## ARTIFICIAL INTELLIGENCE WORKSHOP OCTOBER 14, 2021

8:30 - 9:00AM	Welcome and intro
Lightning Talks	Ludas Observana
9:00 - 9:10	Luke Sheneman Al In Your Pocket? Examples of Current Machine Learning Projects Supported by Ul Research Computing
9:12 - 9:22	Frank Gao A double autoencoder for recommender systems without using side information
9:24 - 9:34	Lili Cai Biomaterial deterioration and protection
9:36 - 9:46	Bert Baumgaertner On the Method of Reflective Equilibrium
9:48 - 9:58	Min Xian (Zoom) Computer-aided diagnosis (CAD) of breast cancer in the era of AI
10:00 - 10:15AM	Morning break
10:15 - 11:00AM	Activity: Using RCDS HPC GPU Resources for AI (Death by 1000 Acronyms)
10:15 - 11:00AM	
	(Death by 1000 Acronyms)  Participants will learn how to use common frameworks such as Tensorflow and PyTorch on GPU accelerated
10:15 - 11:00AM  Lightning Talks 11:00 - 11:10	(Death by 1000 Acronyms)  Participants will learn how to use common frameworks such as Tensorflow and PyTorch on GPU accelerated RCDS systems by running example jobs.  Tao Xing An interdisciplinary multiscale approach for
Lightning Talks	(Death by 1000 Acronyms)  Participants will learn how to use common frameworks such as Tensorflow and PyTorch on GPU accelerated RCDS systems by running example jobs.  Tao Xing
Lightning Talks 11:00 - 11:10	(Death by 1000 Acronyms)  Participants will learn how to use common frameworks such as Tensorflow and PyTorch on GPU accelerated RCDS systems by running example jobs.  Tao Xing  An interdisciplinary multiscale approach for understanding the mechanisms of lung respiration  Liang Lu  Applications of textual analysis and computer vision

Lightning Talks (cont.)	
11:48 - 11:58	Andy Kliskey Al applications in NSF and Idaho EPSCoR programs
12:00 - 12:10	Terry Soule Evolutionary computation
12:12 - 12:22	Audrey Fu
	Autoencoders and high-dimensional biological data
12:30 - 1:00PM	Catered lunch
1:00 - 2:00PM	Keynote Speaker: Michael Radwin Practical AI for Fintech: expert systems, machine learning and design thinking
2:00 - 2:10PM	Afternoon break
Lightning Talks	
2:10 - 2:20	Michael Overton Data science literacy, AI, and the future of local governments
2:22 - 2:32	Marek Borowiec Understanding population histories with deep learning
2:34 - 2:44	Jean-Marc Gauthier and Jason Starace Framework for using computer vision and machine learning in virtual reality
2:46 - 2:56	Shelley McGuire Exploration of human milk as a biological system within an ecological context
2:58 - 3:08	Hasan Jamil Reasoning and knowledge representation
3:10 - 4:10PM	Activity: COLLABOPOCALYPSE
	Work with your group to brainstorm a problem that could be addressed using an AI approach; ideally, a problem driven by the research domains represented in your group. Consider why this problem is significant, what approaches you would take to solve it, and how you would go about it (in terms of needed infrastructure and collaborators). Groups will then give 60-second pitches on their ideas.
/u.10 // 00D14	NA/ constant

4:10 - 4:30PM Wrap up



