



U.S. House of Representatives

COMMITTEE ON ETHICS

EMPLOYEE POST-TRAVEL DISCLOSURE FORM

Original

Amendment

This form is for disclosing the receipt of travel expenses from private sources for travel taken in connection with official duties. This form does not eliminate the need to report privately-funded travel on the annual *Financial Disclosure Statements* of those employees required to file them. In accordance with House Rule 25, clause 5, you must complete this form and file it with the Clerk of the House, by email at gifttravelreports@mail.house.gov, within 15 days after travel is completed. Please do *not* file this form with the Committee on Ethics.

NOTE: Willful or knowing misrepresentations on this form may be subject to criminal prosecution pursuant to 18 U.S.C. § 1001.

1. Name of Traveler: Anna Lenhart
2. a. Name of Accompanying Relative: _____ OR None
 b. Relationship to Traveler: Spouse Child Other (specify): _____
3. a. Dates: Departure: 8/8/2022 Return: 8/11/2022
 b. Dates of Personal Expense, if any: _____ OR None
4. Departure City: Washington DC (Dulles) Destination: Stanford (SFO) Return City: Washington DC (DCA)
5. Sponsor(s), Who Paid for the Trip: Stanford Institute for Human-Centered Artificial Intelligence
6. Describe Meetings and Events Attended:
agenda attached
7. Attached to this form are each of the following, signify that each item is attached by checking the corresponding box:
 - a. a completed *Sponsor Post-Travel Disclosure Form*;
 - b. the *Primary Trip Sponsor Form* completed by the trip sponsor prior to the trip, *including all attachments and the Additional Sponsor Form(s)*;
 - c. page 2 of the completed *Traveler Form* submitted by the employee; and
 - d. the letter from the Committee on Ethics approving my participation on this trip.
8. a. I represent that I participated in each of the activities reflected in the attached sponsor's agenda.
Signify statement is true by checking the box.
 b. If not, explain:

I certify that the information contained on this form is true, complete, and correct to the best of my knowledge.

Signature of Traveler: Anna Lenhart Digitally signed by Anna Lenhart Date: 2022.08.29 13:19:18-04'00' Date: _____

I authorized this travel in advance. I have determined that all of the expenses listed on the attached *Sponsor Post-Travel Disclosure Form* were necessary and that the travel was in connection with the employee's official duties and would not create the appearance that the employee is using public office for private gain.

Name of Supervising Member: Rep. Lori Trahan Date: _____

Signature of Supervising Member: Lori Trahan Digitally signed by Lori Trahan Date: 2022.08.29 13:20:16-04'00' _____



U.S. House of Representatives

COMMITTEE ON ETHICS

SPONSOR POST-TRAVEL DISCLOSURE FORM Original Amendment

This form must be completed by an officer of any organization that served as the primary trip sponsor in providing travel expenses or reimbursement for travel expenses to House Members, officers, or employees under House Rule 25, clause 5. A completed copy of the form must be provided to each House Member, officer, or employee who participated on the trip within ten days of their return. You must answer all questions, and check all boxes, on this form for your submission to comply with House rules and the Committee's travel regulations. Failure to comply with this requirement may result in the denial of future requests to sponsor trips and/or subject the current traveler to disciplinary action or a requirement to repay the trip expenses.

NOTE: Willful or knowing misrepresentations on this form may be subject to criminal prosecution pursuant to 18 U.S.C. § 1001.

1. Sponsor(s) who paid for the trip, Stanford Institute for Human-Centered Artificial Intelligence
2. Travel Destination(s): Stanford University, Stanford, CA
3. Date of Departure: August 8, 2022 Date of Return: August 11, 2022
4. Name(s) of Traveler(s): Jie Tang
Note: You may list more than one traveler on a form only if all information is identical for each person listed.
5. Actual amount of expenses paid on behalf of, or reimbursed to, each individual named in Question 4:

	Total Transportation Expenses	Total Lodging Expenses	Total Meal Expenses	Total Other Expenses (dollar amount per item description)
Traveler	\$1291.25 (per round trip economy class ticket) \$115 Ground	\$245 per night \$735 total		
Accompanying family Member				

6. All expenses connected to the trip were for actual costs incurred and not a per diem or lump sum payment. Signify statement is true by checking box.

I certify that the information contained in this form is true, complete, and correct to the best of my knowledge.

Signature: _____ Date: 8/23/22

Name: Jie Tang Title: Director

Organization: Stanford Institute for Human-Centered Artificial Intelligence

I am an officer of the above named organization. Signify statement is true by checking box.

Address: 353 Serra Mall, Stanford, CA

Email: jtang@stanford.edu Telephone: 202-225-7103

Committee staff may contact the above named individual if additional information is required.

If you have questions regarding your completion of this form, please contact the Committee on Ethics at 202-225-7103.



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TRAVELER FORM

This form should be completed by House Members, officers, or employees seeking Committee approval of privately-sponsored travel or reimbursement for travel under House Rule 25, clause 5. The completed form should be submitted directly to the Committee by each invited House Member, officer, or employee, together with the completed and signed trip sponsor form(s) and any attachments. A copy of this form, minus this initial page, will be made available for public inspection. This form and any attachments may be delivered to the Commilcc at 1015 Longworth or e-mailed to travelrequests@mail.house.gov.

Your completed request must be submitted to the Committee no less than 30 days before your proposed departure date. Absent exceptional circumstances, permission will not be granted for requests received less than 30 days before the trip commences. You must receive explicit approval from the Committee before you depart on this trip.

Name of Traveler: Anna Lenhart

NOTE: Willful or knowing misrepresentations on this form may be subject to criminal prosecution pursuant to 18 U.S.C. § 1001.

I certify that the information contained on both pages of this form is true, complete, and correct to the best of my knowledge.

Signature: **Anna Lenhart**

Digitally signed by Anna Lenhart

Date: 2022.07.11 09:26:55 -0400

Name of Signatory (if other than traveler): _____

For Staff (name of employing Member (or Committee): Rep Lori Trahan

Office Address: 2439 Rayburn HOB, Washington DC 20515

Telephone Number: 202-770-5444

Email Address of Contact Person: anna.lenhart@mail.house.gov

D Check this box if the sponsoring entity is a media outlet, the purpose of the trip is to make a media appearance sponsored by that entity, and these forms are being submitted to the Committee less than 30 days before the trip departure date.

NOTE: You must complete all of the contact information fields above, as Committee staff may need to contact you if additional information is required.

KEEP A COPY OF THIS FORM. Page 2 (but not this page) must be submitted to the Clerk as part of the post-travel disclosure required by House Rule 25. Travel Regulation § 404(d) also requires you to keep a copy of all request forms and supporting paperwork for three subsequent Congresses from the date of travel.

If there are any questions regarding this form, please contact the Committee on Ethics at 202-225-7103 or via e-mail: travel.requests@mail.house.gov.



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TRAVELER FORM

1. Name of Traveler: A'nn=Lenhart

2. Sponsor(s) who will be paying or providing in-kind support for the trip;
Stanford University

3. City and State OR Foreign Country of Travel: San Francisco, CA

4. a. Date of Departure: August 8, 2022 Date of Return: August 11, 2022

b. Yes No Will you be extending the trip at your personal expense?

If yes, list dates at personal expense: _____

5. a. Yes No Will you be accompanied by a family member at the sponsor's expense? If yes:

(1) Name of Accompanying Family Member: _____

(2) Relationship to Traveler: Spouse Child Other (specify): _____

(3) Yes No Accompanying Family Member is at least 18 years of age:

6. a. Yes No Did the trip sponsor answer "Yes" to Question 8(c) on the *Primary Trip Sponsor Form* (i.e., travel is sponsored by an entity that employs a registered federal lobbyist or a foreign agent)?

h. If yes, and you are requesting lodging for two nights, explain why the second night is warranted:

7. Yes No *Primary Trip Sponsor Form* is attached, including agenda, invitee list, and any other attachments and Additional Sponsor Forms.

NOTE: The agenda should show the traveler's individual schedule, including departure and arrival times and identify the specific events in which the traveler will be participating.

8. Explain why participation in the trip is connected to the traveler's individual official or representational duties. **Staff should include their job title and how the activities on the itinerary relate to their duties.**

I am the Senior Policy Advisor to Rep Lori Trahan covering technology and innovation policy and have drafted multiple bills related to algorithm audits

9. Yes No Is the traveler aware of any registered federal lobbyists or foreign agents involved planning, organizing, requesting, or arranging the trip?

10. For staff travelers, to be completed by your employing Member:

ADVANCED AUTHORIZATION OF EMPLOYEE TRAVEL

I hereby authorize the individual named above, an employee of the U.S. House of Representatives who works under my direct supervision, to accept expenses for the trip described in this request. I have determined that the above-described travel is in connection with my employee's official duties and that acceptance of these expenses will not create the appearance that the employee is using public office for private gain.

Signature of Employing Member Lori Trahan

Digitally signed by Lori Trahan

Date 07/11/2022



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COMMITTEE ON ETHICS

PRIMARY TRIP SPONSOR FORM

This form should be completed by private entities offering to provide travel or reimbursement for travel to House Members, officers, or employees under House Rule 25, clause 5. A completed copy of the form (and any attachments) should be provided to each invited House Member, officer, or employee, who will then forward it to the Committee together with a *Li-aveler Parm* at least **30** days before the start date of the trip. The trip sponsor should NOT submit the form directly to the Committee. The Committee website (ethics.house.gov) provides detailed instructions for filling out the form.

NOTE: Willful or knowing misrepresentations on this form may be subject to criminal prosecution pursuant to 18 U.S.C. § 1001. Failure to comply with the Committee's Travel Regulations may also lead to the denial of permission to sponsor future trips.

1. Sponsor who will be paying for the trip:
Stanford University
2. [ZI I represent that the trip will not be financed, in whole or in part, by a registered federal lobbyist or foreign agent. Signify that the statement is true by checking box.
3. Check only one. I represent that:
 - a. [i] The primary trip sponsor has not accepted from any other source, funds intended directly or indirectly to finance any aspect of the trip: OR
 - b. O The trip is arranged without regard to congressional participation and the primary trip sponsor has accepted funds only from entities that will receive a tangible benefit in exchange for those funds: OR
 - c. O The primary trip sponsor has accepted funds from other source(s) intended directly or indirectly to finance all or part of this trip and has enclosed disclosure forms from each of those entities.
If "c" is checked, list the names of the additional sponsors:
4. Provide names and titles of ALL House Members *and* employees you are inviting. For each House invitee, provide an explanation of why the individual was invited (include additional pages if necessary):
See attached
5. Yes No Is travel being offered to an accompanying family member of the House invitee(s)?
6. Date of departure: August 8, 2022 Date of return: August 11, 2022
7. a. City of departure: Washington, DC
b. Destination(s): Stanford University, Stanford, CA
c. City of return: Washington, DC
8. Check only one. I represent that:
 - a. [i] The sponsor of the trip is an institution of higher education within the meaning of section 101 of the Higher Education Act of 1965: OR
 - b. The sponsor of the trip does not retain or employ a registered federal lobbyist or foreign agent; OR
 - c. The sponsor employs or retains a registered federal lobbyist or foreign agent, but the trip is for attendance at a one-day event *and* lobbyist/ foreign agent involvement in planning, organizing, requesting, or arranging the trip was *de minimis* under the Committee's travel regulations.
9. Check only one of the following:
 - a. [i] I checked S(a) or (b) above; OR
 - b. I checked S(c) above but am not offering any lodging; OR
 - c. I checked S(c) above and am offering lodging and meals for one night; OR
 - d. [] I checked S(c) above and am offering lodging and meals for two nights. If you checked this box, explain why the second night of lodging is warranted:



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10. Attached is a detailed agenda of the activities House invitees will be participating in during the travel (i.e., an hourly description of planned activities for trip invitees). *Indicate agenda is attached by checking box.*
11. *Check only one of the following:*
 a. I represent that a registered federal lobbyist or foreign agent will not accompany House Members or employees on any segment of the trip. *Signify that the statement is true by checking box;* OR
 b. Not Applicable. Trip sponsor is a U.S. institution of higher education.
12. For each sponsor required to submit a sponsor form, describe the sponsor's interest in the subject matter of the trip and its role in organizing and/or conducting the trip:
 Stanford University is the sole sponsor of the trip, a 501 (C)3 and an institution of higher education. Stanford seeks to promote the public welfare by exercising an influence on behalf of humanity through rigorous scholarship. Through briefings and learning engagements, Stanford faculty will provide congressional staff with the critical thinking skills related to tech policy.
13. *Answer parts a and b. Answer part c if necessary:*
 a. Mode of travel: Air Rail Bus Car Other (specify: _____)
 b. Class of travel: Coach Business First Charter Other (specify: _____)
 c. If travel will be first class, or by chartered or private aircraft, explain why such travel is warranted:
14. I represent that the expenditures related to local area travel during the trip will be unrelated to personal or recreational activities of the invitee(s). *Signify that the statement is true by checking the box.*
15. *Check only one.* I represent that either:
 a. The trip involves an event that is arranged or organized *without regard* to congressional participation and that meals provided to congressional participants are similar to those provided to or purchased by other event attendees; OR
 b. The trip involves events that are arranged specifically *with regard* to congressional participation.
 If "b" is checked:
 1) Detail the cost *per diem* of meals (approximate cost may be provided):
 Meals planned will comply with GSA per diem rates
 2) Provide the reason for selecting the location of the event or trip:
 The location of Stanford's campus will allow California based faculty to participate
16. Name, nightly cost, and reasons for selecting each hotel or other lodging facility:
 Hotel Name: The Sheraton City: Palo Alto Cost Per Night: \$245
 Reason(s) for Selecting: Across from Stanford's campus
 Hotel Name: _____ City: _____ Cost Per Night: _____
 Reason(s) for Selecting, _____
 Hotel Name: _____ City: _____ Cost Per Night: _____
 Reason(s) for Selecting: _____
17. I represent that all expenses connected to the trip will be for actual costs incurred and not a per diem or lump sum payment. *Signify that the statement is true by checking the box.*



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18. Total Expenses for each Participant:

<input type="checkbox"/> Actual Amounts	Total Transportation Expenses per Participant	Total Lodging Expenses per Participant	Total Meal Expenses per Participant
<input checked="" type="checkbox"/> Good Faith Estimates			
For each Member, Officer, or Employee	\$1000 Economy Airfare	\$735 3 nights x \$245	\$495 3 x \$165 per diem rate
For each Accompanying Family Member			

	Other Expenses (dollar amount per item)	Identify Specific Nature of "Other" Expenses (e.g., taxi, parking, registration fee, etc.)
For each Member, Officer, or Employee	\$200	Ground transportation
For each Accompanying Family Member		

NOTE: Willful or knowing misrepresentations on this form may be subject to criminal prosecution pursuant to 18 U.S.C. § 1001.

19. Check only one:

- a. I certify that I am an officer of the organization listed below; OR
- b. *Not Applicable*. Trip sponsor is an individual or a U.S. institution of higher education.

20. I certify by my signature that

- a. I read and understand the Committee's Travel Regulations;
- b. I am not a registered federal lobbyist or registered foreign agent; and
- c. The information on this form is true, complete, and correct to the best of my knowledge.

Signature, _____ Date, 07/05/2022

Name: Russell Wald Title: Director of Policy

Organization: Stanford University

Address: 450 Jane Stanford Way, Stanford, CA 94305

Email: rwald@stanford.edu Telephone: (202) 630-2724

INSTRUCTIONS

Complete the *Primary Trip Sponsor Form* and submit the agenda, invitation list, any attachments, and any *Additional Trip Sponsor Forms* directly to the Travelers.

Written approval from the Committee on Ethics is required before traveling on this trip. The Committee on Ethics will notify the House invitees directly and will not notify the trip sponsors.

Willful or knowing misrepresentation on this form may be subject to criminal prosecution under 18 U.S.C. 1001. Signatories must comply with section 104(bb) of the Travel Regulations.

For questions, please contact the Committee on Ethics at:

1015 Longworth House Office Building
Washington, D.C. 20515

ethicscommittee@mail.house.gov | 202-225-7103
More information and forms available at ethics.house.gov



U.S. House of Representatives

COMMITTEE ON ETHICS

11th Congress, H.R. 20515

August 5, 2022

Ms. Anna Lenhart
Office of the Honorable Lori Trahan
2439 Rayburn House Office Building
Washington, DC 20515

Dear Ms. Lenhart:

Pursuant to House Rule 25, clause 5(d)(2), the Committee on Ethics hereby approves your proposed trip to Stanford, California, scheduled for August 8 to 11, 2022, sponsored by Stanford University.

You must complete an Employee Post-Travel Disclosure Form (which your employing Member must also sign) and file it, together with a Sponsor Post-Travel Disclosure Form completed by the trip sponsor, with the Clerk or the House within 15 days after your return from travel. As part of that filing, you are also required to attach a copy of this letter and both the Traveler and Primary Trip Sponsor Forms (including attachments) you previously submitted to the Committee in seeking preapproval for this trip. If you are required to file an annual Financial Disclosure Statement, you must also report all travel expenses totaling more than \$415 from a single source on the "Travel" schedule of your annual Financial Disclosure Statement covering this calendar year. Finally, Travel Regulation § 404(d) also requires you to keep a copy of all request forms and supporting information provided to the Committee for three subsequent Congresses from the date of travel.

If you have any further questions, please contact the Committee's Office of Advice and Education at extension 5 7103.

Sincerely,

Handwritten signature of Theodore E. Deutch in black ink.

Theodore E. Deutch
Chairman

Handwritten signature of Michael Guest in black ink.

Michael Guest
Acting Ranking Member

TED/MG:amr



Stanford University
Human Centered
Artificial Intelligence

July 5, 2022

Dear Ms. Anna Lenhart,

On behalf of the Stanford Institute for Human-Centered Artificial Intelligence (HAI), I am pleased to invite you to the inaugural Stanford Congressional Boot Camp on Artificial Intelligence. The Boot Camp will take place August 8-11, 2022 at Stanford University,

Emerging digital technologies will be among the most consequential forces of the 21st century: they will transform economies, challenge legal and political norms, and reconfigure society. Governments attempting to navigate this era will adapt regulatory regimes, social safety nets, fiscal policies, taxation, and foreign affairs as digital technologies reshape labor markets, the industrial structure, the distribution of economic rewards, and the global balance of power.

We know that Congressional staff play a key role in shaping and developing policy on critical technology areas such as artificial intelligence (AI). Rapid advancements in AI make it challenging for many to keep up with a quickly evolving field. That is why the Stanford Institute for Human-Centered AI (HAI) specifically designed the Congressional Boot Camp on Artificial Intelligence to explore the latest in AI developments, equipping participants with the comprehensive knowledge needed to think critically about regulating and governing this emerging technology.

The bicameral, bi-partisan Boot Camp consists of many sessions unpacking what AI means for international security, future of work, healthcare, and includes field trips to Stanford labs for interactive experiences. Each session will feature world-class scholars from Stanford University, leaders from Silicon Valley, and pioneers from Civil society organizations.

We hope you will accept this invitation to join us in-person in August. To formally join us, you must fill out the participation form, turn in your ethics paperwork by Friday, July 8th, and alert HAI's Policy Program Manager, Tina Huang, (tina.huang@stanford.edu), that you have done so. In the meantime, please mark your calendars and contact Tina if you have any questions. We look forward to welcoming to Stanford's campus, "the Farm," this August.

Sincerely,

A handwritten signature in black ink, appearing to read 'Russell C. Wald'. The signature is written in a cursive, slightly slanted style.

Russell C. Wald
Director of Policy

List of Attendees:

1. Zachary Isakowitz
2. Stanton Johnson
3. Anna Lenhart
4. Kylie Patterson
5. Vincent Evans

Note: Stanford HAI originally purchased a group flight early on at \$1,157.95 per economy class round trip. However, HAI had to purchase additional flights as the final cohort exceeded our previous group flight purchase. At the time of the second group flight purchase, flights increased to \$1,291.25.

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The following list are House staffers who are invited to the Stanford HAI Boot Camp on Artificial Intelligence. These staffers work on artificial intelligence related policy issues in key personal offices or committees.

Lillie Coney, Chief of Staff for Rep. Sheila Jackson Lee
Jennifer Epperson, Senior Counsel for the Energy and Commerce Committee
Rob Hicks, Legislative Director for Rep. Jay Obernolte
Zachary Isakowitz, Legislative Director for Rep. Michael McCaul
Stanton Johnson, Deputy Chief Counsel for the Committee on Science, Space and Technology
Kyle Klein, Staff Director for the Committee on Homeland Security
Michael Koren, Senior Professional Staff for the Judiciary Committee
Anna Lenhart, Senior Technology Policy Advisory for Rep. Lori Trahan
Sean Misko, Senior Professional Staff Member for the Permanent Select Committee on Intelligence
Vincent Evans, Executive Director of the Congressional Black Caucus
Lori Prater, Policy Director and Trade Counsel for Rep. Mike Kelly
Brent Blevins, Senior Policy Advisor for the Committee on Science, Space and Technology
Dwayne Clark, Legislative Assistant for Rep. Robert Aderholt
Hannah Anderson, Energy and Commerce Policy Director for Rep. Dan Crenshaw
Chelsea Crittle, Senior Professional Staff for the Committee on Financial Services
Esther Kahng, Chief Counsel for the Committee on Financial Services
Patricia Clarke, Legislative Assistant for Rep. Anthony Gonzalez
Sruthi Prabhu, Senior Policy Advisor for Rep. Trey Hollingsworth
Selene Ceja, Legislative Assistant for Rep. Ro Khanna
Madison Aston, Associate Professional Staff Member for the Permanent Select Committee on Intelligence
Mark Akpaninyie, Indo-Pacific Policy Analyst for the Committee on Foreign Affairs
Cam Madsen, Legislative Director for Rep. Chris Stewart
Kylie Patterson, Director of Diversity and Inclusion for the Committee on Financial Services
Nawaid Ladak, Legislative Director for Rep. Eddie Bernice Johnson



SYLLABUS

COURSE DESCRIPTION:

Emerging digital technologies-in particular artificial intelligence (AI)-are among the most consequential forces of the 21st century. They are transforming economies, challenging legal and political norms, and reconfiguring society. Governments attempting to navigate this era must adapt regulatory regimes, social safety nets, fiscal policies, taxation, and foreign affairs as digital technologies continue to reshape labor markets, business, the distribution of economic rewards, and the global balance of power.

Congressional staff play a key role in shaping and developing policy on critical technology areas such as AI, yet rapid advancements in AI make it challenging for many to keep up with the quickly evolving field. The Stanford Institute for Human-Centered AI (HAI) designed this boot camp specifically for congressional staff to explore the latest in AI developments, equipping participants with the comprehensive knowledge needed to think critically about regulating and governing this emerging technology.

AI is not solely a technical matter, though it is easy for policy analysts and others to get lost in the technical details. Understanding the impact of AI on society is a multifaceted enterprise that requires expertise from computer science, economics, law, medicine, political science, psychology, and a host of other disciplines. To that end, the boot camp draws upon the knowledge of multidisciplinary AI experts in academia, as well as leaders from civil society and industry.

This bicameral, bipartisan boot camp consists of many sessions that seek to unpack what AI means for international security, the future of work, healthcare, and more - and it also includes a field trip to the Stanford Virtual Human Interaction Lab for a hands-on experience. We hope all participants will leave the boot camp with the conceptual framework needed to address the emerging technology landscape today and better anticipate the challenges of tomorrow.



DAY 1: MONDAY, AUGUST 8, 2022

9:31am Flight Arrives at SFO airport

9:31am -11:15am **Travel to hotel and campus**

11:15am -11:30am **WELCOME SESSION AND LUNCH**

Speakers:

John Robichaux, Director of Education, Stanford HAI

Russell Wald, Director of Policy, Stanford HAI

Stanford HAI staff will welcome congressional staffers to campus and provide an overview of why the boot camp was created and what Stanford HAI hopes for participants to gain.

11:30am -12:30pm **SESSION 1: MAPPING THE AI LANDSCAPE**

Speaker:

Peter Norvig, Distinguished Education Fellow, Stanford HAI; Director of Research, Google

Session Description:

This session will cover the basic concepts of AI, including compute power, neural networks, narrow vs. general AI, gradient descent, and more. It will also provide a bird's-eye view of the AI landscape, covering different AI techniques such as deep learning, computer vision, natural language processing, and supervised and unsupervised learning. Participants will walk away with a greater understanding of the primary aspects of AI and be better prepared for the boot camp.

Learning Objectives:

Build a foundational understanding of AI and its stages of development; recognize that AI is not simply coding and computer science but requires interdisciplinary analysis.

12:30pm-1:30pm **SESSION 2: MITIGATING RISK: IMPLEMENTING SAFE AND ROBUST AI**

Speakers:

Anthony Corso, Executive Director, Stanford Center for AI Safety; Aeronautics and Astronautics Postdoctoral Researcher, Stanford University

Mykel Kochenderfer, Associate Professor of Aeronautics and Astronautics and, by courtesy, of Computer Science, Stanford University; Faculty Affiliate, Stanford HAI

Session Description:

The consequences of deploying robust AI and decision-making technologies in safety critical systems such as driverless vehicles and autonomous aircraft are enormous. Challenges for AI developers range from biased inputs, constantly evolving conditions, and explainability issues, among others. This session will discuss the obstacles developers face as well as the difficult- and often politically fraught-decisions they make around operational efficiency and how they define acceptable risk parameters.

Learning Objectives:

What makes an AI system robust, and in turn, what makes an AI system brittle; why it is challenging for developers to mitigate or eliminate all safety risks in an AI system; best approaches to deploying AI and ensuring safe outcomes.



1:30pm - 1:45pm Break

1:45pm ♦ 2:45pm

SESSION 3: THE FUEL OF AI: DATA (AND ITS PERILS)

Speakers:

Jennifer King, Privacy and Data Policy Fellow, Stanford HAI

Terah Lyons, (moderator), Executive In Residence, Zetta Venture Partners;

Member of the HAI Index Steering Committee and Affiliated Fellow, Stanford HAI

James Zou, Assistant Professor of Biomedical Data Science, Stanford University; Faculty Affiliate, Stanford HAI

Session Description:

Contemporary AI technologies run on data, but AI developers face significant obstacles in acquiring and cleaning data. In addition, developers must do their best to ensure data's inherent biases (and their non-obvious proxies) are accounted for in their AI systems. Moreover, different social values around privacy, data ownership, and data creation impact what AI technologies are possible. This session will dive into how the data policies developed today will shape the technologies of tomorrow.

Learning Objectives:

Understand the recent data boom and how it has contributed to AI advancements; obstacles of collecting and cleaning data; different ways in which data can be biased; how policies around data and privacy can have ripple effects in the data economy.

2:45pm - 3:30pm

SESSION 4: AI, AUTOMATION, AND THE FUTURE OF WORK

Speaker:

Erik Brynjolfsson, Director, Stanford Digital Economy Lab; Jerry Yang and Akiko Yamazaki Professor and Senior Fellow, Stanford HAI; Ralph Landau Senior Fellow, Stanford Institute for Economic Policy Research

Session Description:

AI and automation will have a rippling effect on today's workforce and the future of work. Mainstream narratives forecast AI will displace workers and funnel profits up to a select few. Alternatively, AI has the potential to augment and supercharge labor, ensuring the benefits of AI are spread and enjoyed widely. This session dives into deeper detail regarding what exactly we should expect as AI and automation integrate into the economy and the subsequent consequences for the workforce. The panelists will also discuss how policies can reshape and guide what the future holds.

Learning Objectives:

How AI and automation are expected to shift the current state of the workforce; ways to ensure the benefits and wealth of AI in the economy are enjoyed by most and not merely a few.

3:30pm - 3:45pm

Break/Walk to Gates



3:45pm - 4:45pm

SESSION 5: UNDERSTANDING THE BASICS OF FOUNDATION MODELS

Speakers:

Rishi Bommasani, Computer Science Ph.D. Candidate, Stanford University

Percy Liang, Associate Professor of Computer Science, Stanford University; Director, Stanford Center for Research on Foundation Models; Faculty Affiliate, Stanford HAI

Session Description:

Recently, a new successful paradigm for building AI systems has emerged: train one model on a significant amount of data and adapt it to numerous applications. We have deemed such a model a foundation model. This session unpacks how foundation models were created and deployed, the requirements to build one, expected and unexpected consequences of these models, and other hot topics surrounding the use of large AI models.

Learning Objectives:

What differentiates foundation models from regular AI models; the exciting potential and concerning societal consequences of foundation models; speculating the future of foundation model research.

4:45pm - 5:30pm

KEYNOTE FIRESIDE CHAT CUTTING EDGE: AI DEVELOPMENTS THAT ARE STEERING THE FUTURE

Speakers:

Fei-Fei Li, Sequoia Professor of Computer Science, Stanford University; Denning Co-Director, Stanford HAI

James Manyika, Vice Chair, National Artificial Intelligence Advisory Committee; Advisory Council Member and Distinguished Fellow, Stanford HAI; Senior Vice President of Technology and Society, Google

The rapid advancements in AI in recent years have shocked the world. From models generating realistic images from scratch to ambient technologies that enhance the human condition, the possibilities of what AI can do for humanity are endless. Understanding today's cutting-edge AI will help steer tomorrow's innovation. This session will dive into what is on the horizon of AI advancements and how these technologies can be leveraged to benefit society.

Learning Objectives:

Delve into recent significant AI advancements; explore different ways AI can be leveraged to benefit society; speculate on new AI technologies on the horizon.

5:30pm - 7:00pm

Dinner



DAY 2: TUESDAY, AUGUST 9, 2022

8:30am - 9:00am

Breakfast/Debrief

Speakers:

John Robichaux, Director of Education, Stanford HAI

Russell Wald, Director of Policy, Stanford HAI

Stanford HAI staff will lead a discussion debriefing the key concepts that staffers learned in earlier sessions. They will also offer a preview of Day 2 and leave ample time for questions.

9:00am -10:00am

SESSION 1: HOW AI WILL SHAPE THE FUTURE OF INTERNATIONAL SECURITY AND U.S. INTELLIGENCE

Speakers:

Brad Boyd (moderator), Visiting Fellow, Hoover Institution

Harold Trinkunas, Deputy Director and Senior Research Scholar, Stanford Center for International Security and Cooperation

Amy Zegart, Senior Fellow, Stanford Freeman Spogli Institute for International Studies;

Morris Arnold and Nona Jean Cox Senior Fellow, Hoover Institution; Chair, Steering Committee on International Security, Stanford HAI

Session Description:

Spying has never been more ubiquitous-or less understood. This crisis in intelligence education is fueling conspiracy theories and hurting intelligence policy. At the same time, AI is introducing new opportunities to strengthen U.S. intelligence capabilities, but only if decision makers understand how the U.S. intelligence community and AI technologies actually work. This session will separate fact from fiction as panelists discuss the past, present, and future of American espionage and how AI is creating an adapt-or-fail moment for U.S. intelligence agencies.

Learning Objectives:

History and present of U.S. intelligence; implications of AI on intelligence and international security

10:00am -10:15am

Break



10:15am -11:15am

SESSION 2: DIGITAL DUPES: HOW AI IS DISTORTING TRUTH THROUGH DISINFORMATION AND DEEPFAKES

Speakers:

Andrew Grotto, Director, Program on Geopolitics, Technology, and Governance, Stanford Cyber Policy Center; William J. Perry International Security Fellow, Stanford Center for International Security and Cooperation; Visiting Fellow, Hoover Institution
Riana Pfefferkorn, Research Scholar, Stanford Internet Observatory, Stanford Cyber Policy Center

Session Description:

The rapid spread of disinformation has challenged societies and deepened mistrust, threatening to erode democratic values. Furthermore, synthetic media from the advent of generative adversarial networks (GANs) has created deceptively realistic images and videos-known as deepfakes-that are indistinguishable from reality. These developments are leading to an information crisis where consumers are becoming less certain of the veracity of the content they encounter. This session will dive into how AI has changed the information ecosystem and how policy can help protect people from fake content.

Learning Objectives:

How AI can be used to deceive people; impact of deception or the spread of disinformation; policy opportunities and challenges to address fake content.

11:15am -12:15pm

SESSION 3: THE CHINA CHALLENGE: DEVELOPING HUMAN-CENTERED AI WITH AN AUTHORITARIAN COMPETITOR

Speakers:

Oriana Mastro, Center Fellow, Stanford Freeman Spogli Institute for International Studies
Graham Webster, Research Scholar and Editor-in-Chief, DigiChina, Stanford Cyber Policy Center
Daniel Zhang (moderator), Policy Research Manager, Stanford HAI

Session Description:

China remains one of the most complex geopolitical challenges for the United States. The Chinese government has made clear its intention to be the leader in AI and other key dual-use technologies to secure an economic, political, and military advantage. Furthermore, the Chinese Communist Party uses AI technology to commit human rights abuses at home and abroad in a fundamentally anti-democratic manner. How can the U.S. maintain human-centered values in its technology and remain a global leader that advances an international order using technology for society's benefit? This session will dive deeply into the nuances of Sino-American relations and how the U.S. can maintain its technological superiority.

Learning Objectives:

Brief history of U.S.-China relations; differing innovation ecosystems in each country; China's intention and strategy for becoming a global leader in AI and how the U.S. compares,



12:15pm - 1:00pm Lunch

1:00pm - 2:00pm **SESSION 4: THE POSSIBILITIES AND PITFALLS OF AI AND CLIMATE SUSTAINABILITY**

Speakers:

Rayne Sullivan, Graduate Fellow, Stanford HAI

Marshall Burke, Associate Professor of Earth System Science, Stanford University; Deputy Director, Stanford Center on Food Security and the Environment; Senior Fellow, Stanford Freeman Spogli Institute for International Studies

Session Description:

The risks and threats stemming from global climate change are becoming a paramount issue for policymakers. At the same time, the rapid advancements of AI have presented possible opportunities to use this technology to help tackle our greatest climate challenges, from achieving net-zero emissions to preparing for extreme weather events. Conversely, AI continues to increasingly rely on compute power, which is an energy-intensive resource and contributes to the emission of CO₂. As a result, there is mounting concern around AI's environmental impact, drawing attention to the cost-benefit analysis of AI advancements. This session will unpack how AI can be used to help confront climate change while also better understanding AI's own ripple effects in the environment.

Learning Objectives:

How AI can help address climate challenges; the carbon footprint of large-scale models.

2:00pm - 4:00pm Hotel Break

4:00pm - 5:00pm **SESSION 5: FROM STARTUPS TO GIANTS: INDUSTRY PERSPECTIVES ON INNOVATION**

Speakers:

Jack Clark, Co-Founder, Anthropic; Co-Chair of the AI Index Steering Committee, Stanford HAI
Vilas Dhar (moderator), President and Trustee, Patrick J. McGovern Foundation; Advisory Council Member, Stanford HAI

Rachel Gillum, Vice President, Ethical and Humane Use of Technology, Salesforce; Affiliate, Stanford Immigration Policy Lab

John Hennessy, President Emeritus, Stanford University; Chairman of the Board, Alphabet Inc.; Advisory Council Member, Stanford HAI

Susan Liataud, Founding and Managing Director, Susan Liataud & Associates limited; Advisory Council Member, Stanford HAI



Session Description:

Silicon Valley, which is home to venture capital, startups, and leading tech firms, is a global center of tech innovation. From the startup lab to the boardrooms of major companies, this session will bring together startup founders and tech executives to map out Silicon Valley's innovation ecosystem, discuss its vibrancy, and critically think about the consequences of AI developments on society. Panelists will offer their perspectives on starting, funding, and running successful companies as well as providing counsel to companies on ensuring ethical business practices.

Learning Objectives:

Understand the Silicon Valley innovation ecosystem; unique challenges and opportunities startups and large firms face; industry perspective of how policy impacts their ability to grow their firms.

5:00pm - 6:00pm Reception

6:00pm - 7:30pm **KEYNOTE DINNER, DEMOCRACY IN A WORLD OF AI-FUELED DISINFORMATION AND DIGITAL AUTHORITARIANISM**

Speakers:

Daniel Ho (moderator), William Benjamin Scott and Luna M. Scott Professor of Law, Stanford Law School; Director, Stanford Regulation, Evaluation, and Governance Lab; Faculty Associate Director, Stanford HAI; Member, National Artificial Intelligence Advisory Committee

Francis Fukuyama, Olivier Nornellini Senior Fellow, Stanford Freeman Spogli Institute for International Studies; Director, Susan Ford Dorsey Master's in International Policy, Stanford University; Faculty Affiliate, Stanford HAI

Condoleezza Rice, Tad and Dianne Taube Director, Hoover Institution; Denning Professor in Global Business and the Economy, Stanford Graduate School of Business; Advisory Council Member, Stanford HAI

Session Description:

The introduction of AI into society has had ripple effects on governments worldwide. Disinformation spreading on digital platforms-further amplified by AI-has had real-world consequences on democracy. Additionally, authoritarian countries are leveraging AI to further surveil and control their populations. The future of democracy hangs in the balance of making sure AI is used to affirm democratic systems and reinforce norms and values for the betterment of humanity. This dinner discussion will unpack the complexities of AI as it intertwines with different governments and considers how to ensure democracy prevails in a digital world.

Learning Objectives:

How AI can strengthen or undermine democracy; varying consequences of AI as it integrates into different government systems.



DAY 3: WEDNESDAY, AUGUST 10, 2022

8:30am - 9:00am

Breakfast

Speakers:

John Robichaux, Director of Education, Stanford HAI

Russell Wald, Director of Policy, Stanford HAI

Stanford HAI staff will lead a discussion reviewing key concepts from the first two days of the boot camp. They will also offer a preview of Day 3 and leave ample time for questions.

9:00am - 10:00am

**SESSION 1: REVOLUTIONIZING THE CLASSROOM:
HOW AI IS ADVANCING EDUCATION**

Speakers:

Emma Brunskill, Associate Professor of Computer Science, Stanford University; Faculty Affiliate, Stanford HAI

John Robichaux (moderator), Director of Education, Stanford HAI

Daniel Schwartz, James Quillen Dean and Nornellini & Olivier Professor of Educational Technology, Stanford University; Faculty Affiliate, Stanford HAI

Session Description:

AI has the potential to dramatically improve education. From teacher support to personalized student engagement, AI could democratize extraordinary teaching and learning. But dangers and concerns loom. Collecting data from children raises privacy concerns, and current inequities in the education system might be exacerbated by the introduction of AI. This session will look into how AI can be leveraged to improve the education system without causing harm to students and teachers.

Learning Objectives:

AI's potential to improve education; possible risks of introducing AI in education, especially with regard to children.



10:00am -11:00am

**SESSION 2: THE NEW CREATIVE INDUSTRY:
HOW AI IS RESHAPING ARTS AND CULTURE**

Speakers:

Michele Elam, William Robertson Coe Professor of Humanities, Stanford University;
Faculty Associate Director, Stanford HAI

Kamal Sinclair, Senior Director of Digital Innovation, The Music Center

Session Description:

Artistic and cultural expression is one of the hallmarks of advanced societies. Today we understand the intersection of arts and culture with wellness, innovation, creativity, diversity, and health. AI is expanding artistic and cultural expression, opening up new possibilities for our state, local, and federal arts and culture programs. This session will explore why and how AI needs to be more integrated with the humanities and arts in order to contribute to human flourishing, especially when it comes to social justice.

Learning Objectives:

How is AI reshaping arts and culture; new opportunities for federal arts and culture programs

11:00am -11:15am

Break

11:15am -12:15pm

SESSION 3: TRANSFORMING HEALTHCARE THROUGH INNOVATION

Speakers:

Alyce Adams, Medicine Innovation Professor, Professor of Epidemiology and Population Health, of Health Policy, and, by courtesy, of Pediatrics, Stanford University

Matthew Lungren, Chief Medical Information Officer, Nuance Communications, a Microsoft Company; Associate Clinical Professor, University of California San Francisco; Associate Fellow, Stanford Center for Artificial Intelligence in Medicine & Imaging

Sherril Rose (moderator), Associate Professor of Health Policy, Stanford University; Co-Director, Stanford Health Policy Data Science Lab; Faculty Affiliate, Stanford HAI

Session Description:

Some of the most exciting advances of this technological wave are focused on healthcare: faster and better diagnoses, enhanced therapies, increased hospital standards which reduce patient harms, and protein folding which has the potential to cure debilitating diseases. Healthcare is on the cusp of a revolution that will advance human well-being. At the same time, the United States faces an incredible shortage of qualified healthcare workers, lacks proper evaluation of medical devices, and struggles with unclear liability risk/clinician responsibility. These mounting challenges raise the question, can AI help "save" the U.S. healthcare system? This session will highlight the coming changes in healthcare; the opportunities and risks AI presents, and how policies can ensure safe and robust health systems.

Learning Objectives:

Recent medical AI advancements; future opportunities for AI in healthcare; risks and consequences of using AI in healthcare.



12:15pm - 1:30pm

**SESSION 4 (LUNCH): MODERNIZING A MAMMOTH:
USE-CASES OF PUBLIC SECTOR AI**

Speaker:

Daniel Ho, William Benjamin Scott and Luna M. Scott Professor of Law, Stanford Law School; Director, Stanford Regulation, Evaluation, and Governance Lab; Faculty Associate Director, Stanford HAI

Session Description:

The U.S. government is in great need of a technological upgrade. From streamlining administrative processes to providing personalized services to constituents, there is ample opportunity for AI to help government agencies achieve their missions. However, integrating AI into the government is not as easy as obtaining and deploying the technology. Talent, infrastructure, public trust, and morale play equally important roles in ensuring the successful modernization of government. This session will dive into current use-cases of AI in government, the challenges and successes of these cases, and how to improve the integration of new technologies that will help the government serve its citizens.

Learning Objectives:

Challenges of AI integration in government; different types of AI use-cases for government; various factors needed to ensure AI integration is successful.

1:30pm - 1:45pm

Break

1:45pm - 2:45pm

**CLOSING KEYNOTE SESSION 5: THE NEUROSCIENCE OF ADDICTION
AND IMPLICATIONS FOR A DIGITAL WORLD**

Speakers:

Jennifer King, Privacy and Data Policy Fellow, Stanford HAI

Anna Lembke, Professor of Psychiatry and Behavioral Science, Stanford School of Medicine; Chief of the Stanford Addiction Medicine Dual Diagnosis Clinic

Session Description:

This is a time of unprecedented access to high-reward, high-dopamine stimuli: drugs, food, news, gambling, shopping, gaming, texting, Facebooking, Instagramming, YouTubeing, tweeting . . . The increased numbers, variety, and potency are staggering. As such, we've all become vulnerable to compulsive overconsumption. Yet, it is possible to find contentment and connectedness by keeping dopamine in check. This session will provide a practical, science-informed approach to addressing compulsive overconsumption of everything from food, to sex, to video games.

Learning Objectives:

Describe the neuroscience of pleasure and pain and what happens in the brain as we become addicted; explain homeostasis and how repeated exposure to drugs of all kinds tilts the hedonic set-point to the side of pain; identify *dopamine fasting* as a practical, feasible, and effective way to reset reward pathways; review the science of hormesis: How intentionally engaging in pain/discomfort can improve mood and well-being



2:45pm - 4:15pm

SESSION 6: TRIP TO THE STANFORD VIRTUAL HUMAN INTERACTION LAB

Speaker:

Jeremy Bailenson, Founding Director, Stanford Virtual Human Interaction Lab; Thomas More Storke Professor of Communication, Stanford University

Session Description:

Staffers will take a trip to Stanford's Virtual Human Interaction Lab (VHIL) to get hands-on experience in virtual and augmented reality technology (VR/AR). This session will dive into how VR/AR will transform society, how to create VR/AR that will enhance and not detract from reality, and the psychological processes that people undergo while using VR/AR.

Learning Objectives:

The difference between AR and VR; various applications of AR/VR; how VR/AR impacts human reality and experiences.

4:15pm - 4:30pm

Walk to Gates

4:30pm - 6:30pm

CLOSING DINNER

Speaker:

Tina Huang, Policy Program Manager, Stanford HAI

The final dinner will recap the entire boot camp, solicit feedback on what staffers enjoyed, and invite suggestions for areas of improvement. Senior HAI staff and directors will lead this conversation.

DAY 4: AUGUST 11, 2022

6:00am

Shuttle leaves hotel to SFO airport