



## National Artificial Intelligence Advisory Committee

### Agenda

November 21, 2024 | 2:00 p.m.– 4:30 p.m. ET

**Location:** Virtual Event

**Virtual:** A Zoom Event Link was sent to all registered attendees.

**Objectives:** The primary purpose of this meeting is to have invited guests brief the full Committee on topics of interest related to AI in Hardware and AI and Energy. The briefings, organized by the NAIAC's AI Futures-Preparedness, Opportunities, and Competitiveness Working Group, and follow-up discussion will address the following: As advancements in AI hardware fuel unprecedented growth in applications, they also raise critical questions about energy use and sustainability. These two briefings will delve into the trajectory of AI hardware development for both pre-training and inference, examining the driving forces behind these innovations and the evolving energy supply and demand landscape in response to the burgeoning AI sector. Through these briefings, we aim to identify valid sustainability concerns and explore policy recommendations that can foster AI innovation while promoting a more sustainable energy future.

**2:00 p.m. – 2:05 p.m.**

#### **Meeting is Called to Order and Welcome**

Cheryl Gendron, Designated Federal Officer

Melissa Taylor, NAIAC Program Manager

Miriam Vogel, NAIAC Chairperson

Ramayya Krishnan Co-Chair of the NAIAC AI Futures – Preparedness, Opportunities, and Competitiveness Working Group

**2:05 p.m. – 4:25 p.m.**

#### **Discussion Panels:**

##### **AI in Hardware Panel**

- **Nafea Bshara**, VP/Distinguished Engineer, Amazon Web Services
- **Tamara Kneese**, Director, Algorithmic Impact Methods Lab, Data & Society Research Institute
- **Andy Hock**, Senior Vice President, Product & Strategy, Cebras AI
- **Erica Fuchs**, Professor in the Department of Engineering and Public Policy at Carnegie Mellon University

##### **AI and Energy**

- **Emma Strubell**, Raj Reddy Assistant Professor, Language Technologies Institute, Carnegie Mellon University
- **Thomas Zacharia**, Senior Vice President, Strategic Technical Partnerships and Public Policy, AMD



- **Arman Shehabi**, Staff Scientist in the Energy Analysis & Environmental Impacts Division, Lawrence Berkeley National Laboratory
- **Keith Benes**, Senior Advisor, U.S. Department of Energy

**4:25 p.m. - 4:30 p.m.**

**Closing Remarks**

Ramayya Krishnan Co-Chair of the NAIAC AI Futures – Preparedness, Opportunities, and Competitiveness Working Group

**4:30 p.m.**

**Adjourn**

Designated Federal Officer closes the meeting.