8:30 am	Welcome	Main International Ballroom
	Chris Nomura Vice President for Research and Economic Development University of Idaho	
	Barrie Robis Professor ar Institute for	

	Re	esearch Talks	Main International Ballroom
8:45 am —	•	from moral reasoning?" Ran Hinrichs - PhD Studer	rsecurity education benefit nt - Dept of Movement Sciences alth & Human Sciences at U of I
9:00 am	•	"Generative AI for Healthd Min Xian - Associate Profe Dept of Computer Scienc College of Engineering at	essor e
9:15 am —			nental Engineering
9:30 am	•	"Opportunities in AI for Ca Casey Brown - Wildlife Bio Oregon Department of Fis	
9:45 am			
10:00 am	•	your Research with Al" Luke Sheneman Director of Research Com	the Core: Resources to Accelerate  nputing and Data Services nary Data Sciences at U of I
10:45 am			d and Fire Sciences aho Experimental Forest

# 11:30 am Keynote Address

Main International Ballroom



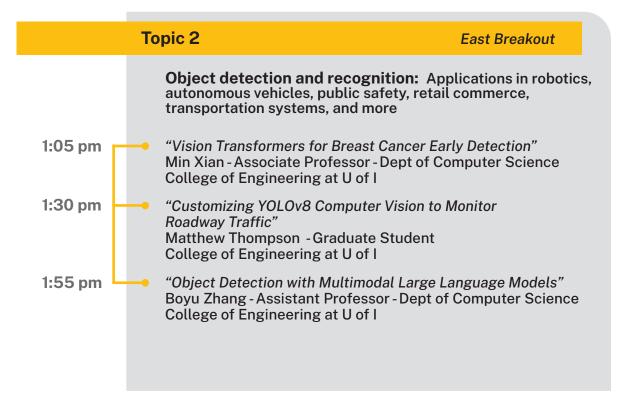
"Open Challenges in Generalizable
Computer Vision for Ecology"
Sara Beery
Assistant Professor
Artificial Intelligence and Decision-Making at MIT

12:30 pm ———— BREAK

1:00 - 2:30 pm Breakout Session 1

Various Locations

## Topic 1 Main International Ballroom Remote Sensing for Agriculture and Earth Sciences 1:05 pm "Applying a Computer Vision Paradigm to Classification of Drone Aerial Imagery" Jason Karl - Associate Professor and **Endowed Chair of Rangeland Ecology** College of Natural Resources at U of I 1:20 pm "Exploring computer vision and AI for orthorectifying historical aerial imagery" Bruce Godfrey - GIS Librarian Research and Experiential Learning at U of I 1:40 pm "Advance multimodal imaging and AI for smart agriculture" Johnny Li - Assistant Professor Precision Agriculture and Intelligent Robotics College of Agricultural and Life Sciences at U of I 2:00 pm "Interactive segmentation in aerial images: a new benchmark and a web-based tool" Zhe Wang - Postdoctoral Fellow **Dept of Computer Science** College of Engineering at U of I



Topic 3 West Breakout Primer for Computer Vision Beginners Barrie Robison - Professor and Director Institute for Interdisciplinary Data Sciences at U of I Terence Soule - Professor and Dept Chair Dept of Computer Science, College of Engineering at U of I Introduction 1:05 pm **Basics of Computer Vision** Dive into AI: Neural Networks and Deep Learning **Current Capabilities of Computer Vision** Challenges and Ethical Considerations The Future and Horizon **Q&A** and Discussion Find the Computer Vision Primer Website Here

# Topic 1

### Main International Ballroom

2:50 pm

Facilitated Discussion by Keynote Speaker: Al and Computer Vision for conservation, ecology, and natural resources

#### **Panel Members**

Sara Beery - Assistant Professor Artificial Intelligence and Decision-Making at MIT Casey Brown - Wildlife Biologist Oregon Department of Fish & Wildlife Sarah Thompson - Biometrician Idaho Fish & Game Lisette Waits - Distinguished Professor of Wildlife Sciences College of Natural Resources at U of I

# Topic 2 East Breakout Microscopy and Biomedical Imaging 2:50 pm "Intelligent Cell Imaging" Andreas Vasdekis - Associate Professor - Dept of Physics College of Science at U of I "Quantification of Intrathecal Contrast Agent Pharmacokinetics 3:10 pm in Non-Human Primates using Dynamic Contrast Enhanced (DCE) MRI" Stuart Sater - Research and Development Engineer Alcyone Therapeutics, Inc. 3:30 pm "Unraveling Lung Cancer Survival Via Attention-Based Deep Learning with Histopathology Images" Isis Diaz - Graduate Student University of Oregon 3:50 pm "Label-free Imaging in Tissue" Jinming Zhang - Graduate Student - Dept of Physics College of Science at U of I