

Annual Symposium USC-Amazon Center on Trustworthy AI

April 30, 2024

Michelson Center, MCB 101

- 9:00 a.m. **Opening Remarks:** Salman Avestimehr, Center Director
- 9:15 a.m. **Amazon Opening Remarks:** Vincent Ponzo, Amazon
- 9:30 a.m. **Keynote Speaker:** Toward Robust and Personalizable Language Models.
Aram Galstyan, Research Professor of Computer Science and Principal Scientist at ISI
- 10:00 a.m. **Research Project 1:** ConTrust: Conformal Prediction for Trustworthy AI Code Generation. Souti Chattopadhyay, Assistant Professor of Computer Science, and Lars Lindemann, Assistant Professor of Computer Science
- 10:20 a.m. **Research Project 2:** Customized Synthetic Data Generation for Private Training of specialized ML Models, Konstantinos Psounis, Professor of Electrical Engineering and Computer Science
- 10:40 a.m. **Research Project 3:** Meaning-Aware Response Scoring and Fast Inferencing for Generative LLMs, Salman Avestimehr, Professor of ECE and CS Departments, Director of USC-Amazon Center on Trusted AI
- 11:00 am **Coffee Break**
- 11:20 a.m. **Amazon ML Fellow:** Tailoring Self-Rationalizers with Multi-Reward Distillation Brihi Joshi, PhD Student
- 11:40 a.m. **Research Project 4:** Decoding-time Alignment for Large Language Models, James Yipeng Huang, PhD Student (PI Muhao Chen)
- 12:00 p.m. **Lunch/Poster Session**
- 1:30 p.m. **Keynote Speaker:** Innovation at Scale: Adapting to Continuous Web Shifts to Enable Cost-Efficient Crawling and Retrieval as LLMs Reshape Technology Landscape., Andrey Styskin, Director, Web Information Services at Amazon Artificial General Intelligence.
- 2:00 p.m. **Amazon ML Fellow:** From Instructions to Constraints: Language Model Alignment with Automatic Constraint Verification, Fei Wang, PhD Student
- 2:20 p.m. **Virtual:** Amazon Alexa Prize Info Session
- 2:50 p.m. **Panel: Working With Industry**
Panelist: Angelica Weiner (Moderator), Rajiv Dhawan, Daniel Marcu, Aram Galstyan, Salman Avestimehr
- 3:35 p.m. **Virtual:** Amazon Graduate Recruiting Info Session
- 4:00 p.m. **Closing Remarks**