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CENTER FOR LEARNING IN THE DIGITAL AGE (LiDA)
LiDA Colloquium Series – September 26, 2024

https://www.rochester.edu/warner/lida/programs/lida-colloquium-series/

LiDA PROJECTS' Showcase and Connections

Brief Description

As it has been our tradition, our first Fall event is designed to provide an opportunity for LiDA Community members to share updates on current projects and identify new opportunities for connections and collaboration. Because of its nature, this event will follow a different format than other events in the series: in breakout rooms by "theme" we will have several brief presentations on related on-going projects, followed by making connections; written brief descriptions and updates about each project will also be made available on the LiDA Colloquium website for reference.

LiDA contact information: lidacenter@warner.rochester.edu.

Outline

ASYNCHRONOUS COMPONENT:

- *(if you wish)* Contribute information about your LiDA-related project(s) under the appropriate section of the "Information about Current LiDA projects" section in this Google doc *(following this outline)*, using the established template
- Review the "Information about Current LiDA projects" section of this Google doc

ZOOM SESSION:

1. Introduction to the Fall 2024 LiDA Colloquium Series and overview of this session *(Raffaella Borasi)*
2. Projects' updates and connections in breakout rooms by theme *(choose the one you are most interested in)*:
   A. Leveraging Online Learning *(Facilitator: Eric Fredericksen)*
   B1. Leveraging AR/VR for Digitally-rich Teaching & Learning *(Facilitator: Md. Mamunur Rashid)*
   B2. Leveraging Digital Technologies (other than AR/VR) for Digitally-rich Teaching & Learning *(Facilitator: Yu Jung Han)*

B3 Systemic Reform Efforts towards Digitally-rich Teaching & Learning *(Facilitator: Cynthia Carson)*

*C.*Promoting Computer Science Literacy *(Facilitator: Zenon Borys)*

*D.*Implications of "Future of work at the Human-Technology Frontier" for Education *(Facilitator: Dave Miller)*

Structure:

- Sharing by assigned conversation starters (~2-4 minutes per project - making sure at least 15 minutes are left for discussion), addressing the following questions:
  - *What is your project about, in a nutshell? (elevator's pitch 1 minute ONLY)*
  - *(if appropriate) What are key updates from last year?*
  - *What are some key insights you would like to share and/or question/challenge you are wrestling with and would like help with?*
  - *What are key activities and opportunities for participation/ collaboration in the coming year?*
- Additional brief sharing by other breakout room participants
- Open conversation/discussion - *optional prompts the group may choose from:*
  - *Share new ideas you may have gained to extend/enhance one of your current projects*
  - *Identify common challenges and discuss ways to address them*
  - *Identify potential synergies/collaborations and discuss how they could be realized*

3. Whole group sharing of highlights from each breakout + professional learning opportunities
4. Closing

Shared 2024-25 Professional Learning Opportunities:

NOTE: Items marked with "+" may be restricted - check the links for eligibility

Public Events:

- LiDA Colloquium - Fall 2024 Series (w/ posted recordings):
  - Sharing Experiences of Using GenAI in Education (10/16)
  - Sharing Decisions Made about Using AI in Schools and Universities (11/12)
- AI Horizons Learning Series (w/ posted recordings):
  - Introduction to LLMs and their Extensions (9/12)
  - What Can AI Learn from Child Development? (9/16)
  - Principles of Motivation, Learning & Teaching for AI Educational Applications and Development (9/23)
  - Societal Implications of GenAI (10/3)
  - Embodied Learning for AI Literacy (10/10)
  - AI in Medicine: From Deep Learning to LLMs (10/21)
  - How GenAI will Change Healthcare (10/28)
  - Safety and Ethical Issues in AI (11/4)
- Special UR Online Learning Symposium focused on BB Ultra *(11/1)*

One-time workshops/webinars:

- UR online learning workshops series
- Studio X workshops:
- UR Teaching Center workshops:
- College Writing Workshops
- River Campus Libraries - Data Workshops

Websites/self-paced modules:

- Hy-flex teaching & learning at UR
- Teaching During Times of Disruption
- *University website for Ultra* - https://tech.rochester.edu/blackboard-ultra/
- LiDA eModule: High Leverage Teaching Practices
- Generative AI for Educators

PD programs for K-12:

- +Teaching w/ Technology GST Smart Start (Fall Institute)

Credit-bearing courses:

- EDE484A: Digitally-Rich Teaching & Learning in K-12 Schools (Zenon Borys)
- EDE486: Designing Online Courses (Eric Fredericksen)
- ?Introduction to AR/VR

Graduate programs:

- (NEW) +Adv.Cert. in Teaching Computer Science
- Adv.Cert. in Online Teaching (*see* LiDA programs at Warner*)*
- Adv.Cert. in K-12 Digitally-Rich Teaching (*see* LiDA programs at Warner*)*
- +NSF-funded AR/VR training program (UR doc.students only)
- Adv.Cert. in Data Science
- (NEW) +Adv.Certificate in Elementary Mathematics Specialist (Fully online program)

List of conversation starters by theme (+ link to more information)

- **A. Leveraging online learning** *(Facilitator & recorder: Eric Fredericksen)*

  Showcased projects:

  (1) To be briefly presented at the event (2-4 minute max) + written update:

  - **CHLOE reports** *(Eric Fredericksen)*
  - **UR Educational IT Innovation grant program** *(Eric Fredericksen)*
  - **Making the most of hy-flex in higher education courses** *(Keirah Comstock)*
  - **Leveraging online learning for refugees learning English** (Hairong Shang-Butler & Yadi Zhang)
  - **ROC Reading Partners** (Alyse Cunzio)

  (2) *Written update only:*

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❖ **B1. Leveraging AR/VR for digitally-rich teaching and learning** *(Facilitator & recorder: Md. Mamunur Rashid)*

Showcased projects:

(1) To be briefly presented at the event (2-4 minute max) + written updates posted here:

- **AR/VR-powered system for learning** (Shutong Wu, Zhen Bai)
- **AR to learn anatomy** (Paul Herbert)
- **Studio X initiatives** (Meaghan Moody)
- **Human-Centric Augmented and Virtual Reality Institute Planning Grant** (Meaghan Moody)
- **NSF AR/VR training program and related projects** (Md. Mamunur Rashid, Yamin Zheng & Adma Gama)

(2) *Only written updates posted here:*

- **Education Potential of Immersive Virtual Reality in Empathy Training for Medical Students** *(Riham Alieldin)*

❖ **B2. Leveraging technologies (other than AR/VR) for digitally-rich teaching & learning** *(Facilitator & Recorder: Yu Jung Han)*

Showcased projects:

(1) To be briefly presented at the event (2-4 minute max) + written updates posted here:

- **GenAI applications to second language learning** (Yu Jung Han)
- **Empowering ELL families' communications w/ GenAI** (Yu Jung Han)
- **Using AI in high school writing instruction** (Liz Conroy - East High School)
- **AI-mediated assistive technology for communication** (Yifan Li, Zhen Bai)
- **Personality-aware LLM for Communication Training** (Masum Hasan)
- **AI-Child Collaborative Reasoning in Story Reading** (Hecong Wang, Zhen Bai)
- **RCL OER grants program**

(2) *Only written updates posted here:*

- **OER Pressbok for Entrepreneurship course** *(Dave Miller; Raffaella Borasi; Yu Jung Han)*
- **Bullying Education through Literacy** *(Carol St.George;Laura Griffone; Raffaella Borasi; Yu Jung Han; Anlun Wang)*
- **Reading2Babies** *(Carol St.George;Laura Griffone; Raffaella Borasi; Yu Jung Han; Anlun Wang)*

❖ **B3.Systemic Reform Efforts towards Digitally-rich Teaching & Learning** *(Facilitator & Recorder: Cynthia Carson)*

Showcased projects:

(1) To be briefly presented at the event (2-4 minute max) + written updates posted here:

- **Noyce MTF preparing digitally-rich master teachers** (Cyndi Carson)
- **T3 Smart start project** (Cyndi Carson)

- **Online coaching dissertation study** (Cyndi Carson)
- **Noyce MTF Be-A-JEDI program** (Cindy Callard)
- **K-12 leaders' decision-making about AI** (Pat Vaughan-Brogan)
- **K-12 policies about using AI** (Jialin Yan)

(2) *Only written updates posted here:*

❖ **C. Promoting Computer Science Literacy** *(Facilitator & Recorder: Zenon Borys)*

Showcased projects:

(1) To be briefly presented at the event (2-4 minute max) + written updates posted here:

- **K-12 AI Literacy projects (Erfan** ; Zhen Bai)
- **Sharon's grant project** (Sharon Mason)
- **New Warner computer science teacher preparation programs** (Zenon Borys)
- **New Noyce scholarship grant** (Zenon Borys + Sharon Mason)
- **CS Smart start grant** (Angela Messinger + Zenon Borys)
- **Little Kids Can (and Should) Code** *(*Marie Rice **-** *will need to go last)*

(2) *Only written updates posted here:*

- BOCES initiatives to support the implementation of the CS standards (Gordon Baxter)
- Learning through a VR Robotics Simulator Game (Qinqin Xiao)

❖ **D. Implications of "Future of work at the Human-Technology Frontier" for Education** *(Facilitator & Recorder: Dave Miller)*

Showcased projects:

(1) To be briefly presented at the event (2-4 minute max) + written updates posted here:

- **TEAMuP: Musicians' "Future of Work" project** (Dave Miller)
- **Preparing cybersecurity collaborative teams** (Jay Yang)
- **K-12 leaders' perceptions about educators' uses of AI** (Karen DeAngelis)
- **Initiatives to empower K-12 educators to use AI** (Mike Newman)
- **Exploring the Implications of AI for Higher Education Student Affairs & Admissions** (Andrea Barrett + Meghan Plate)
- **Leveraging LLMs for HE Admissions** (Haozheng Du)

Reporting template:

TEMPLATE to be copied and filled for each projects: ***TITLE:*** ***Brief description:*** ***Key updates:***	***Opportunities for collaboration offered:*** ***If you are interested in connecting/ learning more about this project, write down***

Key activities planned for 2023-24**:* ***Team: ***Contacts**:* ***Links to more information:***	***your name and email address here:***