JOHNS HOPKINS + amazon
WHITING SCHOOL
of ENGINEERING

AI2AI \ **JHU + Amazon** Initiative for Interactive AI

AI2AI Research Festival

Glass Pavilion / Johns Hopkins Homewood Campus / October 9, 2025

8:30 to 9 a.m. ET — **Breakfast + Coffee**

9 to 9:10 a.m. — **Welcome Remarks**
- Sanjeev Khudanpur, Initiative Director, AI2AI
- Anne Szeto, Head of Academic Research Initiatives, Amazon

9:10 to 9:45 a.m. — **Amazon Science Perspectives**
- Grant Strimel, Principal Applied Scientist, AGI
- Fei Xiong, Senior Applied Scientist, AWS Security
- Dongwei Jiang, Applied Scientist, AWS AI, Fundamental Research
- Kapil Katyal, Sr. Manager, Applied Science, Amazon Robotics

9:45 to 11:15 a.m. — **AI2AI Research Award Presentations + Spotlight**
- Research Awardee Lightning Talks (5-6-mins each)
  - Daniel Khashabi | Multi-Modal Inference-Scaling (virtual)
  - Berrak Sisman | Multimodal Speech Synthesis: Leveraging Computer Vision and LLMs for Expressive Voice Generation
  - Philipp Koehn | Reasoning over Information in Tabular Data
  - Tianmin Shu | Long-horizon AI Assistance via Continuous Mental Reasoning from Streaming Multimodal Inputs
  - Carey Priebe | Representing a Collection of Large Language Models as a Gaussian Mixture in Data Kernel Perspective Space
  - Mahsa Yarmohammadi | Enhancing Retrieval-Augmented Generation with Multi-Vector Representations
  - Yanxun Xu | Precision AI: Enhancing Deep Search for Expert Knowledge Domains with Multi-agent GUI System
  - Alan Yuille | Next-Generation 3D Vision-Language Models with Physics, Counterfactual Reasoning & Planning
- Spotlight from prior Award Cohort (15 mins):
- Tianmin Shu '24/'25 and '25/'26 Award Recipient
- Hyokun Yun, Principal Applied Scientist, Store Front AI (virtual)

Agenda continued on next page

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11:15 to Noon	**Panel: "Interactive and Embodied AI"** • <u>Kapil Katyal</u>, Sr. Manager, Applied Science, Amazon Robotics • <u>Tinoosh Mohsenin</u>, Associate Professor, JHU ECE • <u>Mathias Unberath</u>, John C. Malone Associate Professor, JHU Computer Science • <u>Rene Vidal</u>, Rachleff University Professor, University of Pennsylvania • *Moderator*: Sanjeev Khudanpur, Initiative Director
Noon to 12:10 p.m.	**Reflections** • Ed Schlesinger, Benjamin T. Rome Dean
12:10 to 1:10 p.m.	**Lunch + Poster Session**
1:10 to 1:30 p.m.	**Amazon Science Perspectives** • <u>Dawn Heisey-Grove</u>, Health Lead, AWS Social Responsibility & Impact • <u>Tancrede Lepoint</u>, Principal Applied Scientist, AWS Provable Security • <u>Ferhat Erata</u>, Applied Scientist, Automated Reasoning Group

1:30 to 2 p.m.	**Amazon Fellow Presentations + Spotlight**
	• **Spotlight from '25 cohort (10 mins)**
	  • <u>Yiqing Shen</u>, Amazon Fellow '24/'25 and '25/'26
	  • <u>Fei Xiong</u>, Senior Applied Scientist, AWS Security
	• **Amazon Fellows (Introduced by Sanjeev)**
	  • <u>Siyuan "Cyan" Huang</u> | Electrical and Computer Engineering
	  • <u>Chuanyang Jin</u> | Computer Science
	  • <u>Amandeep Kumar</u> | Electrical and Computer Engineering
	  • <u>Tianhao Li</u> | Materials Science and Engineering
	  • <u>Yen-Ju Lu</u> | Electrical and Computer Engineering
	  • <u>Yuxin Ma</u> | Applied Mathematics and Statistics
	  • <u>Caio Netto</u> | Applied Mathematics and Statistics
	  • <u>Yiqing Shen</u> | Computer Science
	  • <u>Jingyu (Jack) Zhang</u> | Computer Science
	  • <u>Yang Zhao</u> | Civil and Systems Engineering

2 to 3 p.m.	**JHU + Amazon networking meetings** Amazon visitors are encouraged to meet with past, present, or future JHU researchers. If interested in scheduling, contact Seth Zonies (<u>zonies@jhu.edu</u>).

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