

(Tentative)

## **AIRC 2025 Workshop Debate Topics**

### **1. Agentic AI**

- Should fully autonomous AI systems be allowed to make real-world decisions without direct human intervention? For instance, should a self-driving car be allowed to make the decision to execute an emergency maneuver without a human?
- Who should be held responsible when self-evolving AI systems cause harm: the developer, the deployer, or the user?
- Should open-source frameworks that enable autonomous, goal-directed AI face additional governance or licensing restrictions?

### **2. Robotics**

- Does the reliance on Virtual Reality (VR) for Human-Robot Collaboration (HRC) prioritize efficient interaction over essential worker safety and physical context awareness?
- Are emotionally persuasive robots, such as social or companion robots, ethically acceptable given the risk of fostering false trust or manipulation?
- Should policy tools like a “robot tax” be used to offset predicted job displacement from robotics automation?

### **3. Physical AI & Spatiotemporal AI**

- Do we need new safety methods for proactive physical AI systems that predict and act on future world states, and if so, what standards should govern prediction accuracy?
- Should international standards define “physical AI safety envelopes” that limit how embodied AI may move and interact in shared human spaces?

### **4. Communication & Human-AI Interaction**

- Should all AI-generated speech, images, or identity mimicry always be labeled as artificial (the "Synthetic Content Disclosure" mandate)?
- Should the governance of smart city systems prioritize centralized control or decentralized, multi-agent collective intelligence for public services (like complaint analysis)?

## 5. Concluding Question

- Does the emergence and prevalence of artificial intelligence make people dependent on and more inclined to use AI instead of rejecting it entirely?