Call for Participation

How do AI and LLMs change our lives? Reflections and outlook

Sunday, 30 June 2024 - 08:30am -12:30pm

Helmut Degen
Siemens Corporation,
United States,
helmut.degen@siemens.com

Abbas Moallem
Charles W. Davidson College
of Engineering,
San Jose State University, USA
abbas.moallem@sjsu.edu

Stavroula Ntoa
Foundation for Research &
Technology - Hellas (FORTH),
Greece,
stant@ics.forth.gr

Aim of the workshop

As a result of the latest developments in Generative Artificial Intelligence and Large Language Models applications, like ChatGPT and Bard, millions of people started using them. Even more people are interested in using them. These are people from all walks of life, including students, academics, engineers, lawyers, designers, writers, media experts, programmers, politicians, artists, and private citizens across the globe.

The purpose of this workshop is to bring together, for knowledge sharing, practitioners, researchers, and scholars in the field of AI, Natural Language Processing, and HCI. The focus of the workshop will be to elaborate on the impact of Large Language Models on our lives, exploring the multifaceted implications of these technologies on daily activities, the industry, academia, and society as a whole.

Expected workshop outcome

The workshop aims to facilitate knowledge sharing between practitioners, researchers, and scholars in the field of AI, while working on the currently popular topic of Natural Language Processing and Large Language Models.

Furthermore, participating authors will have the option of publishing the outcomes of the workshop in a chapter of a book that will be edited by the Workshop organizers.

Workshop topics

Topics of interest include but are not limited to:
- Human-AI Interaction: Insights on using AI and LLMs and findings on user experience and impact
- User Experience Design / User Studies: Research and practice on crafting interactions with AI and LLMs
- Industry / Business Applications: Real-world applications and case studies of AI and LLMs
- Ethical and Societal Implications: Ethical considerations and societal challenges emanating from the widespread use of AI and LLMs.
- Privacy and Security: Data privacy and security concerns regarding AI and LLMs
- Scientific research: Support of and advancements for LLMs in scientific research.
- Law and Regulations: Legal and regulatory perspectives on the use of LLMs
- Education: Teaching and controlling the use of LLMs / generative AI in education.
- Media Companies: Generative AI and LLMs for the generation of media content.
- Software Engineering: Generation and verification of source code
- Life: The impact of LLMs and generative AI and how they change our lives.

Workshop agenda

The workshop will span four hours comprising two parts.

The first part will begin with a short introduction by the workshop organizers, to be followed by position talks by participants, presenting their work on the workshop topic.

The second part will be an interactive session for reflections and outlook.

The following is a framework for the program of the workshop:

Time	Program event
08:30 – 08:45	Welcome and introductions
08:45 – 10:30	Position talks by participants
10:30 – 11:00	Refreshment Break
11:00 – 11:45	Reflections on the position talks
11:45 – 12:15	Outlook on the workshop topic
12:15 – 12:30	Workshop wrap up

Guidelines to prospective authors

Submission for the Workshop

Prospective authors should submit their proposals in PDF format through the HCII [Conference Management System (CMS)](#).

Submissions are expected to be formatted as extended abstracts, with a recommended length ranging from 800 to 1,000 words. As authors prepare their extended abstracts, they are encouraged to consider the following suggested structure: introduction, background, purpose of the work, statement of position, primary arguments, methodology (if relevant), conclusion, and references.

Submission for the Conference Proceedings

The contributions to be presented in the context of Workshops will not be automatically included in the Conference proceedings.

However, after consultation with the Workshop Organizer(s), authors of accepted workshop proposals that are registered for the conference are welcome to submit, through the HCII Conference Management System (CMS), an extended version of their workshop contribution to be considered, following further peer review, for presentation at the Conference and inclusion in the "Late Breaking Work" conference proceedings, either in the LNCS as a long paper (typically 12 pages, but no less than 10 and no more than 20 pages), or in the CCIS as a short paper (typically 6 pages, but no less than 4 and no more than 8). The submission deadline for the camera-ready papers (long or short) for the "Late Breaking Work" Volumes of the Proceedings is the 24th of May 2024.

Workshop deadlines

Submission of workshop contributions	19 April 2024
Authors notified of decisions on acceptance	3 May 2024
Finalization of workshop organization and registration of participants	10 May 2024

Workshop Organizer(s)

Helmut Degen
Dr. Helmut Degen is Senior Key Expert for User Experience at Siemens Corporation, Princeton, NJ, USA. Helmut's research topics are trust, value, and efficiency. He conducts explainable AI (XAI) research at Siemens with a focus on human-computer interaction. Helmut is also the co-chair of the yearly, international conference on Artificial Intelligence in Human-Computer Interaction (AI-HCI) affiliated with the HCI International Conference. He has received a Masters of Science (in German "Diplom-Informatiker") from the Karlsruhe Institute of Technology and a PhD in Information Science from the Freie Universität Berlin (both in Germany).

Abbas Moallem
Dr. Abbas Moallem is executive consultant and adjunct professor at San Jose State University, California State University, East Bay, where he teaches human computer interaction, cybersecurity, information visualization and human factors. Abbas has over 30 years of experience in the fields of human factors, ergonomics, human-computer interaction (HCI), and usability. He has also served as a senior engineering product manager and usability expert at NETGEAR, a UI Architect at PeopleSoft and Oracle Corporation. Tumbleweed and Axway for over 11 years. Abbas has consulted a variety of industries in Europe, Canada, and the USA. Dr. Moallem holds a Ph.D. in Human Factors and Ergonomics from the University of Paris (Paris XIII), a Master degree in Biomechanics from the University of Creteil (Paris XI), and a Master's degree in Ergonomics from the Conservatoire Nation des Arts et Métiers in Paris,

France. Dr. Moallem obtained his B.A. degree from the University of Tehran in 1978. He currently serves as Program Chair of "Human Factors in Cybersecurity at the HCI International and the Applied Human Factors and Ergonomics International conferences. Abbas is the program chair of the HCI-CPT:5th International Conference on HCI for Cybersecurity and Trust. He is the author and editor of several articles and books. He is also a series editor of Smart and Intelligent System series at CRC / Routledge.

Stavroula Ntoa

Dr. Stavroula Ntoa is a computer scientist specialized in usability engineering, User Experience (UX) research and design, and software accessibility. She holds a Ph.D. in "Information Systems and Human-Computer Interaction", and an M.Sc. in "Information Systems" and "Computer Networks and Digital Communications" from the Computer Science Department of the University of Crete, Greece. Currently, she is a post-doctoral researcher at the HCI Laboratory of the Institute of Computer Science of FORTH, conducting research on adaptive and intelligent interfaces, universal access and accessibility of modern interactive technologies, and user experience research in intelligent and Artificial Intelligence environments. She is also co-chair of the yearly, international conference on Artificial Intelligence in Human-Computer Interaction (AI-HCI) affiliated with the HCI International Conference.

Useful links and References

Fan, Z., Gao, X., Mirchev, M., Roychoudhury, A., & Tan, S. H. (2023, May). Automated repair of programs from large language models. In 2023 IEEE/ACM 45th International Conference on Software Engineering (ICSE) (pp. 1469-1481). IEEE.

Kasneci, E., Seßler, K., Küchemann, S., Bannert, M., Dementieva, D., Fischer, F., ... & Kasneci, G. (2023). ChatGPT for good? On opportunities and challenges of large language models for education. Learning and individual differences, 103, 102274.

Liu, Y., Han, T., Ma, S., Zhang, J., Yang, Y., Tian, J., ... & Ge, B. (2023). Summary of chatgpt-related research and perspective towards the future of large language models. Meta-Radiology, 100017.

Lund, B. D., & Wang, T. (2023). Chatting about ChatGPT: how may AI and GPT impact academia and libraries?. Library Hi Tech News, 40(3), 26-29.

Ozdemir, S. (2023). Quick Start Guide to Large Language Models: Strategies and Best Practices for Using ChatGPT and Other LLMs. Addison-Wesley Professional.

Shen, Y., Heacock, L., Elias, J., Hentel, K. D., Reig, B., Shih, G., & Moy, L. (2023). ChatGPT and other large language models are double-edged swords. Radiology, 307(2), e230163.

Registration regulation

Workshops will run as 'hybrid' events. Participants will have the option to attend either in-person or virtually. The total number of participants per workshop cannot be less than 8 or exceed 25.

Workshops are 'closed' events, i.e. only authors of accepted workshop proposals, registered for the specific workshop, will be able to attend.

Registration for workshops is complimentary for registered conference participants.