

# National Artificial Intelligence Advisory Committee

## Federal Advisory Committee Hearing and Meeting Minutes October 12-13, 2022

The National Artificial Intelligence Advisory Committee (NAIAC) held a public field hearing and committee meeting on October 12 and 13, 2022 in Stanford, California.

### Committee Members:

- Miriam Vogel, Chair
- James Manyika, Vice Chair
- Yll Bajraktari
- Amanda Ballantyne
- Sayan Chakraborty
- Jack Clark
- David Danks
- Victoria Espinel
- Paula Goldman
- Susan Gonzales
- Janet Haven
- Daniel Ho
- Ayanna Howard
- Jon Kleinberg
- Ramayya Krishnan
- Ashley Llorens
- Haniyeh Mahmoudian
- Christina Montgomery
- Liz O'Sullivan
- Fred Oswald (virtual)
- Frank Pasquale
- Trooper Sanders
- Navrina Singh
- Swami Sivasubramanian
- Keith Strier
- Reggie Townsend

### NIST Staff Members Present:

- Melissa Banner, Designated Federal Officer (DFO), National Institute of Standards and Technology (NIST)
- Elham Tabassi, NIST

## October 12, 2022, Field Hearing

### Welcome and Opening Remarks:

#### Melissa Banner, DFO

- Called the meeting to order at 9:07 AM PDT and confirmed the committee is operating under the Federal Advisory Committee Act and accessible to the public via livestream.

#### Jenny Martinez, Dean, Stanford Law School

- Welcomed NAIAC members and Stanford University attendees and gave an overview of recent and current Stanford efforts involving AI and its legal implications

#### Fei-Fei Li, Co-Director, Stanford Institute for Human-Centered AI (HAI)

- Described the HAI mission and noted that policy needs to help ensure that AI is developed from a human-centered perspective.

## Panel 1: Building Trustworthiness into Artificial Intelligence

### Panelists:

- Renee Cummings, Data Activist in Residence, University of Virginia (virtual)
- Kadija Ferryman, Core Faculty, Johns Hopkins University (virtual)
- Michele Gilman, Venable Professor of Law; Associate Dean for Faculty Research & Development; Director, Saul Ewing Civil Advocacy Clinic; Co-Director, Center on Applied Feminism; Affiliate, Data & Society, University of Baltimore School of Law (virtual)

This panel discussed the challenges of using AI in a trustworthy manner and explored what the US government is doing right and what it can do better to promote AI systems that are fair, equitable, and unbiased.

### **Panel 2: Advancing U.S. Leadership in AI Research & Development**

#### **Panelists:**

- Catherine Aiken, Director of Data Science, Center for Security and Emerging Technology, Georgetown University (virtual)
- Percy Liang, Assistant Professor of Computer Science and Statistics, Director CRFM, Stanford University, Human-Centered AI, AI Lab, Natural Language Processing Group, Machine Learning Group, Center for Research on Foundation Models
- Deirdre Mulligan, Professor, School of Information, Co-Director, Algorithmic Fairness & Opacity Group, Faculty Director, Berkeley Center for Law and Technology, University of California, Berkeley

This panel discussed how the U.S. government can promote diversity and equitable access to AI R&D. It also discussed the need for increased government funding on AI to help bridge the gap between academia and industry in order to maximize AI's benefits to all Americans.

### **Panel 3 – Growing Opportunity for the U.S. Workforce in the Age of AI**

#### **Panelists:**

- Daniel Chasen, Vice President of Workplace Policy, HR Policy Association (virtual)
- Karen Levy, Associate Professor, Department of Information Science, Cornell (virtual)
- Randi Weingarten, President, American Federation of Teachers (virtual)

This panel discussed the ways AI impacts jobs and the workforce. It explored the externalities of AI in professions such as nursing and education and emphasized the need for leaders to include worker's voices in how technology is adopted and implemented.

### **Panel 4 – Ensuring U.S. Government Coordination on AI to Lead and Compete Globally**

#### **Panelists:**

- William Hurd, Managing Director, Allen & Company; Former United States Representative (TX-23) (virtual)
- Tara Murphy Dougherty, CEO, Govini
- Brian Drake, Federal Chief Technology Officer, Accrete AI
- Andrei Iancu, Former Under Secretary of Commerce for Intellectual Property and Former Director, U.S. Patent and Trademark Office (virtual)

This panel discussed how U.S. civilian government agencies can better coordinate ongoing and future AI activities and the importance of global cooperation with allied nations, protecting intellectual property, and facilitating American innovation in AI.

## Panel 5 – Expanding International Collaboration

### Panelists:

- Gerard de Graaf, Senior EU Envoy for Digital and Head, EU Office in San Francisco
- Cameron Kerry, Ann R. and Andrew H. Tisch Distinguished Visiting Fellow - Governance Studies, Center for Technology Innovation, The Brookings Institution

This panel discussed the importance of bilateral international cooperation on AI between the US and allies. The panel also compared and contrasted U.S. and European privacy laws and the need for AI standards.

## Closing Remarks from the NAIAC Chair

### Miriam Vogel:

- Thanked the panelists and members for their participation
- The chair provided a summary of public comments and encouraged anyone interested to submit thoughts and questions to [naiac@nist.gov](mailto:naiac@nist.gov).

## Adjourn

### Melissa Banner, DFO

- Adjourned day one of the meeting at 4:11 PM PDT.

## October 13, 2022, NAIAC Meeting

### Welcome and Opening Remarks:

### Melissa Banner, DFO

- Called the meeting to order at 9:32 AM PDT and confirmed the committee is operating under the Federal Advisory Committee Act and accessible to the public via livestream.

### Welcome from NAIAC Chair and Vice Chair

### Miriam Vogel, Chair of the National Artificial Intelligence Advisory Committee,

### James Manyika, Vice Chair of the National Artificial intelligence Advisory Committee

- Thanked everyone for participating and watching the meeting.
- The purpose of the meeting today is to ask each working group to reflect on their choice of panel subject matter and speakers, as well as to provide context on how discussion at the field hearing and related discussions will inform their lines of interest as a working group.

### Working Group Takeaways from the Field Hearing First Day

#### Working Group 1: Leadership in Trustworthy Artificial Intelligence

- The Members recapped the key themes from the panel which included the need for - and the challenges of - Government use of AI in high-risk, high-impact areas, with particular focus on underrepresented communities.

- Summarized the panelists' discussion points, noting that data used in AI must be contextualized and more controls are needed throughout an AI system's life cycle to ensure democratic values are preserved.
- Discussed the goals outlined in the NAIAC's mandates and identified a need for more discussion on what it means to represent and operationalize democratic values in the pursuit of AI leadership.
- Noted that in seeking trustworthy AI, it is important to listen to those who have lost trust.
- Concluded with summary of core themes from the panel discussion and identified three conceptual tenants for the committee to consider in its work: values, not simply metrics; proactive, not reactive; and engagement and empowerment.

### **Working Group 2: Leadership in Research and Development**

- The Members compared the themes, questions, and priorities discussed during the field hearing to the areas of focus the working group has identified.
- Commented on the need for a better shared language when discussing this work and the importance of measuring and assessing AI systems.
- Emphasized an urgent need for research support on AI and tied themes discussed during the R&D panel to comments made during the Trustworthy AI panel.
- And contrasted AI to other fields of computer science emphasizing that the rate of change in AI innovation requires accepting a new normal in AI R&D funding. Sivasubramanian also discussed the need for increased funding and access for researchers and students to help bridge the gap between academia and industry.

### **Working Group 3: Supporting the U.S. Workforce and Providing Opportunity**

- The Members summarized the panel's focus on three areas: the role of AI algorithms in workplace management, their impact on how work is performed, and how employees experience AI in the workplace.
- Reflected on the transition AI has made from being an esoteric concept to something that intersects with every-day life, adding that competitiveness and upholding values is not an either-or decision.
- Re-emphasized the importance of trust and the need to advance AI literacy in order to promote work dignity and reiterated the need to include workers in the discussion.
- Commented that low wage workers are especially impacted by AI and encouraged the committee to focus on recommendations that allow for greater participation in the future of AI in a more dignified way.

### **Working Group 4: U.S. Leadership and Competitiveness**

- The Members restated the goal of the leadership and competitiveness working group.
- Emphasized the importance of government funding in AI.
- Questioned how to reconcile the quality of spending with strategic goals and posited the potential infrastructure challenge of designing an appropriate mechanism for inclusivity.
- Identified a need for a national conversation on AI and the need for consensus around a shared goal.

- Emphasized the need to boost competitiveness through international cooperation, noting that while progress has been made in the national security space, more work needs to be done on the economic side.
- Commented that the panel discussion focused heavily on national security but did not focus enough on economic aspects.

#### **Working Group 5: International Cooperation**

- The Members commented on the need for continued discussion on international cooperation, citing the need to balance information regulation and diffusion when collaborating with international partners. Further noting that the U.S. can achieve leadership in AI by being a positive example of rights-affirming, value-affirming, trustworthy, equitable, sustainable AI.
- Identified a need for more research into the international cooperation landscape to identify gaps.
- Emphasized that collaborative research is an opportunity to achieve leadership in trustworthy, value-supporting, and rights-protecting systems
- Discussed the need to embrace the new framing around AI – noting that value-based and rights-based AI is a competitive advantage.
- Encouraged Members to think about a complete life cycle approach, bringing in communities earlier in the conversations, and ensuring that there are clear norms and regulations early in the AI lifecycle before something goes wrong.
- Concluded with three takeaways: the importance of harmonization, openly arrived at standards, and cooperation that builds on shared values.

#### **Instructions to the Committee and Closing Remarks**

##### ***Miriam Vogel:***

- Thanked the committee for their robust conversation and shared remarks of gratitude for the government officials, Stanford University, and staff who supported the meeting.
- Encouraged feedback from the public, noting that all comments can be sent to [naiac@nist.gov](mailto:naiac@nist.gov)

#### **Adjourn**

##### **Melissa Banner, DFO**

- Adjourned the meeting at 11:17 AM PDT.