

<⚡> SuperAGI

# AGI Leap Summit

29.02.24

Virtual

## Summit Schedule

[Register Now →](#)

# Spotlight Research

9:30AM - 9:45AM

HuggingGPT: Solving AI Tasks with ChatGPT and its Friends in Hugging Face



Kaitao Song

9:45AM - 10:00AM

Can LLM-generated misinformation be detected?



Canyu Chen

10:00AM - 10:15AM

LORD: Low Rank Decomposition Of Monolingual Code LLMs For One-Shot Compression



Ayush Kaushal

10:15AM - 10:30AM

FinGPT: Open-Source Financial Large Language Models



Bruce Yang

10:30 - 10:45 AM

Balancing Autonomy and Alignment: A Multi-Dimensional Taxonomy for Autonomous LLM-powered Multi-Agent Architectures



Thorsten Händler

# Spotlight Research

10:45AM- 11:00AM

The Impact of Large Language Models on Scientific Discovery: a Preliminary Study using GPT-4



Lijun Wu

11:00AM-11:15AM

Enhancing LLM Intelligence with ARM-RAG: Auxiliary Rationale Memory for Retrieval Augmented Generation



Eric Melz

11:30AM -11:45AM

LLM Harmony: Multi-Agent Communication for Problem Solving



Sumedh Rasal

11:45AM- 12:00PM

Investigating Emergent Goal-Like Behaviour in Large Language Models Using Experimental Economics



Steve Phelps

12:00PM - 12:15PM

The concept of SP-Multiple-Alignment as the 'double helix' of intelligence



Gerry Wolff

# Agent based systems

12:30PM - 12:45PM

Analyzing Intentional Behavior in Autonomous Agents under Uncertainty



Filip Cano

12:45PM - 1:00PM

Action-GPT: Leveraging Large-scale Language Models for Improved and Generalized Action Generation



Kalakonda Sai Shashank

1:00PM - 1:15PM

Autonomous GIS: the next-generation AI-powered GIS



Zhenlong Li

1:15PM - 1:30PM

E&V: Prompting Large Language Models to Perform Static Analysis by Pseudo-code Execution and Verification



Yu Hao

1:30PM - 1:45PM

RecallM: An Adaptable Memory Mechanism with Temporal Understanding for Large Language Models



Brandon Kynoch

1:45PM - 02:00PM

Unit Test Generation Using Generative AI: A Comparative Analysis of Autogeneration Tools



Shreya Bhatia

2:00PM - 2:15PM

Concepts is All You Need: A More Direct Path to AGI



Peter Voss

2:30PM - 2:45PM

Creativity Under Turing Tests Constraints: A Modified Drake Equation For Assessing Large Language Models



David Noever

# AI Applications and Survey

12:30PM - 12:45PM

A Language for Large-Scale Collaboration in Economics: A Streamlined Computational Representation of Financial Models



Jorge Faleiro

12:45PM - 1:00PM

RGB-X Object Detection via Scene-Specific Fusion Modules



Sri Aditya Deevi

1:15PM-1:30PM

Artificial Intelligence Index Report 2023



Nestor Maslej

2:45PM - 3:00PM

Revolutionizing Pharma: Unveiling the AI and LLM Trends in the Pharmaceutical Industry



Yu Han

01:00PM - 01:15PM

Revolutionizing Mental Health Care through LangChain: A Journey with a Large Language Model



Aditi Singh

1:45PM - 2:00PM

Dynamic on-demand Crowdshipping using constrained and heuristics-embedded double dueling deep Q-network



Theja Tulabandhula

2:00PM - 2:15PM

Prompting Frameworks for Large Language Models: A Survey



Xiaoxia LIU

2:00PM - 2:15PM

Advancing Legal Reasoning: Integration of AI to Navigate Complexities & Biases in Global Jurisprudence with Semi-Automated Arbitration Processes



Michael De'Shazer

# Multimodality

12:30PM - 12:45PM

HallusionBench: An Advanced Diagnostic Suite for Entangled Language Hallucination & Visual Illusion in Large Vision-Language Models



Tianrui Guan

12:45PM - 1:00PM

Concept-Guided Prompt Learning for Generalization in Vision-Language Models



Yi Zhang

1:00PM-1:15PM

Voice2Action: Language Models as Agent for Efficient Real-Time Interaction in Virtual Reality



Yang Su

1:15PM - 1:30PM

FAITHSCORE: Evaluating Hallucinations in Large Vision-Language Models



Liqiang Jing

1:30PM- 1:45PM

VIM: Probing Multimodal Large Language Models for Visual Embedded Instruction Following



Yujie Lu

1:45 - 2:00 PM

Exploring compositional adversarial attacks on multimodal language models



Erfan Shayegani

2:00PM - 2:15PM

GeoLocator: a location-integrated large multimodal model for inferring geo-privacy



Yifan Yang

2:00PM - 2:15PM

AutoTAMP: Autoregressive Task and Motion Planning with LLMs as Translators and Checkers



Yongchao Chen

# AI Safety, Security & Performance

1:15PM - 1:30PM

A Trade-off Analysis of Replacing Proprietary LLMs with Open Source SLMs in Production



Yiping Kang

1:00PM - 1:15PM

Robustness of AI-Image Detectors: Fundamental Limits and Practical Attacks



Mehrdad Saberi

12:30PM - 12:45PM

SAFE Artificial Intelligence in finance



Paolo Giudici

1:45PM - 2:00PM

LLMs and Finetuning: Benchmarking cross-domain performance for hate speech detection



Ahmad Nasir

12:45PM - 1:00PM

Risk-Aware and Explainable Framework for Ensuring Guaranteed Coverage in Evolving Hardware Trojan Detection



Rahul Vishwakarma

1:30PM - 1:45PM

CRUXEval: Code Reasoning, Understanding, and Execution Evaluation



Alex Gu

2:30PM - 2:45PM

Taking control: Policies to address extinction risks from advanced AI



Akash Wasil

2:45PM - 3:00PM

Considering Caring as a Safeguard in Artificial Intelligence



Russell Suereth

# Reasoning and intelligence

12:30PM - 12:45PM

Extracting human interpretable structure-property relationships in chemistry using XAI and large language models



Geemi Wellawatte

12:45PM - 1:00PM

Breaking Free Transformer Models: Task-specific Context Attribution Promises Improved Generalizability Without Fine-tuning Pre-trained LLMs



Stepan Tytarenko

1:00PM - 1:15PM

Freely Long-Thinking Transformer (FraILT)



Akbay Tabak

1:15PM - 1:30PM

Full Automation of Goal-driven LLM Dialog Threads with And-Or Recursors and Refiner Oracles



Paul Tarau

1:30PM - 1:45PM

On Feynman-Kac training of partial Bayesian neural networks



Zheng Zhao

1:45PM - 2:00PM

Hominis - Designing Bias mitigating human-centered foundation models



Tarry Singh

2:00PM - 2:15PM

Large Language Models for Semantic Monitoring of Corporate Disclosures: A Case Study on Korea's Top 50 KOSPI Companies



Junwon Sung

2:15PM - 2:30PM

Matryoshka Representation Learning



Aniket Rege

2:45PM - 3:00PM

SpeechGPT-Gen: Scaling Chain-of-Information Speech Generation



Dong Zhang