



STEM Education Innovation Alliance

MEETING AGENDA

Revised 3/2/2024

DATE March 5, 2024

TIME 10:00 AM to 12:30 PM

TVW LIVESTREAM [Click here to view meeting on TVW website](#)

TEAMS MEETING LINK Virtual Meeting
[Click here to join the meeting on Microsoft Teams](#)

TOPICS | Artificial Intelligence vs Augmented Intelligence, demystifying AI functions in our world, AI applications in climate change impacts, mental health and medicine, and introductory demonstrations of Microsoft AI applications

10:00 AM **Welcome, Introductions & STEM Alliance Next Steps**

Lynne Varner, *CEO, Washington STEM*

John Aultman, *Executive Policy Advisor | Higher Education and Workforce Development*

Office of Governor Jay Inslee

Jenée Myers Twitchell, *Chief Impact & Policy Officer*
Washington STEM

10:30 AM **Overview of Artificial Intelligence**

A quick overview of AI, from the coining of the term in 1955 to the rapid advances of the past decade that have led to “generative AI” and the “Large Language Models” that have captivated public interest of late.

Ed Lazowska, *Professor and Bill & Melinda Gates Chair Emeritus*

University of Washington Paul G. Allen School of Computer Science & Engineering

10:40 AM **AI and Misinformation/Disinformation**

AI can contribute to misinformation/disinformation – it is one of many sources – but it is also the only realistic hope for countering it at Internet scale. Facebook, for example, makes extensive use of advanced AI to remove hate speech from its platform. University of Washington’s Center for an Informed Public is a leader in understanding and countering misinformation/disinformation.

Jevin West, *Associate Professor*
University of Washington Information School
Co-Founder and Inaugural Director
University of Washington Center for an Informed Public

11:00 AM **AI in Climate Modeling**

Planetary-scale Earth simulations known as global climate models are the primary sources of information on future climate change. Since the early days of climate modeling, software, hardware, and the way that engineers and scientists collaborate have gone through incredible transformations. Better data and technologies are informing how we mitigate and adapt to global impacts, such as sea level rise, community destruction, and biodiversity loss.

Chris Bretherton, *Senior Director of Climate Modeling*
Allen Institute for AI

11:20 AM **AI for Mental Health**

Introduction to current research that is developing computational methods to leverage large-scale behavioral data and extract actionable insights about our lives, health, and happiness through combining techniques from data science, social network analysis, and natural language processing - with a particular focus on mental health and public health.

Tim Althoff, *Assistant Professor, Behavioral Data Science Group*
University of Washington Paul G. Allen School of Computer Science & Engineering

11:40 AM **AI in Health and Medicine**

Artificial intelligence can turn the sensors on our smartphones (the camera, the microphone, the accelerometer) into medical screening and diagnosis instruments whose accuracy is on a par with laboratory instruments. AI can turn smart watches (Apple Watch, Fitbit, etc.) into continuous health monitors. Health and medicine are being transformed by AI.

Shwetak Patel, *Washington Research Foundation Entrepreneurship Endowed Professor*

University of Washington Paul G. Allen School of Computer Science & Engineering

University of Washington Department of Electrical & Computer Engineering

Director of Health Technologies

Google

12:00 PM **Demonstration of Microsoft Education tool and the latest AI updates for educators and students**

Learn about the latest AI updates from Microsoft Education! We will share an overview of AI tools including Microsoft Copilot, Learning Accelerators, and much more. Hear how these tools can support personalized learning, automate daily tasks, provide insights, save time, and increase learner engagement. And, how AI can help learning be more accessible and inclusive.

Mike Tholfsen, *Group Product Manager, Microsoft Education team*
Microsoft Inc.

12:30 PM **Adjourn**

FOR MORE INFORMATION AND ASSISTANCE

Ellen Matheny *STEM Alliance Manager* welcomes you to contact her at:

Office (360) 485-1216 | Cell (360) 515-6810 | Email ellenm@wsac.wa.gov

MEETING AGENDA, PRESENTATION SLIDES AND HANDOUTS

