• Approval of Agenda  
• Approval of minutes from 3/6/18 meeting  
• Scribe for the meeting  
• Chair’s Report  |
| 9:15 a.m. – 9:45 a.m. |  
**Web Collaboration Tools**  
Matt Gunkel, James McGookey  |
| 9:45 a.m. – 10:05 a.m. |  
**Update on UITS Dissemination Plan**  
Matt Gunkel  |
| 10:05 a.m. – 10:35 a.m. |  
**Research Technologies/Pervasive Technology Institute**  
Matt Link  |
| 10:35 a.m. – 10:50 a.m. |  
**Update on IU Anywhere**  
Stephanie Cox  |
| 10:50 a.m. – 11:00 a.m. |  
**Final Questions**  
All  |
| 11:00 a.m. |  
**Adjournment**  |
IFC Technology Committee
10 APR 2018 Meeting Minutes

Chair’s report
Rob—structure of Faculty Council. Changes went through. Next academic year, no at-large tt. Now NTT will be allowed to represent their units. Other big change will be 2 seats on EFC reserved for NTT faculty. Take effect in August.
Distance Ed committee—new software & services selection process (SSSP)—distance ed interested/confused about it, Maybe joint meeting around that process. James Russell, Tally (Thrasher)

Web Collaboration—James McGooley, Matt Gunkel
Big accomplishment—retirement of Adobe Connect. Happy to be tehre and have it totally retired. Converted all recordings from mid-2011 to 2017 to .mp4, Gave faculty ability to download, transfer to Kaltura/Box/wherever they wanted it. CTLS worked w/faculty on Adobe Presenter presentations and other trickly files. Zoom is now our web collaboration platform. New feature enhancements—integration w/Kaltura. Recordings can go directly from Zoom into Kaltura, set auto-record function. Recordings will show up in MyMedia folder in Kaltura. Very big step bc has allowed UITS to retire iStream (homegrown system from 17 years ago). Have migrated iStream users in fall 2017 to Zoom. Beginning Jan 2018 have transitioned to Zoom. June 2018 will officially retire iStream. IU Bridge staying for conferencing. Recently finished security review. Now specific instance of Zoom that is aligned to HIPAA and available. Should be a KB doc on that, will be out shortly (if not already). Will be told you’re in the HIPAA aligned instance of Zoom.
Rob—in Zoom something that would be helpful, if there is some way to align groups in Canvas with Breakout rooms in Zoom, or have students in a consistent breakout room in Zoom. Wants to define breakout rooms that are consistent over weeks—“sticky” breakout rooms.
Matt Gunkel—Making traction with Grouper?
Classrooms/conference rooms—continuing to ensure audio/video capabilities in place. Most often PC-based. Microphones and cameras to support Zoom calls, also lecture capture, as well. Dial prefix 26 then zoom number into a Polycom/Cisco system. Will be able to screenshare. Won’t be able to chat, though.

Canvas—embed link to Box in Canvas. However, when you use that tool (in Canvas), if Box file is not set to public
Josette—How to easily new GoogleDrive in Canvas, creates new email address? How to use 2 different google accounts. When you connect Canvas to Google, it connects to Google IU accounts. Matt G. can send KB article on how to manage multiple Google accounts.
Rob—will students be automatically associated with IU Google accounts? Matt G—yes.
James—continue to look at interactive whiteboards, ability to share them. If people are interested and have a use case. Physical whiteboards/Smartboards in classroom. Wall-mounted Surface. UITS does have a few Surface Hubs. Struggle a little. Cisco Spark, Google JamBoard. Really need to live in their ecosystem. Can be difficult to navigate the licensing. Can be frustrating to figure out how to deploy these. Also looking at touch screen display. If you’re on a touch monitor, can share at a distance in Zoom. Microsoft’s OneNote has good drawing capabilities. Samsung Flip—nice thing is there are no accounts required. Doesn’t work well at a distance. A few faculty are very interested, but really want to hear from people what they are looking for, what they think UITS should be looking for. Rob—ET 329 (mosaic room) had smart board (w/cord) that went away?
Doseri—w/iPad pencil. A lot of people don’t know that some of this technology already exists, more of a portable or web-based solution. Rob—85% of faculty just want to draw on their slides.
James—some lectern touch-enabled monitors are in rooms—would faculty use them to annotate/draw? Faculty spaces—Learning Glass that has LED lights around it. Can use neon markers. Using for math, chemistry equations, drawings. Nolan—Have looked at trying to use them in a classroom. Needs camera in front of it for projection. Maybe in 4095. Maybe a room in Hine Hall?

Update on UITS Dissemination Plan—Stacy Morrone and Matt Gunkel
Stacy—UITS believes it has a dissemination plan. Monitor, Lynn Ward for learning technologies, CTLs, conduct pilots to participate in them (next.iu.edu). Feedback is not quite so much change for a little bit. So trying to not make such radical changes. Faculty at IU have really good technology. Communication is tricky. Use vehicles that exist McGraw Hill catalog available for $35/book (this is a big deal). Have not emailed faculty directly (unless they have a using a specific technology). Matt Link—monthly newsletter. If there something that would be useful
Matt G—using Salesforce to streamline/clean up messages going out. Tech Tool Finder to show faculty/provide mechanisms when you are ready (in case you missed the email). Hopefully to present what the technology can do and present use cases. Working more towards integration strategy, how to streamline workflows. Faculty member from IUPUI and IUB to work as a faculty fellow with UITS—will be part of Matt Gunkel’s team. One at 60%, one at 50%. Roughly half of their time with UITS. May afford some insights to better communicate with faculty. Teaching.iu.edu is meant to be a one-stop shop.
TopHat—starting to look at the possibility of an enterprise license. Makes more sense/more affordable for students if it’s used in multiple classes. Always a concern when we pass fees onto students. And for proctoring, testing center allows students to take tests at no cost (for online proctoring). Free if course is totally online, but if not, students are charged a fee. IUPUI (as a campus) are better poised. Looking at increasing the capacity of the testing center.
Matt G—looking at recommender technology. Recipe maker to create different scenarios, how are other faculty doing that. Uxo Office—user experience office. May be seeing a prototype soon.
Looking to the fall—smart classroom project, machine learning. Do some pilots in the classroom. Right now so much “stuff” that faculty have to do in between classrooms.
James—supporting accessibility as an example. The change for accessibility changes the software that people use, designers make interfaces, which hopefully makes it better for everyone.
Issues with new MacBooks and being able to play out movies from NetFlix/Amazon Prime. There is an encryption that happens that doesn’t work with multiple systems. Connector issue is a known problem.

Research Technologies/Pervasive Technology Institute—Matt Link
Computation is free. Most storage is free until you get to a certain point. Then you decided if you need more or can live with what you have. Big Red II
Karst is a more affordable machine. Can buy a condo node. Karst will be retiring, will be bringing up Carbonate.
Jetstream is NFS award to IU cloud environment. Allows 2 primary things—have virtual machine (VM) with gateway software, can get allocation from IU. Log in, have things set up, then log out. Or can bring own tools, save it, log in.
One things that RT has always been keen on. HPC has been working on reducing the barriers for those who use it. XSEDE. Discovery environment. Tied together for resources. Users coming into JetStream maybe can transition into next step.
Storage. Storage to support researchers in 3 types from RT. Data capacitor 2—supports computational systems, aligned with HIPAA. Both scratch and projects based (scratch gets purged). Going to be replaced this spring/summer w/12 petabytes of file systems. 4 for normal user quotas, 8 dedicated to projects. Not backed up. However, researchers can back it up themselves on the scholar data archive.
Geode system—Research file system. Open to IU community. If you have data on laptop, then need to
work on computational systems, can get to data in one
Scholarly Data Archive—Tape Archive. Large-scale archive. This backs up ScholarWorks.
Karst desktop, Interactive desktop to interact with the supercomputer. Can also submit jobs to the
supercomputers. Wildly successful is leading to launch RED.
RED is Interactive desktop to all of IU supercomputers. Launch job, log out, go do other stuff, come back,
log back in, and job is finished. Big deal—coming summer 2018. Working with Brian Hawkins (UXO)
Research Database Complex—research database and data applications. Nice service for smaller research
databases.
Data Analytics—offer software for purchase, GIS/remote sensing. Example—Medical and Molecular
Genetics groups needed to get computational stuff done for a grant. Calculated it would take them
811,000 hours to complete jobs. Spent 4 days with them, 4 people, changed their workflow, got done in
250 hours. Also found problem with data, got it fixed and run.
Data Visualization—VR, digital humanities, haptic interface systems, 3D. have Viz and Collaboration
Theatre. Working on classroom-based VR.
ABITC—RedCap (lots of demand and development)—will see an expanded scope on this.
National Center for Genome Analysis Support—funded by NSF, do consultations for biologists, data
storage
Education and Outreach—in person classes, online classes, brown bags. Happy to engage.
Ready, set, robots—high school summer program. 3 days bring students in, after three days teach them
to program robots
Big thing to connect people to resources (which can be people)—want to form a lasting partnership
Right now, average wait time (Jan 2018) is 11 hours on Karst. Carbonate is about 5. Trending upwards as
systems become more popular. If you see queue time is something egregious, email them.

**IU Anywhere—Stephanie Cox**
Want to first configure your cloud storage. If you want to request to have an application put into IU
Anywhere you can do that.
IU Anywhere has been used to teach online classes—created a virtual desktop with applications the
faculty member wanted to use, integrated it with Canvas and Box. Faculty are able to push links,
information through the desktop. Cost barriers are less of an issue. Could handle double of (40 to 50)
Finally made IUAnywhere a lot easier to use. No client installed is required. Can do from phone, other
devices. Over 300+ applications, 12 unique virtual machines. Storage follows you (since we’re using
cloud storage). 18 sec login time
New virtual desktop for Speech and Hearing program to meet their requirements with locked down
security. Also did one for School of Dentistry so they could go out into the community. Just take out a
laptop, iPads, phones, etc., but everything is secure, HIPAA aligned with virtual desktop.
Largest user group is Undergrad students (over 90%), 1 hour, 3 minutes is average session time.

Classroom technology

Meeting adjourned 11:10am.