AGENDA

MCKENNA HALL, 215-216

8:00-9:00AM
Breakfast & Registration

9:00-9:15AM
Welcome & Introduction

Dr. Ed Maginn, Associate VP for Research, University of Notre Dame

Dr. Nitesh Chawla, Founding Director, Lucy Family Institute for Data & Society, and Frank M. Freimann Professor of Computer Science and Engineering
9:15-10:30AM

Panel

AI in the Future of Education I: Industry Perspectives

Featured Panelists:
Dr. Alina von Davier (virtual), Dr. Kristen DiCerbo, Dr. Michelle D. Barrett

10:30-10:45AM

Break

10:45-12:00PM

Panel

AI in the Future of Education II: Academic Perspectives

Featured Panelists:
Dr. Ryan Baker (virtual), Dr. Hua-Hua Chang, Dr. Josep Domingo-Ferrer
Lunch & Poster Session

SMITH BALLROOM A/B: MORRIS INN

12:00-1:30PM

MCKENNA HALL

Parallel Research Presentations

1:30-2:30PM

**AI-Driven Educational Innovations**

Chair: Nancy Le

- Balancing Act: Early Predictions for High School AP Statistics Performance  
  Bo Pei
- Advanced Knowledge Tracing for Intelligent Tutoring Systems  
  Yikai Lu
- How AI assisted K-12 Computer Science Education? A System Review  
  Zifeng Liu

* Automatic Screening & Diagnosis of Students’ Use of Number Lines  
  Dake Zhang
* C.A.R.E. @ Purdue  
  Wonjin Yu

**AI in Educational Assessment & Analysis**

Chair: Toby Li

- Harnessing Hierarchical Zero-Shot Classifier for Efficient Item Categorization  
  Ting Wang
- Developing an Automated System for Answering Questions w/ Multiple Options  
  Chandramani
- Uncovering Key Drivers to Boost Students’ Math Performance Globally Using Machine Learning: A PISA 2018 Study  
  Liu Liu

* How Well Do AI-Generated Recommendations Predict Learners’ Ratings of Educational Content?  
  Teresa Ober

**Ethical & Trustworthy AI in Education**

Chair: Sonia Howell

- Towards Transparent & Trustworthy Prediction of Student Learning Achievement  
  Xiaojing Duan
- Privacy-Enhancing Technologies for Educationally Focused AI  
  Jonathan Takeshita
- Distributed Ledgers For Trustworthy and Accountable AI  
  Aditya Joshi

* Analyzing Bias & Privacy Impact in Multimodal Generative AI  
  Hai Li
* A Machine Learning Approach to Assess Differential Item Functioning in Educational Testing  
  Qizhou Duan

*: 5-min lightning talk
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2:30-2:45PM
Break

2:45-3:35PM
Panel

Challenges and Concerns of AI in Education

Featured Panelists:
Dr. Yiran Chen, Dr. Wayne Holmes

3:35-3:50PM
Break
## Parallel Research Presentations

### MH 202

**Large Language Models in Education**  
Chair: Cheng Liu  

1. Successes and limitations in teaching mathematical vocabulary using large language models  
   - Katherine Ziska  

2. Recent research on using ChatGPT for professional licensure item development  
   - Kirk Becker  

3. Exploring the use of ChatGPT in academia through Twitter discourse  
   - Yingying Jiang  

* AI4Sci-Tutor: A Personalized Learning Platform for Scientists  
  - Zhenwen Liang  

* Integrating Generative AI in Augmented Reality: A New Paradigm for Educational Resource Creation  
  - Zifeng Liu  

*: 5-min lightning talk

### MH 205

**Conversational AI & Interactive Systems**  
Chair: Xiangliang Zhang  

1. Leveraging AI to Support Participation & Sense-making in Synchronous Group Discussion  
   - Xinyue Chen  

2. VISAR: A Human-AI Argumentative Writing Assistant w/ Visual Programming and Rapid Draft Prototyping  
   - Zheng Zhang  

3. ReadingQuizMaker: A Human-NLP Collaborative System that Supports Instructors  
   - Xinyi Lu  

* RICE AlgebraBot: Lessons Learned from Designing and Developing Responsible Conversational AI  
  - Chenglu Li  

* EviRateGPT: A Dynamic Framework for Evaluating Student Evidence-based Reasoning Ability  
  - Bo Pei  

### MH 206/207

**Perspectives & Futures of AI in Education**  
Chair: Teresa Ober  

1. Artificial Intelligence (AI) & Education - Voices from K-12 Educators in South Korea and the United States  
   - Wanju Huang  

2. Charting AI's Future in Education: A Framework for the University Notre Dame  
   - Ellen Joyce  

   - John Lalor  

* Exploring and addressing perceptions of AI through public library partnerships  
  - Anne Holland  

* Student Creativity in the Age of AI Co-Authorship: A Cognitive Process of Writing  
  - Ruyuan Wan  

*: 5-min lightning talk
Awards

Closing Remarks

Dr. Sarah Mustillo, Dean of the College of Arts and Letters at the University of Notre Dame

Reception
Key locations on campus:
- McKenna Hall (event venue)
- Morris Inn (lunch & poster session)
- Visitor parking

*Interactive and downloadable versions of the University of Notre Dame campus are available online at: maps.nd.edu