

Truth in Testimony Disclosure Form

In accordance with Rule XI, clause 2(g)(5)*, of the *Rules of the House of Representatives*, witnesses are asked to disclose the following information. Please complete this form electronically by filling in the provided blanks.

Committee: Ways and Means

Subcommittee: Trade

Hearing Date: July 23, 2020

Hearing Title

Trade, Manufacturing, and Critical Supply Chains: Lessons from COVID-19

Witness Name: Erica R.H. Fuchs

Position/Title: Professor, Department of Engineering and Public Policy, Carnegie Mellon Univ.

Witness Type: Governmental Non-governmental

Are you representing yourself or an organization? Self Organization

If you are representing an organization, please list what entity or entities you are representing:

If you are a **non-governmental witness**, please list any federal grants or contracts (including subgrants or subcontracts) related to the hearing's subject matter that you or the organization(s) you represent at this hearing received in the current calendar year and previous two calendar years. Include the source and amount of each grant or contract. *If necessary, attach additional sheet(s) to provide more information.*

See attachment.

If you are a **non-governmental witness**, please list any contracts or payments originating with a foreign government and related to the hearing's subject matter that you or the organization(s) you represent at this hearing received in the current year and previous two calendar years. Include the amount and country of origin of each contract or payment. *If necessary, attach additional sheet(s) to provide more information.*

See attachment.

False Statements Certification

Knowingly providing material false information to this committee/subcommittee, or knowingly concealing material information from this committee/subcommittee, is a crime (18 U.S.C. § 1001). This form will be made part of the hearing record.

Erica W. Suchs

Witness signature

July 21, 2020

Date

If you are a non-governmental witness, please ensure that you attach the following documents to this disclosure. Check both boxes to acknowledge that you have done so.

- Written statement of proposed testimony
- Curriculum vitae

*Rule XI, clause 2(g)(5), of the U.S. House of Representatives provides:

(5)(A) Each committee shall, to the greatest extent practicable, require witnesses who appear before it to submit in advance written statements of proposed testimony and to limit their initial presentations to the committee to brief summaries thereof.

(B) In the case of a witness appearing in a nongovernmental capacity, a written statement of proposed testimony shall include a curriculum vitae and a disclosure of any Federal grants or contracts, or contracts or payments originating with a foreign government, received during the current calendar year or either of the two previous calendar years by the witness or by an entity represented by the witness and related to the subject matter of the hearing.

(C) The disclosure referred to in subdivision (B) shall include—

(i) the amount and source of each Federal grant (or subgrant thereof) or contract (or subcontract thereof) related to the subject matter of the hearing; and

(ii) the amount and country of origin of any payment or contract related to the subject matter of the hearing originating with a foreign government.

(D) Such statements, with appropriate redactions to protect the privacy or security of the witness, shall be made publicly available in electronic form not later than one day after the witness appears.

Truth in Testimony Disclosure Form
Attachments
for
Erica R.H. Fuchs

If you are a non-governmental witness, please list any federal grants or contracts (including subgrants or subcontracts) related to the hearing's subject matter that you or the organization(s) you represent at this hearing received in the current calendar year and previous two calendar years. Include the source and amount of each grant or contract. If necessary, attach additional sheet(s) to provide more information.

Principal Investigator

1. With co-PIs Valerie Karplus and Granger Morgan. An Open-Source Decision Tool to Identify and Support Responses to Emergent Constraints in the Medical Supply Chain. **Block Center for Technology and Society. Carnegie Mellon University.** Approved. Requested amount: \$75,000. Final amount to be determined.
2. Accelerating U.S. Competitiveness in Integrated Photonics: Quantifying Workforce Training Needs. **SUNY (Albany) / U.S. Air Force Research Lab (AFRL).** Contract funded through **AIM Photonics.** \$100,000
3. Worker Resilience and Innovation in U.S. Manufacturing. **The Keystone Research Center.** \$40,000 gift.
4. EPP Project Course on Technology Development Zones: The Case of Neighborhood 91. **The Barnes Group Advisors.** \$5000 gift.
5. EPP Project Course on Technology Development Zones: The Case of Neighborhood 91. **Allegheny County Airport Authority.** \$20,000 gift.
6. With Co-PIs Laurence Ales, Brian Kovak, Katie Whitefoot. Not all Technologies are Equal: Measuring and Disentangling the Labor Effects of Technology Change in Manufacturing. **National Science Foundation (NSF) Science of Science and Innovation Policy Program.** \$649,959
7. With co-PIs Alex Davis, Parth Vaishnav, and Aarti Singh. Accelerating Navy Readiness: Expert Guided Machine Learning Algorithms for AM Candidates. **U.S. Navy (NAVSUP)** Sole Source Agreement funded through America Makes. July 2019-November 2019. \$250,000. (\$200,000 to CMU, \$50,000 to America Makes.)

8. With co-PI Katie Whitefoot. The Cost of Complexity and the Value of Simplification. **Kennametal Corporation**. September 2018-August 2019. \$140,000 gift.
9. With co-PIs Laurence Ales, Brian Kovak, and Katie Whitefoot. Technology Change in Manufacturing and Labor Outcomes: Not all Technologies are Equal. **National Bureau of Economic Research** (funds from the Kaufmann Foundation). July 2018-June 2019. \$20,000

Co-Principal Investigator

1. PI: Anthony Rollett, co-PIs Fuchs, E., Beuth J., Holm, L. Shimada, Wicker, To, Lewandowski, Stebner, Narra. Development of an Ecosystem for Qualification of Additive Manufacturing Processes and Materials in Aviation. **NASA-ULI**. September 2019-August 2022. \$5,975,829
2. PI: Kovak, Brian, Co-PIs Ales, L., Fuchs, E., Whitefoot, K. Emerging Manufacturing Technologies and the Demand for Skills. **Russell Sage Foundation**. Grant # 1808-07627. April 1, 2019 – November 30, 2020. \$149,244
3. PI: Kovak, Brian, Co-PIs Ales, L., Fuchs, E., Whitefoot, K. Emerging Manufacturing Technologies and the Demand for Skills. **Carnegie Mellon University Manufacturing Futures Initiative**. September 2018-August 2019. \$132,931.
4. PI: Davis, Alex, Co-PIs Fuchs, E., Kara, B., Poczos, B., Singh, A., Whitefoot, K. Accelerating Metal Additive Manufacturing Commercialization and Military Readiness: Expert guided machine learning to identify candidate parts and subassemblies for additive manufacturing. **Carnegie Mellon University Manufacturing Futures Initiative**. September 2018-August 2019. \$177,799
5. PI: Whitefoot, Katie, Co-PI Fuchs, E. Cost-competitive Mass Customization for Non-Assembly Manufacturing Environments in the Greater Pittsburgh Region. **Pennsylvania Infrastructure Technology Alliance (PITA)**. January 1, 2018-December 31, 2018. \$70,000.

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1. Invited Speaker. Launch by the Joint Research Centre of the European Commission (JRC)'s report on China: Challenges and Prospects from an Industrial Powerhouse. Brussels, Belgium. May 23, 2019. The European Commission reimbursed travel costs, accommodation, and daily allowances for a period as close as possible to the meeting dates and time. Total Reimbursement: \$10,232,43 USD.
2. Invited Speaker and Participant. "EIC Programme Managers Workshop -- identifying, developing and deploying breakthrough and disruptive innovation." Expert Workshop with the European Commission on the Implementation of the European Innovation Council (EIC) -- "a DARPA-like organization focused on market-oriented technologies). Workshop launched and concluded by Carlos Moedas, European Commissioner for Research, Science, and Innovation. Brussels, Belgium. February 22, 2019. The European Commission reimbursed travel expenses, a daily allowance per meeting day, and an accommodation allowance in accordance with their Reimbursement of Expert's Expenses rules. Total Reimbursement \$8876.92 USD.