October 16, 2023

Time	Location	Speaker/Organization	Title of Talk/Activity
8:00-9:00am	Harris Ballroom (350)		Registration & Continental Breakfast
9:00-10:00am	Senate Chamber (268)	**Cisco** – Joshua King	Friend or Foe - The Philosophy and Utilization of AI
9:00-10:00am	GSC 330AB	**HPE** – Steve Heibein	Practical tips for deploying GenAI and LLMs
9:00-10:00am	Executive Boardroom (375)	**Lenovo** – Doug Beary	Building a GPU node for AI or HPC
10:00-11:00am	Senate Chamber (268)	**Google** – Chris Daugherty **CANCELLED**	The future of education is now
10:00-11:00am	GSC 330AB	**Presidio** – Mladen Milanovic	AI and automation for higher education
10:00-11:00am	Executive Boardroom (375)	**Omnibond** – Amy Cannon	Enabling project-based workflow with project Eureka
11:00-Noon	Senate Chamber (268)	**Trace3** – Asher Lohman	Unleashing creativity: Exploring the world of generative AI for innovation
11:00-Noon	GSC 330AB	**NERSC/LBL** – Rebecca Hartman-Baker	Using NERSC resources for college courses in AI & more
11:00-Noon	Executive Boardroom (375)	**Spectra** – Dave Fitch	How will I store all that AI generated data
Noon-1:00pm	Harris Ballroom (350)		GOOGLE Luncheon
1:00-2:00pm	Senate Chamber (268)	**Dell** – Chris Botka	Benchside meets the bedside: Improving healthcare outcomes with machine learning
1:00-4:30pm	Ballroom A (212A)	Trey Conatser, UK CELT Director, Moderator	AI in Education Session (See detailed Agenda below)
4:30-5:30pm	Harris Ballroom (350)		DELL RECEPTION

AI in Education Session Agenda 10/16 (1:00-4:30pm) – Ballroom A

1:00-1:45pm   Trey Conatser, UK Moderator. Roundtable on AI & the Futures of Teaching & Learning

1:45-2:00pm   BREAK

2:00-3:15pm   Presentations: Research & Scholarship on AI in Education

C. Sean Burns, UK, Charting the Digital Discourse: Understanding the Research and Instructional Values of Discursive Exchanges with AI

Yongsheng Lian, UofL, Empowering Education with AI: Unveiling Mark, Your Virtual Teaching Assistant

Campbell Bego, UofL, The Ethics of AI Chatbots from a First-Year Engineering Student Perspective: Surveys and Course Developments

Kimberlee Everson, WKU, Student Use of AI in Creating Research Papers

Kristi Bartlett, UK, Generative AI for Medical Device Design

3:15-3:30pm   BREAK

3:30-4:30pm   Lightning Talks

Jaclyn Johnson, UK, Correcting Chat: A Model for Take-Home Essays

Katie Mullen, UK, ChatGPT: An Accelerator of Creative Ideas

Iva Katzarska-Miller, Transylvania, ChatGPT and Research Methods in the Psychology Classroom

Winter Phong, UK, AI in Practice Reflection: Using Classroom Applications to Combat Industry Challenges

Judy Goldsmith, UK, Announcing the Planned UK AI Certificate

4:30-5:30pm   DELL RECEPTION – Networking and Discussions

October 17, 2023

Time	Location	Speaker/Organization	Title of Talk/Activity
8:00-9:00am	Coat Room Harris Ballroom (350)		Registration Continental Breakfast
9:00-9:15am	Ballroom A/B	Robert DiPaola, UK Provost	Welcome to UK & AI Summit
9:15-10:00am	Ballroom A/B (212A/B)	William Hart-Davidson, Michigan State University	When robots learn to write, what happens to learning?
10:00-10:30am	Ballroom A/B (212A/B)	Lynne. E. Parker, University of Tennessee	U.S. Government's approach to AI: Understanding the complexity
10:30-10:45am			BREAK
10:45-11:15am	Ballroom A/B (212 A/B)	Dan Stanzione, University of Texas-Austin/TACC	Academic HPC in the age of AI
11:15-Noon	Ballroom A/B (212 A/B)	Rachel Foresta, Dell	Edge Computing in the age of AI
Noon-1:00pm	Harris Ballroom (350)		Trace3 LUNCHEON
1:00-4:30pm	Ballroom A (212A)	Mark Richard Lauersdorf, UK Linguistics, Moderator	AI in Research Session (See detailed Agenda below)
1:00-4:30pm	Ballroom B (212B)	Hunter Moseley, UK Biochemistry, Moderator	AI in Medicine Session (See detailed Agenda below)
4:30-6:00pm	Harris Ballroom (350)		Cisco RECEPTION & Student Poster Competition

AI in Research Session Agenda 10/17 (1:00-4:30pm) – Ballroom A

1:00-1:30pm   Lynne. E. Parker, U. Tenn., Accelerating AI's positive impact through transdisciplinary and regional research collaboration

1:30-2:15pm   Kyle Miller (Denton Law), Danielle Lewis (NKU Law), AI and the Law, concerns, challenges, regulations and IP

2:15-2:45pm   Chad Risko, UK, Developments towards machine-driven design & discovery of organic semiconductors

2:45-3:00pm   Break

3:00-3:30pm   Zahra Ronaghi, NVIDIA, Unlocking the power of LLMs with NVIDIA NeMo

3:30-4:00pm   Massimiliano Lupo Pasini, ORNL, AI for Prediction of Multi-Scale Material Properties

4:00-4:15pm   Lightning Talk: Chris Crawford, UK, Real-time least-squares pulse fitting for digital spectroscopy and machine learning

4:15-4:30pm   Lightning Talk: Tianyu Jiang, U. Cinn., Common sense knowledge for visual activity recognition

AI in Medicine Session Agenda 10/17 (1:00-4:30pm) – Ballroom B

1:00-1:30pm   Mahdi Yazdanpour, NKU, Mind-Over-Matter: Brain-Controlled Prosthetic Arms

1:30-2:00pm   Qing Shao, UK, S-PLM: Structure-aware Protein Language Model via Contrastive Learning between Sequence and Structure

2:00-2:40pm   Shawn Murphy, Harvard, Instrumenting the Health Care Enterprise for Discovery in the Course of Clinical Care

2:40-2:50pm   BREAK

2:50-3:20pm   Jeffrey Talbert & Cody Bumgardner, IBI, Rapid Actionable Data for Opioid Response in Kentucky (RADOR-KY)

3:20-3:50pm   Jihye Bae, UK, Neural Decoders in Reinforcement Learning Brain Machine Interfaces

3:50-4:10pm   Kristi Bartlett, UK, Generative AI for Medical Device Design

4:10-4:30pm   Hunter Moseley, UK, A Cautionary Tale About Properly Vetting Datasets for Supervised Machine Learning Predicting Metabolic Pathway Involvement