



AI-ALOE SHOWCASE

04.03.2024 | 11AM - 2PM

EXHIBITION HALL, RM 226 & 276
GEORGIA TECH

11:00 am - 11:05 am

Welcome Remarks by President Cabrera

11:05 am - 12:00 pm

3-Minute Madness

Lightning talks highlighting innovative AI-ALOE projects

12:00 pm - 1:00 am

Posters and Demos

Light lunch available

1:00 pm - 2:00 pm

Panel Discussion

The AI in Education Convergence: Opportunities, Challenges, and Collaborations

3-Minute Madness

PRESENTATIONS & SPEAKERS



AI-ALOE Overview

AI-ALOE Vision - Ashok Goel

AI-ALOE Organization - Chaohua Ou

AI Technologies for Transforming Teaching and Learning

Harnessing AI for Adult Learning: Critical Challenges - Sibley Lyndgaard

Mastering Skills with AI: Intelligent Tutors for Skill Learning - Jennifer Reddig

Beyond Watching: Interactive and Intelligent Videos for Skill Acquisition - Rochan Madhusudhana

From Question to Discovery: AI's Impact on Inquiry-Based Learning - Stephen Buckley

Empowering Learners and Teachers with Virtual Teaching Assistant - Pratyusha Maiti

Building Online Learning Communities with Virtual Social Assistant - Sandeep Kakar

Co-Creating AI Technologies with User-Engaged Design - Sanaz Ahmadzadeh Siyahrood

AI-Augmented Data Architecture for Learning

AI-Augmented Architecture for Adult Learning (A4L) - Ploy Thajchayapong

Decoding for success: AI and Learning Analytics - John Kos

Visualizing Learning: How AI Transforms Data into Insight - Grace Guo

Human-AI Collaboration

Crafting Personalized Learning Technology with Teachable Agents - Glen Smith

Educating the Machines: The Art of Machine Teaching - Karan Taneja

AI and the Power of Visual Explanations - Adam Coscia

Enhancing Understanding Through AI-Powered Self-Explanation - Shalini Sushri

The Mutual Theory of Mind - Qiaosi (Chelsea) Wang

PANEL DISCUSSION



The AI in Education Convergence: Opportunities, Challenges, and Collaborations

Moderator

Ashok Goel

Professor, School of interactive Computing

Executive Director, AI-ALOE

Panelists

- **Didier Contis**

Executive Director, Academic Technology, Innovation, Research Computing

Office of Information Technology

- **Larry Heck**

Professor, ECE and Interactive Computing

Rhesa S. Farmer, Jr, Advanced Computing Concepts Chair

Georgia Research Alliance Eminent Scholar

Co-Executive Director, AI Hub and ML Center

- **Larry Jacobs**

Professor, Civil and Environmental Engineering and Mechanical Engineering

Senior Vice Provost for Education and Learning

Thank You for Participating



AI-ALOE Faculty Hosts of the Showcase

Alex Endert - Associate Professor, School of Interactive Computing

Ashok Goel – Professor, School of interactive Computing, & Executive Director, AI-ALOE

Steve Harmon - Executive Director, C21U & Associate Dean of Research, GTPE

Michael Hoffmann- Professor, School of Public Policy

David Joyner - Executive Director of Online Education & OMSCS, College of Computing

Ruth Kanfer - Professor, School of Psychology

Chris MacLellan - Assistant Professor, School of Interactive Computing

Keith McGreggor - Professor of the Practice, School of Interactive Computing, and Director of VentureLab

Chaohua Ou - Managing Director, AI-ALOE; Assistant Director, Special Projects and Educational Initiatives, Center for Teaching and Learning

Spencer Rugaber - Senior Research Scientist, School of Interactive Computing

Ploy Thajchayapong - Research Scientist, AI-ALOE

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