

OC ACM Executive Committee – online via Zoom

April 26, 2023 Meeting Agenda

<https://acm-org.zoom.us/j/98337251728?pwd=V1IMMWJOMGIHSFRMbVAwYTgrbnhWUT09>

- Review of March meeting minutes
- Officers / Volunteers
- Treasurer's Report
- April Program Proposal Review and Prep
- Committee Reports / Updates
- New/Other Business

Meeting called to order 12:02pm April 26, 2023

Meeting Attendees

- *Michael Fahy*
- *Allen Takatsuka*
- *Dan Whelan*
- *Marc Velasco*
- ~~*Nilo Niccolai*~~
- *Winsor Brown*
- ~~*Hassan Shah*~~
- *Ansel Teng*
- ~~*Don Choi*~~
- ~~*Trae Palmer*~~
- ~~*Raman Rajan*~~
- ~~*Shirley Tseng*~~
- ~~*Cynthia Kirkeby*~~
- *Farhad Mafie*
- *Jared Miller*
- ~~*Kenneth Aguilar*~~
- *Dawn Childs*

Motions

Motion	Moved By	Seconded By	Status
Approve March Executive Committee minutes	Dan Whelan	Michael Fahy	Approved

2023-2024 Officers

Position	Volunteer
Chair	Allen Takatsuka
Vice-Chair	Daniel Whelan Ph.D.
Treasurer	Michael Fahy Ph.D.
Secretary	Marc Velasco
Communications	Dawn Childs
Webmaster	Marc Velasco
SIGAI-OC Liaison	Ansel Teng Ph.D.
Membership Chair	Farhad Mafie

Officers (cont'd)

Position	Volunteer
University Liaison	Michael Fahy Ph.D.
Program Speaker Coordinators	Raman Rajan, Farhad Mafie
Program Video Coordinator	Trae Palmer
Social Media Committee	Don Choi, Cynthia Kirkeby, Trae Palmer
Membership Committee	Open
Fundraising Coordinator	Jared Miller
Members at Large	A. Winsor Brown, Shirley Tseng, Nilo Niccolai Ph.D.

Noted that Membership Comm position is still open

Treasurer's Report EOM March 2023

Beginning Balance	\$7,941.54	2/28/23
Deposits	\$0.00	
Cash	\$0.00	
Expenses	\$0.00	
Current Balance	\$7,941.54	3/31/23
Restricted Funds	\$2,964.20	IBM Grant
Unrestricted Balance	\$4,997.34	3/31/23

Michael – No changes, next month will show expenditures from Marc's chair activities.
Allen asked if there was a limit on the restricted funds and time to use them, Dan said there is no expiration.

Program Meetings

Date	Speaker	Talk
05/17/2023	Dr. Sameer Singh, Assoc Prof, UCI	How Language Models Work (and why that's why they don't) [IN REVIEW]
03/15/2023	Dr. Faisal Nawab	The Next Transformation in Computing: From the Cloud to the Global-Scale Edge
01/18/2023	Mara Mataric	Robots that care, Socially Assistive Robots (TBD)
11/16/2022	Dr. Kuansan Wang	A roadmap for regulating AI systems
9/21/2022	Dr. Alex Kurz- Chapman University	Smart Contracts
7/20/2022	Ilke Demir, Ph.D. Senior Staff Research Scientist at Intel Corporation	Embattling for a Deep Fake Dystopia
5/18/2022	Cynthia Kirkeby	NFTs - Fad or Leading Trend?
3/16/2022	William J. Dally, Ph.D. Chief Scientist & Sr VP Research, NVIDIA Corp	Deep Learning Hardware: Past, Present, and Future
1/19/2022	Peter Coffee, VP for Strategic Research at Salesforce	Dimensions of Change: Measurements for a Metaverse

May 17, 2023

How Language Models Work (and why that's why they don't)

Dr. Sameer Singh, Associate Professor of Computer Science, UCI

We are at the precipice of widespread adoption of natural language processing: large language models will fundamentally change how we use and interact with devices. Through examples, we will discuss how language models can be adapted to be classifiers, summarizers, coders, writers, and conversational assistants, with little to no supervision. We will discuss the basics of neural networks, the text corpus, and the training pipeline that enables language models to behave as these general-purpose AI agents. However, we will show how this very paradigm of language modeling also introduces fundamental limitations in this technology. We will characterize these vulnerabilities in language models.

of the talk
limitations



Dan – Sameer gave talk for us in July 2017, UCI site advertised a podcast of his chatgpt work, research is in ML and algorithm, propose adding “large” to the language models part of the title to help draw attendance.

Dawn – maybe change the parenthesis part to “and why they don't”

Dan to reach out and make the title more succinct.

Ansel – Timely topic, nicely arrange content, will copromote with SIGAI

Bio

Dr. Sameer Singh is an Associate Professor of Computer Science at the University of California, Irvine (UCI). He is working primarily on the robustness and interpretability of machine learning algorithms and models that reason with text and structure for natural language processing. Sameer was a postdoctoral researcher at the University of Washington and received his Ph.D. from the University of Massachusetts, Amherst. He received the NSF CAREER award, the UCI Distinguished Early Career Faculty award, and the Hellman Faculty Fellowship, and was selected as a DARPA Riser. His group has received funding from Allen Institute for AI, Amazon, NSF, DARPA, Adobe Research, Hasso Plattner Institute, NEC, Base 11, and FICO. Sameer has published extensively at machine learning and natural language processing venues and received conference paper awards at KDD 2016, ACL 2018, EMNLP 2019, AKBC 2020, ACL 2020, and NAACL 2022. (<https://sameersingh.org/>)

This is present in the meetup draft.

April Program

- Comms
- Website
- Meetup
- A/V Readiness
- Moderator
- Knobbe Martens - 1st Floor
- Registrations

- Dawn to send out comms when meetup is live, Dan to let Dawn know via email when live
- Allen to reach out to confirm with knobbe conf room, marc to forward email contact from knobbe to allen
 - Question do we need moderator? – Dan- would be good to have one
 - Allen – do we have decision on QR code, marc to look into
- Michael - need to update ACM chapter logo where possible on meetup and website per communication from national, note they sent us the logo for usage
- - Dan requests motion to remove Digital Choreographics as sponsor of meetup group, Michael motions, Allen seconds motion, Approved
 - Allen anyone able to read customized logo? Not needed as we should use acm national's emailed logo for chapter
 - Marc to update website logo
 - Dan to update meetup site (note after meeting it looks like we inherit it from national here)

Future Program Event Candidates (UCI)

Machine Learning

- Stephan Mandt (anomaly detection without supervised learning)
- Roy Fox (reinforcement learning, robotics)
- Jing Zhang (ML applied to bioinformatics)
- Alex Berg (computational visual recognition, starts @UCI Spring 2022)
- **Dr. Chang (AI and Medicine) - Shirley**

System

- Faisal Nawab (global scale data management)
- Sang-Woo Jun (acceleration)
- Sangeetha Jyothi (Data center networking)
- Moshen Imani (bio-inspired computing)

Theory

- Vijay Vazirani (involved with the design of early Google Ad Placement Alg.)

Informatics

- Vladimir Minin (Data analysis)
- Stacy Branham (human-cente

Allen -to follow up with Faisal on leads

Dan -to follow up on Dr Chang (UCI)

Michael – had talk from UCI faculty (Rizo?) Improve approach to parallel processing improvement on IEEE standard, will send slides to group

Ansel – connected with Jeff Turner – adjunct at chapman, might be future talk candidate,

Future Program Event Candidates

Potential Speakers - In no prioritized or feasibility order

- Caltech Professor Yisong Yue, ML [Dan]
- Andrew Kirkland, CISO at Starbucks
- Beth Harnick-Shapiro [Marc]
- Bill Lobig VP IBM Software Development - Analytics [Marc]
- Christophe Begue, IBM - Blockchain (Mike Marin will research if he is indeed at IBM)
- John Koon, Tech Idea Research - Autonomous Cars
- Bill Cleveland – Data Visualization (M. Fahy has reached out to him)
- Alanna Gombert, Global CRO at MetaX – Blockchain
- Sushant Rao - Operational Analytic Data Stores (M. Fahy has reached out to him)
- Paul Anderson, Anderson Software Group – Go language
- Alyssa Columbus, Data Scientist at Pacific Life - Robust and Reproducible Predictive Modeling Workflows
- Dianne Cook, Prof. of Business Analytics, Monash University – Data Visualization
- **Dr. Anthony Chang of St. Joseph's/CHOC/AiM (Shirley / Cynthia)**

Topics

- Interest in potentially having a future talk focused on Privacy By Design and related best practices identified in March meeting

Reports / Updates

Chapter Logo email dated Apr 20

Ansel – SigAI to restart in online format, will notify of our may event and start SIGAI events in may as well

Michael – National sent a talk on Large Language Models as well, matt welsh

Winsor – did not get calendar invite, noted email on file for calendar invite isn't used as often

Dan - check received asking where it came from, unknown, Allen will reach out to michael for deposit info

Other/New Business

Meeting Adjourned April 26, 2023 12:31pm