



AICE Center

Amazon-Illinois Center on AI for Interactive Conversational Experiences

AICE Spring Symposium 2025

Date: April 14, 2025

Venue: NCSA, 1205 W. Clark St., Urbana, Illinois.

8:00 AM – 9:00 AM: Registration & Breakfast

9:00 AM – 9:30 AM: Welcome and Opening Remarks



Heng Ji, AICE Faculty Director
University of Illinois Urbana Champaign



Ruhi Sarikaya, VP, Alexa,
Amazon Liason

9:30 AM – 10:00 AM: Keynote – Speaker from UIUC and Amazon

- Speaker and topic - TBD

10:00 AM – 11:00 PM: Project Progress Presentations

- **Speaker: Prof. Hao Peng**
 - Project: Advancing Long Context Reasoning in Open LLMs.
- **Speaker: Prof. Vikram Adve**
 - **Co-pi: Gokhan Tur, Dilek Hakkani Tur**
 - Project: Multi-Agent LLM-Based Reasoning, Computation and Data Discovery for Decision Services.
- **Speaker: Prof. Bin Hu**
 - Project: Building AI Engineers via Integrating LLMs and Domain Knowledge

- **Speaker: Prof. Liangyan Gui**
 - Project: Synergizing LLM and World Model for Zero-Shot 3D Human-Object Interaction Generation
- **Speaker: Prof. Jiaxuan You**
 - Project: GRAG: Enhance RAG Applications with Graph-structured Knowledge

11:00 AM – 11:15 AM: Coffee Break

11:15 AM – 12:15 PM: Project Progress Presentations

- **Speaker: Volodymyr Kindratenko**
 - Project: From Personalized Education to Scientific Discovery with AI: Rapid Deployment of AI Domain Experts.
- **Speaker: Prof. Yuxiong Wang**
 - Project: Mastering Extensive Environmental Interactions: Building Agentic Foundation Models with Reinforcement Learning
 - Project: Long-form Video Understanding via Active Token Compression
- **Speaker: Prof..Gagandeep Singh**
 - Project: Efficient Fairness Certification of Large Language Models
- **Speaker: Prof..Shenlong Wang**
 - Project: Integrating Spatial Perception into Conversational AI for Real-World Task Assistance

12:15 PM – 1:00 PM: Lunch & Networking - Box Lunch

1:00 PM - 1:30 PM Keynote Speaker



Speaker: Pradeep Natarajan,



Sr. Principal Scientist, Artificial General Intelligence, Amazon
Topic: Artificial General Intelligence

1:30 AM – 2:00 PM: Fellows Project Progress Presentations

- Kung-Hsiang (Steeve) Huang, Advisor: Heng Ji
- Chi Han, Advisor: Heng Ji
- Chunqiu Xia, Advisor: Lingming Zhang
- Ming Zhong, Advisor: Jianwei Han
- Rajagopalan, Rajalaxmi, Advisor: Roy Choudhury, Romit
- Iliakopoulou, Nikoleta, Advisor: Torrellas, Josep

2:00 PM – 2:45 PM: Joint Panel – AI for Scientific Discovery (with MMLI)

- Panel discussion on the role of AI in transforming scientific discovery.

2:45 PM – 3:00 PM: Break

3:15 PM – 4:15 PM: Panel – LLM Reasoning / LLM Agents

- Panel discussion focusing on Large Language Models (LLMs) and their reasoning capabilities or use as agents.

4:15 PM – 4:45 PM: Poster Session (Student/Postdoc Presentations)

4:45 PM – 6:00 PM: Amazonian Lab Visits Information