



Virtual Collaboration

Exploring New Frontiers

PRESENTERS (Unconference Organizers)

Kristen Borysewicz, University of North Dakota

Merete Christianson, North Dakota State University

Jessica Gilbert Redman, University of North Dakota

Dawn Hackman (online), University of North Dakota

Erika Johnson (online), University of North Dakota

Laura Trude, North Dakota State University

LibTech Conference

March 15, 2018



Try Blackboard Collaborate Ultra:

<https://goo.gl/JGb59o>

Log in via Google Chrome



How familiar are you with Blackboard Collaborate Ultra?

1. Very familiar
2. Somewhat familiar
3. Not very familiar
4. Never heard of it
5. I don't know



If familiar, did you use it as a participant, presenter, or moderator?

1. Participant
2. Presenter
3. Moderator
4. I'm not sure



The Concept



Why an Online Unconference?

- No travel
- Lower cost
- Participant-driven
- Unique content



Collaborate Ultra : PROS

- Higher number of participants allowed than other online collaboration software
- Allowed participation from people who otherwise wouldn't be able to make it
- Participants didn't need to install separate or special software
- Ability to call in if participant audio/mic stops working
- Allowed us to control microphone and whiteboard access
- Breakout rooms for meetings and poster sessions
- Moderator-only chat



Collaborate Ultra : CHALLENGES

- With online collaboration, potential problems with connectivity somewhere along the line between the user and the speaker—frustrating especially when it has nothing to do with the collaboration software itself
 - Recommend letting participants know ahead of time that you may pull them into a troubleshooting room if they seem to be having problems
 - Can't fix problems that aren't with our system or our connection specifically
- Speakers can forget to mute themselves
- Not able to record breakout rooms (poster sessions, meetings)
- Rooms randomly disappeared in the middle of a speaker's session (before they were needed, luckily)



Facilitating Discussion

- Meet and Greet
- Introductions
- Information Literacy Discussion



Marketing



Market and Repeat

- NDLA Listservs
- Regional Library Listservs
- Library Directors



Pre-Curtain Call Communication

- Training information for presenters
- Reminders
- Day of login information
 - Presenters
 - Participants



Details for the Day



A Schedule vs Logistics

The day's plan

SCHEDULE

1:00-1:15	Meet & Greet/Sign in
1:15-1:30	Mary Soucie: The State of Libraries/Librarianship in ND
1:30-1:45	Q&A with State Librarian

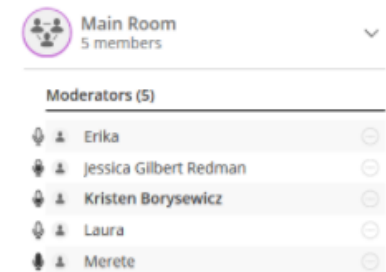
What needs to be done

12:15

- Jessica & Kristen go to Blackboard Reference Organization, click on Collab Ultra and will see the session to click - that let's us in as moderators

12:20

- Merete, Dawn, Laura, Erika click on the session link on the Unconference Page and they get elevated to moderators too - they need to be ready to troubleshoot
- Jessica & Kristen elevate helpers to moderator status (...)
 - Merete
 - Dawn
 - Laura
 - Erika



Moderators have option to chat to each other separately (choose the moderator chat option).
Use the troubleshooting breakout room.

**Detach panel option to always have participants showing NEXT TO PARTICIPANTS
CLICK ...**



Logistics Document

- Minute-by-minute guide for moderators
- Specific duties assigned to each moderator for each transition (e.g., "change slide" or "turn on participants' mic")

The screenshot shows a Google Docs document titled "Unconference Day Logistics". The document is a minute-by-minute guide for moderators. The left sidebar shows an outline of the document, and the main content area shows the text of the document. The document is dated Tuesday, May 16th, and starts at 12:15. The schedule includes various activities such as welcoming participants, sharing about themselves, and introducing speakers. The document is edited by an anonymous user on May 16.

Unconference Day Logistics

File Edit View Insert Format Tools Table Add-ons Help Last edit was made on May 16 by anonymous

100% Normal text Arial 11 B I U A

Outline

Tues May 16th

12:15

12:20

12:30

12:55

1:00-1:15

1:15-1:30

1:30-1:45

1:45-2:15

2:15-2:25

2:25-2:30

2:30

2:45

3:00

3:15-3:20

3:20-3:40

3:35

3:40-3:45

12:55

- Jessica allows participants' mic & whiteboard drawing
- Erika pulls up Slide 1 (Welcome)

1:00-1:15

- Merete welcomes the group and invites people to share about themselves and/or their libraries (refers to process notes; warns not to use the eraser button)
- Erika pulls up Slide 2 (Whiteboard slide)

Meet & Greet/Sign in/activity Whiteboard, quick intro

1:15-1:30

- Kristen starts recording (upper left 3 dashes)
- Erika pulls up Slide 3 (Mary Soucie)
- Jessica turns off participants mic & whiteboard drawing
- Merete introduces Mary - explains that there's introduction with Q&A at end

Mary Soucie - comments about the state of libraries/librarianship in ND

1:30-1:45

- Erika pulls up Slide 4 (Questions for Mary)
- Jessica turns on participants' mic

Q&A with State librarian

1:45-2:15

- Erika pulls up Slide 5 (Framework questions)
- Merete invites people to respond to prompts or steer the conversation in a new direction

Framework

2:15-2:25

- Erika pulls up Slide 6 (NDLA Membership)
- Merete announces break and what's coming next

Break/Virtual set up

Even so...

You'll never be able to plan for everything, so be prepared for as much as possible and be willing to go with the flow on the day of the event!



The Slides...



Welcome to the Unconference!

Thank you for joining the HSIS and ASL sections of NDLA at the 2017 Unconference.

TECHNICAL HELP

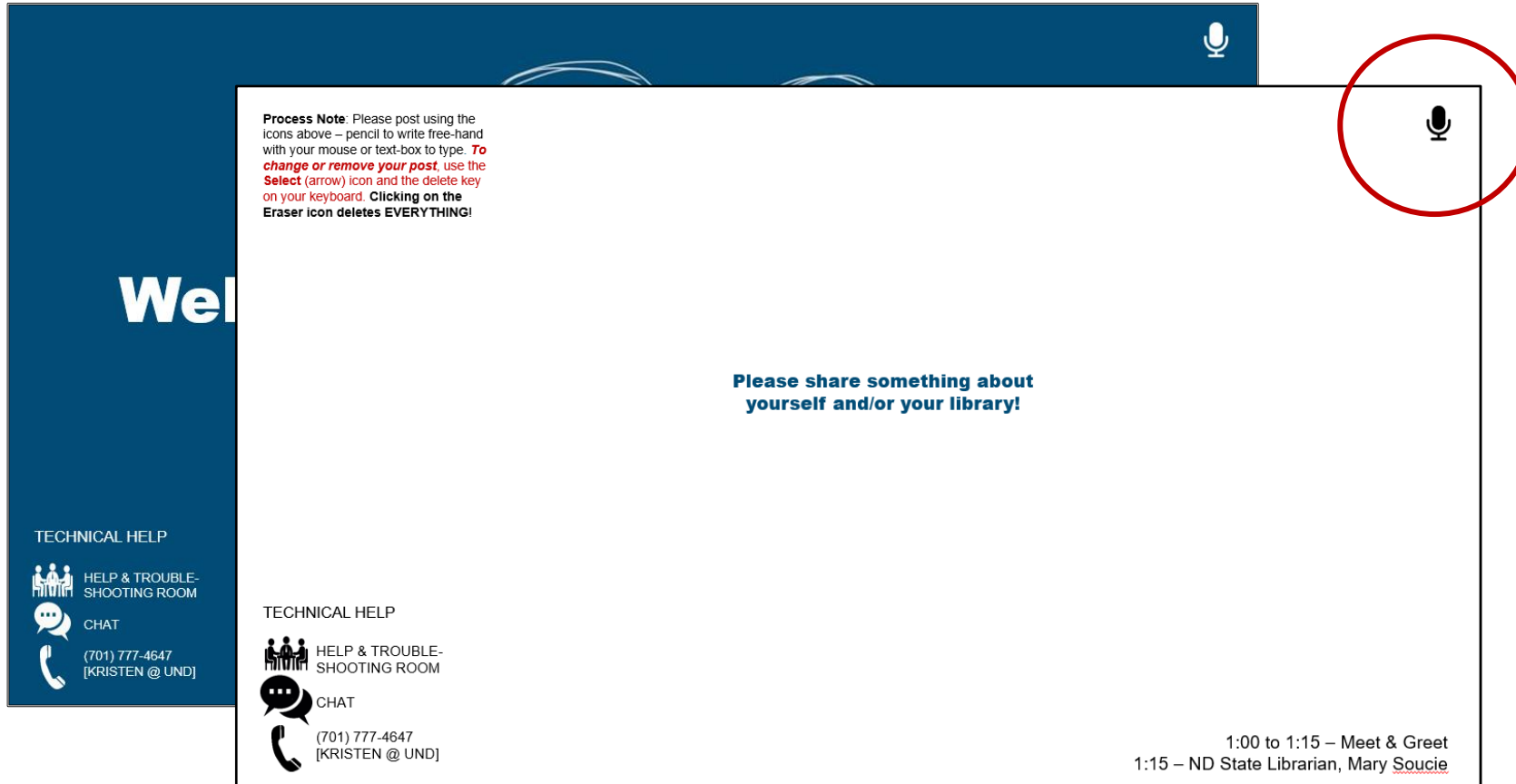
 HELP & TROUBLE-SHOOTING ROOM

 CHAT

 (701) 777-4647
[KRISTEN @ UND]

1:00 to 1:15 – Meet & Greet
1:15 – ND State Librarian, [Mary Soucie](#)

The Slides...



The image shows a presentation slide with a dark blue header and footer. The main content area is white. In the top right corner of the slide, a microphone icon is circled in red. The slide contains a 'Process Note' in the top left, a central prompt, and contact information for technical help in the bottom left and bottom right.

Process Note: Please post using the icons above – pencil to write free-hand with your mouse or text-box to type. **To change or remove your post,** use the **Select** (arrow) icon and the delete key on your keyboard. **Clicking on the Eraser icon deletes EVERYTHING!**

Wel

Please share something about yourself and/or your library!

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NDLA North Dakota Library Association
Established 1926

Are you a member?

It's time to join!

- Be the first to receive library announcements.
- Stay up to date with library events in North Dakota.
- Network with librarians across the state.

<http://ndla.info>

2:15 to 2:30 – BREAK / VIRTUAL SET UP
2:30 – Sessions

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UN CONFERENCE

Sessions

2:30 *Life in a Bookless Library: A Discussion on the Future of Libraries*
Kelly Thormodson

2:45 *Leadership in Today's Libraries*
Karlene Clark

3:00 *Open Educational Resources at the University of North Dakota*
Holly Gabriel, Megan Carroll, and Zeineb Yousif

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REC

2:30 to 3:15 – Sessions
3:15 – BREAK / VIRTUAL SET UP



How it works



What is your favorite dessert?

Use the whiteboard tools we just discussed to let everyone know your favorites!

- Draw it!
- Write it!



Poster Presentations



Hybrid CUDA/JAVA model for GPU Calculations in Absorption of Atmospheric Radiation

William F. Godoy
NASA Langley Research Centre, Hampton, Virginia

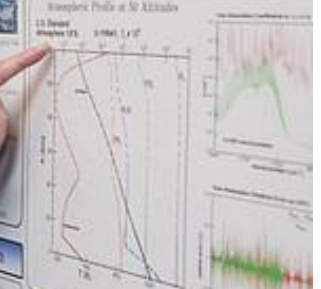


Abstract
This paper presents a hybrid CUDA/JAVA model for GPU calculations in the absorption of atmospheric radiation. The model is designed to be highly efficient and scalable, allowing for the simulation of large-scale atmospheric phenomena. The results show a significant speedup compared to traditional CPU-based models, particularly for high-resolution simulations.



Introduction
The absorption of atmospheric radiation is a complex process that involves the interaction of solar radiation with atmospheric molecules and particles. Accurate modeling of this process is essential for understanding climate change and atmospheric dynamics. This paper introduces a new hybrid model that leverages the power of GPUs to accelerate these calculations.

Results and Speed up for Atmos



Summary & Conclusions
The hybrid CUDA/JAVA model demonstrates significant performance improvements over traditional CPU-based models. The use of GPUs allows for faster and more accurate simulations of atmospheric radiation absorption, which is crucial for climate modeling and research. The model's architecture is flexible and can be adapted to different simulation scenarios.



e-Poster Sessions

- More similar to a traditional conference than expected
 - Breakout rooms with preloaded posters (1 per room)
 - Presenters stay in room
 - Attendees move at will & can ask questions (audio or chat)
- Engage with participants to initiate discussion
 - Greet
 - Elevator speech
 - Invite questions

Poster Presentation

2 Participants

Breakout Groups
You're in: Poster: Johnson

- 0 Main Room
- 0 Help & Troubleshooting
- 0 Poster: Kornkven
- 2 Poster: Johnson

Moderators (2)

- Erika #2
- Jessica GR

- 0 Poster: Olson
- 0 Poster: Hackman
- 0 HSIS Meeting
- 0 ASL Networking

Need for Project

As the only National Network of Libraries of Medicine (NNLM) resource library in North Dakota, the UND Health Sciences Library provides health information to professionals and the general public in the state. However, there is limited data showing the information resources available to the rural and medically underserved regions of the state. Therefore, this project aims to assess information needs by directly contacting health professionals across North Dakota so that Health Sciences Librarians at UND will have a clear understanding of how these needs are and are not being met.



UND Medical School Librarians Conduct an Information Needs Assessment for ND Health Professionals

Erika Johnson, Presenter



Results

Interestingly, approximately 60% of the returned surveys were completed by allied health professionals. Of these, approximately 60% practice in rural communities. These professionals are looking primarily for patient care and drug information. Librarians asked what specific information sources they wished they could access, and many demonstrated that they are not aware of the free, high quality information sources that are provided by the National Library of Medicine (NLM) and the National Institute of Health (NIH).

Future Directions

UND Health Sciences Librarians now have some basic data about information needs across the state of North Dakota, and specifically in rural and medically underserved areas. The next phase of this project will involve additional conversations with health professionals regarding how they would like to receive communication and instruction about information sources that are already freely available.

Methods

Librarians created a brief online survey to learn about health professionals' information needs. The survey was distribute through 13 professional organizations in North Dakota (ND Academy of Family Physicians, ND Center for Nursing, ND Hospital Association, and more). Approximately 300 health professionals completed the survey.

Contact the librarians with questions:

Kelly Thormodson, MLIS, AHIP E: kelly.thormodson@med.UND.edu P: 701.777.4129	Marcia Francis, MA, MED E: marcia.francis@med.UND.edu P: 701.751.6767	Erika Johnson, MLIS E: erika.m.johnson@med.UND.edu P: 701.293.4173	Dawn Hackman, MS, AHIP E: dawn.hackman@med.UND.edu P: 701.777.4792
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This project has been funded in whole or in part with Federal funds from the Department of Health and Human Services, National Institutes of Health, National Library of Medicine, under Grant Number 1UG4LM012346-01 with the University of Iowa.

johnson-poster.pptx



Redesigning an Active Learning Information Literacy Series

Dawn Hackman, MS, AHIP

Library Resources, School of Medicine & Health Sciences, University of North Dakota

Abstract

In August 2016, librarians at the UNDSMHS embarked on a curriculum redesign project to better integrate active learning principles into library lectures. One year into the project, a five-lecture series for the medical program has been redesigned to feature case-based learning exercises.

Background

- Undergraduate medical education at the University of North Dakota:
 - First two years held in Grand Forks, ND. Curriculum consists of basic science lectures, clinical skills lectures and practice, and small-group case-based learning experiences referred to as "PCL."
 - One academic year consists of four eight-week blocks.

Methods

- Case vignettes & activities modeled after PCL format.
- Scenarios adapted from EBM textbooks, existing lectures found on MedEdPortal.org, or from real-life examples known to librarian.

M1

Orientation

- Topics:
- Background info vs. Foreground info
 - Case vignette
 - Identify LOs
 - Find answer
 - Citations
 - Basic searching in PubMed

Block 1

- Topics:
- What is primary lit?
 - Case vignette
 - Creating the question
 - Searching PubMed w/ MeSH

Block 3

- Topics:
- Case vignette
 - Introduce PICO
 - Advanced PubMed MeSH (e.g. pharm action)

M2

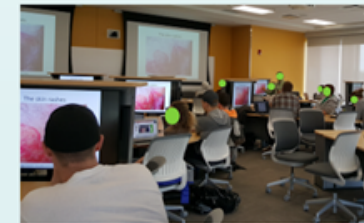
Block 5

- Topics:
- Evidence-based Medicine
 - Case vignette
 - Find the "best" evidence

Block 8

- Topics:
- Dermatologic exams in a primary care setting
 - Point-of-care resources
 - Case vignette
 - Identify clinical cues
 - Differential diagnoses
 - Compare entries in point-of-care resources

"The session was very interactive and I felt that I grasped how to use the library resources by actually using them and finding them during the presentation."



Block 8 – Viewing case vignettes

"I really liked how [the instructor] brought a personal story in and used it as an opportunity to teach us."

Advantages

- Case-based learning is used throughout their curriculum. Case scenarios also used in licensing examinations.
- Makes the exercises & content more relevant to them.

Challenges

- Redesign is very time-consuming. Focused on one lecture at a time.
- Library lectures *not* required attendance. Had to be flexible with planned activities.
- Library content sometimes not immediately relevant to the first two years of their coursework.
- Few students (20-25) returned evaluations. How much weight do you give the comments?

Conclusion

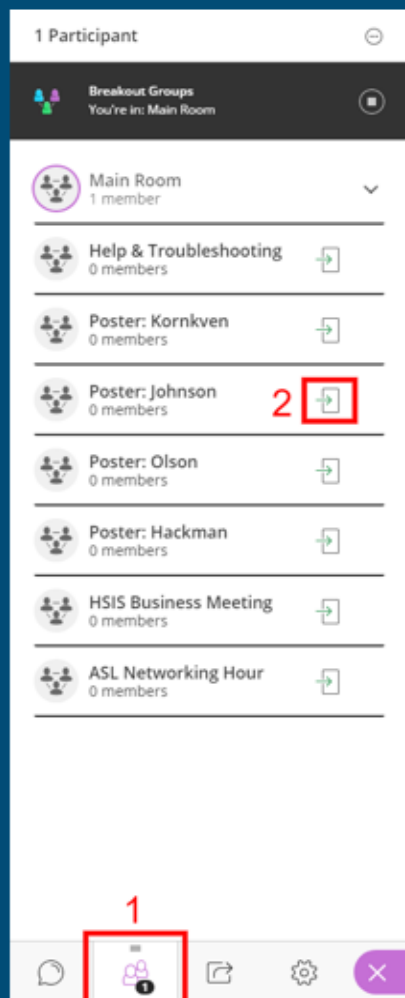
- Although early in process, preliminary feedback indicates the importance of continuing with this project.
- Future areas for attention: improving AL exercises, especially in orientation and Block 3; less repetition of topics; expand to other programs.



Poster Sessions

How to move...

1. Click the PARTICIPANTS button.
2. Click the ENTRANCE button for your session.



Poster sessions are **concurrent**. Feel free to move from room to room to view posters and interact with presenters.

Kelly Kornkven

Encouraging OER Use at Small Universities

Erika Johnson

UND Medical School Librarians Conduct an Information Needs Assessment for ND Health Professionals

Devon Olson

Enhanced Bibliographic Access and Scalar: A Case Study

Dawn Hackman

Redesigning an Active Information Literacy Series

TECHNICAL HELP



HELP & TROUBLE-SHOOTING ROOM



CHAT



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3:20 to 3:40 – Posters
3:40 – BREAK / VIRTUAL SET UP



What is one way you think you could use Blackboard Collaborate Ultra?

Use the whiteboard to write your ideas!



Attend or present at the 2018 NDLA Unconference!

- <https://ndlaunconference.weebly.com>
- Presentation/poster proposals due by Wednesday, March 21
- Check out the 2017 Archive to see conference video, session slides, and posters



Thank you!