NATIONAL ACADEMIES *Sciences Engineering Medicine*

**Location Data in the Context of Public Health, Research, and Law Enforcement:
An Exploration of Governance Frameworks – A Workshop**

June 8-9, 2022

*AGENDA*

**Wednesday, June 8, 2022**

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|---|---|
| 11:30 am* | **Welcome** |

Planning Committee Co-chairs:  **Caroline Buckee,**\*\* Harvard T.H. Chan School of Public Health
**Paul Ohm,**\*\* Georgetown University Law Center

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| 11:45 am | **The Collection of Location Data** |

Moderator:      **Navin Vembar,**\*\* Atlassian

Panelists:       **Tom Lee**, Mapbox
**Eugenia Giraudy**, Meta
**Julia Angwin**, *The Markup*
**Rebecca Williams**, American Civil Liberties Union

Topics:

- Mechanisms used to collect location data
- Location data granularity and coverage
- How location data is used privately and publicly
- How location data is shared and sold

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| 12:30 pm | **Discussion with Committee** |

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| 12:55 pm | **Q&A with Audience** |

| 1:10 pm | **Break** |
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| 1:25 pm | **Aggregation and Anonymization of Location Data: The State of the Art** |
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Moderator:    **Yves-Alexandre de Montjoye,\*\*** Imperial College London

Panelists:    **Michael Platzer**, MOSTLY.AI
                 **Uttara Sivaram**, Uber
                 **Gerome Miklau**, Tumult Labs, Inc. / University of Massachusetts Amherst

Topics:

- Common uses of and analytic methods applied to location data
- Data de-identification and aggregation practices and the degree to which they are standardized and protective of privacy
- The tailoring of data use and granularity to research needs

| 2:05 pm | **Discussion with Committee** |
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| 2:25 pm | **Q&A with Audience** |
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| 2:40 pm | **Break** |
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| 2:55 pm | **Location Data Use Cases** |
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Moderator:    **Caroline Buckee,\*\*** Harvard T.H. Chan School of Public Health

Panelists:    1) Disasters/Crises/Urban Resilience

                 **Chao Fan**, Texas A&M University
                 **Andrew Schroeder**, Direct Relief

    2) Public Health

                 **Amy Wesolowski**, Johns Hopkins University School of Public Health
                 **Birgitte Freiesleben de Blasio**, Norwegian Institute of Public Health

3) Law Enforcement/National Security

**David Kris**, National Security Institute

Topic:

- The efficacy of mobility data to achieve the research purposes for which it is used, especially given the involvement of unspecialized corporate actors in many of these efforts, and the absence of uniform data quality and methodological standards

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| 3:40 pm | **Discussion with Committee** |

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| 4:05 pm | **Q&A with Audience** |

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| 4:20 pm | **Adjourn** |

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*Engineering*
*Medicine*

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**Thursday, June 9, 2022**

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|---|---|
| 11:00 am* | **Welcome** |

Planning Committee Co-chairs:  **Caroline Buckee,** Harvard T.H. Chan School of Public Health
**Paul Ohm,** Georgetown University Law Center

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|---|---|
| 11:05 am | **Location Data: Privacy Concerns and Risks of Harm** |

Moderator:  **Paul Ohm,** Georgetown University Law Center

Panelists:  **Kirsten Martin,** University of Notre Dame
**Danielle Citron,** University of Virginia Law School
**Woodrow Hartzog**, Northeastern University School of Law

Topics:

- What precise location information about individuals reveals about private conduct and habits
- Potential risks of harm of the collection and use of location information by public health and other researchers and law enforcement
- How risks of harm can be reduced or mitigated
- Risks to groups or society

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| 11:35 am | **Discussion with Committee** |

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| 11:55 am | **Q&A with Audience** |

| 12:10 pm | **Location Data and Community** |
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Moderator:      **Jasmine E. McNealy,\*\*** University of Florida

Panelists:       **Megan Doerr**, Sage Bionetworks
                  **Joon-Ho Yu**, University of Washington
                  **Sabelo Mhlambi**, Harvard University
                  **Dragana Kaurin**, Localization Lab

Topics:

- Implications of location data for privacy and connected democratic principles, as well as disparate impacts on historically vulnerable populations
- Public awareness of the collection and use of location and proximity data, as well as the role of voluntary participation and consent
- The degree to which collection, retention, and sharing of data are appropriate and tailored, in scope and in substance, to the purposes for which they are used

| 12:55 pm | **Discussion with Committee** |
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| 1:20  pm | **Q&A with Audience** |
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| 1:35 pm | **Break** |
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| 1:55 pm | **Location Data Governance** |
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Moderator:      **Stephanie Pell,\*\*** The Brookings Institution

Panelists:       **Albert Gidari**, Stanford University
                  **Maneesha Mithal**, Wilson Sonsini Goodrich & Rosati
                  **Margot Kaminski**, University of Colorado Law School

Topics:

- Governance frameworks for the use of location data and how they vary in the contexts of public health, academic research, and law enforcement
- Gaps in governance frameworks

| 2:25 pm | **Discussion with Committee** |
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| 2:45 pm | **Q&A with Audience** |
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| 3:00 pm | **New Approaches to the Governance of the Use of Location Data** |
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Moderator:    **Paul Ohm,\*\*** Georgetown University Law Center

Panelists:    **Nathan Wessler**, American Civil Liberties Union
**Terrell McSweeny**, Covington & Burling LLP
**Eleni Kosta**, Tilburg University
**Neil Richards**, Washington University in St. Louis

Topics:

- The nature of potential changes to governance models for location data, including pertinent ethical frameworks that could be adapted to regulate location data, such as researcher privacy agreements/standards, confidentiality certificates, and Institutional Review Board governance models
- The role of corporate best practices in this sphere, given the role of technology firms as the primary originators and stewards of mobility data

| 3:45 pm | **Discussion with Committee** |
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| 4:10 pm | **Q&A with Audience** |
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| 4:25 pm | **Concluding Thoughts from Workshop Planning Committee** |
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Speakers:    **Caroline Buckee,\*\*** Harvard T.H. Chan School of Public Health
**Paul Ohm,\*\*** Georgetown University Law Center
**Yves-Alexandre de Montjoye,\*\*** Imperial College London
**Jasmine E. McNealy,\*\*** University of Florida
**Stephanie Pell,\*\*** The Brookings Institution
**Navin Vembar,\*\*** Atlassian

| 4:45 pm | **Adjourn** |
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\*All times U.S. Eastern
\*\*Member of the workshop planning committee