Summary of Previous Webinars and Workshops

2021

- [Privacy in Smart Cities](#) (RCN-sponsored), June 2021. With 32 attendees, featured smart cities scholars researching uses of data for planning and implementing smart city concepts. Topics included smart city data challenges, privacy threats in data sharing and data mining, privacy-enhancing technologies, data governance dilemmas and potential solutions, barriers to government data access, and attitudes towards privacy. Presenters included:

  - Benjamin Fung, PhD, Canada Research Chair, Data Mining for Cybersecurity, Professor, Information Studies, McGill University
  - Isabel Wagner, PhD, Associate Professor, Computer Science, De Montfort University, Leicester, UK
  - Amanda Clarke, PhD, Associate Professor, Public Affairs Research Excellence Chair, Carleton University
  - Federica Fusi, PhD, Assistant Professor, Public Administration, University of Illinois Chicago
  - Sara Bannerman, PhD, Canada Research Chair, Communication Policy and Governance, Associate Professor, Communication Studies, McMaster University
  - Angela Orasch, PhD Candidate, Political Science, McMaster University

- Adding Age to AI: The Importance of Representing Older Adults in Data and Design, March 2021. FPF and AARP co-launched a project to evaluate the risks and benefits for older adults in a digital world. The workshop featured four scholars and three for-/non-profit experts to discuss issues relevant to an older demographic, with 117 attendees. Scholars included:

  - Dr. Pamela Teaster, Professor, Human Development and Family Science, VA Tech: systems to control finances for cognitively impaired older adults
  - Dr. Clara Berridge, Assistant Professor, School of Social Work, University of Washington: older adults and their children, on in-home surveillance and monitoring systems
  - Dr. Jon Antin, Human Factors Research Scientist, VA Tech: outreach initiatives for coordinating public/private services for the aged
  - Dr. Kerstin Haring, Assistant Professor and Director, Humane Robot Technology Laboratory, University of Denver: human/robot interactions, and ethics in robotics

- Digital Data Flows Masterclass on Machine Learning and Speech, December 2020. Co-moderated by RCN Project Lead Dr. Sara Jordan, this masterclass followed the completed Vrije Universiteit Brussel (VUB)-FPF Digital Data Flows Masterclass series with

eight topics. Professor Marine Carpuat (Associate Professor, Computer Science, University of Maryland) presented mathematical models on advanced aspects of (un)supervised learning. Industry presenter Dr. Prem Natarajan (VP, Alexa AI-Natural Understanding) described intricacies of ML in the context of voice assistants.

- K-12 Working Group, September 2020: Webinar co-hosted with GMU School of Law with panelist Professor James Cooper.

2020

- AI Working Group (RCN-sponsored), October 2020: Introduced FPF corporate partners to novel research in privacy and machine learning in the context of AR/VR systems (40 attendees). Speakers included Mel Slater, Ethics of Realism in Virtual and Augmented Reality and Valentina Mancuso, Virtual Reality in Neurorehabilitation: Review of Its Effects on Multiple Cognitive Domains.

- Due to COVID-19, the IAPP Global Summit DC event scheduled for April 21, 2020 was cancelled. FPF coordinated with multiple privacy scholars and firms to produce five distinct virtual sessions which allowed academic scholars to interact with industry and government representatives.

    o "Privacy Preserving Machine Learning: A Primer" organized by FPF for the virtual International Association of Privacy Professionals (IAPP) Global Summit (June 2020).
    o "Legislative Update: State of Play in DC and the States," with Dr. Cam Kerry of the Brookings Institute, Prof. Michelle Richardson and Prof. Jessica Rich of the Georgetown University Center for Democracy and Technology.
    o "Class on a Cloud: Student Privacy in the Age of COVID-19," with Dr. Elana Zeide of the UCLA School of Law, joined by representatives from Fairfax County Public Schools (Mx. Jim Siegl) and Mx. Bill Fitzgerald (Consumer Reports).
    o "The Face that Launched 1000... Privacy Laws? Regulating Facial Recognition Systems," with Dr. Clare Garvia of the Georgetown Law Center for Privacy and Technology, joined by Mx. James Loudermilk of IDEMIA and Mx. Hector Dominguez Aguirre of the City of Portland.
    o "Access to Health Data: A Comparison of Regulation," cohosted with the Israel Tech Policy Institute, bringing together Dr. Minna Paltiel of University of Melbourne to speak with Mx. Knut Mager of Novartis, Mx. Kirsi Talonen of Findata, and Mx. Mario Romeo of Intel.

- "Privacy Preserving Machine Learning: New Research on Data and Model Privacy" webinar on June 8, 2020, which brought together emerging and established scholars in

the field of privacy preserving machine learning to discuss their research and the future of both data privacy and model privacy with industry experts and members of law firms and legal faculties. Speakers included postdoctoral fellows, PhD students, and established faculty representing universities in the U.S., Canada, EU, and Singapore. Speakers and agenda included:

- o Overview of the Applied Privacy RCN and Introduction of Speakers
- o Is "Perfectly Privacy Preserving AI" possible? Speaker: Ms. Patricia Thaine, University of Toronto
- o Foundational work in Privacy Preserving Machine Learning. Speaker: Dr. Reza Shokri, National University of Singapore
- o Preserving Privacy in Practice from the authors of "Privacy Preserving Deep Learning for Detection of Protected Health Information in Real World Data." Speaker: Dr. Sven Festag, Jena University Hospital
- o Securing models from the authors of "Dynamic Backdoor Attacks against Machine Learning Models." Speaker: Dr. Ahmed Salem, University of Saarland
- o The cost of insecurity from the authors of "Mind your weights: A large scale study on insufficient machine learning model protection in mobile apps." Speaker: Dr. Zhichuang Sun, Northeastern University
- o Panelist Discussion: Forecasting the Future of Privacy in Machine Learning. Panel Chair: Dr. Sara Jordan, FPF. Panel Members: Presenting Authors

- ● "Synthetic Data Workshop" on April 9, 2020 entitled "Accelerating AI with Synthetic Data" with Dr. Khaled el-Emam of the University of Ottawa to offer over 100 companies an introduction to the importance and uses of synthetic data in AI applications.