

Eve Schooler

Intel, retired
University of Oxford



Recent Awards and Honors

- IEEE Internet award (2020)
- IEEE Fellow (2021)
- Royal Academy of Engineering (RAEng) Visiting Professor program (2023-), which targets industry-academia partnership
- Intel patent innovation awards (2016, 2018, 2019)
- Intel Achievement Award (Intel's highest honor), ROAR program to retain Senior Technical Women (2015)

Involvement in CRA Activities

- CRA Board of Directors (7/21-), elected initially as an industry representative from Intel
- CRA Career Mentoring Workshop (2023), industry mentor
- CRA Industry (CRA-I), Council member (5/23-)
- CRA Socially Responsible Computing Committee (7/22-) and its Computing, Climate and Sustainability working group (1/23-)
- CCC/NSF-sponsored Workshop on the Role of Information Sciences and Engineering in Sustainability (RISES), invited speaker and panelist (2011)
- CRA/CCC Computing Innovation Fellows Program, submitted a mentor/mentee proposal (2010?) - not selected

Other Relevant Experience

- NSF service - BoA Intel-NSF ICN-WEN (2017-2020); BoA, Wireless Nano-Bio-Info Sensors and Systems Program (2008-2009); Reviewer, Aware Networking (ANET) program area (2008); Committee of Visitors for CISE/ANIR (2003); Industry Recommender, many Letters of Support for University Researcher proposal submissions (2005-2023).
- Intel external grant giving committees - Intel RISE2030 Technology Innovation, Sustainability committee (2021-2023); Intel Labs' Corporate Research Council (CRC), Emerging Ingredients committee (2016-2023); Next Generation & Standards BU (2018-2023); CRC Software and Systems, Research Center review committee (2017); IoT Group BU (2014-2017, 2020-2023); University Research Office (2010-2013); Intel Research Council, Communications committee (2005-2009).
- Anita Borg Institute service - Intel BRAID liaison (2020); Career Panel, Girl-serving Organizations (Grace Hopper Conference, GHC'20); Technical Panels, Partner Collaboration Forum (GHC'16, GHC'17, GHC'19); New Investigators Committee (GHC'08); Co-Chair, Invited Technical Talks Committee (GHC'07); Publications Chair (GHC'05), Web Designer and Host for resume database (GHC'02).
- Intel Patent Review committees - Edge Networking & Applications (2018-2023); Automotive, Drones, & Robotics (2017-2018).
- PhD committees - U. Trento (2013), Sorbonne (2018), Aalto U. (2018), CMU (2019)

Research Interests

- Networking
- Distributed systems
- Collaborative systems
- Internet of Things (IoT)
- Industrial IoT control systems
- Distributed data discovery
- Distributed data stewardship
- Data-centric Networking (aka ICN, NDN, CCN)
- Semantic interoperability
- Internet Edge-ification
- Electric Grid Edge-ification
- Edge Networking
- Edge Computing
- Carbon-aware Computing
- Carbon-aware Infrastructure (aka Sustainable infrastructure)
- Computing in the Network (aka COIN, CFN, in-network compute)
- Deterministic Networks (aka DetNets, TSN)
- Wireless DetNets (aka Reliable Available Networks)
- Reverse Content Distribution Networks (rCDNs)
- The intersection of Sustainability & DEI (Diversity Equity and Inclusion)

Personal Statement

Throughout my career in industry, I have strongly championed long-term research and applied research, their linkage to innovation, and their benefit from academia-industry partnership. Having led and been recognized for Internet standardization efforts, I know that the path of an idea from inception to realization is often not straight and that novel solutions often lie at the intersection of disciplines. At this pivotal moment, the CRA has an opportunity to bring Computing to bear on many urgent societal issues, including Climate Change, whilst simultaneously addressing Diversity, Equity, and Inclusion. All themes for which I would continue to advocate.