

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

Winter 2021 – Meeting of the Forum on Cyber Resilience
February 26, 2021

(Members of the public can register at cyberresilience.eventbrite.com)

**Resilient Public Services in the U.S. – Lessons and Insights from Estonia
Time Machine or Alternate Universe?**

A Conversation

Hosted by the National Academies of Sciences, Engineering and Medicine's
Forum on Cyber Resilience

Estonia has successfully implemented a suite of digital technologies including digital identities, integrated architectures, and data governance policies that provide virtually all public services in the country as well as a trusted interface to the private sector. Could a similar approach work for the United States? Join the National Academies' Forum on Cyber Resilience for a conversation February 26 from 10am-2pm ET about opportunities and risks for integrating digital services in the United States. During the event, invited speakers will describe the real-world experiences of Estonia and provide insight regarding possible challenges that arise from the scale and complexity of U.S. governance (state and federal) and the cultural sensibilities of U.S. citizens. Will Estonia's digital government success provide a time machine that allows us to view a potential future U.S. digital government, or is it an unreachable alternate universe?

NOTE ALL TIMES ARE EASTERN STANDARD TIME (GMT-5)

February 26, 2021

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|-------------|---|
| 10:00am EST | Introductions, Fred Schneider, Chair, Forum on Cyber Resilience;
John Launchbury, Member, Forum on Cyber Resilience |
| 10:05 | Toomas Hendrik Ilves, former President of Estonia
The Estonian Digital Government Transformation <ul style="list-style-type: none">• What was done, why, how well did it succeed?• What were the technical underpinnings?• What governance and policy mechanisms were needed? |
| 10:50 | Kaija Kirch, Cybernetica
Estonian Digital Identity Management
Operational, technical, policy, governance, and legal mechanisms
to support trusted identity services |
| 11:35 | Break |
| 11:45 | Robert Krimmer, University of Tartu
Reflections on Building a Digital Society <ul style="list-style-type: none">• Efficiency opportunities in government services & products• New opportunities that arise from e-government and "government APIs" |

- Potential for “personalized” government (such as personalized medicine)
- Opportunities and risks from 3rd-party commercial reselling/repackaging of government services

12:30

Oliver Väärtnõu, Cybernetica

Sustaining Trust, Security, & Resilience

- What sorts of crises (eg., 2007 cyberattack, Solar Winds-style supply chain attacks) may arise and how can government be prepared to manage through them?
- How is trust in the system and process built and maintained?
- How does the Estonian approach compare and contrast with other countries? Or sub-country jurisdictions?
- How does this approach to digital society affect alliances in the digital space, public/private partnerships, and intelligence sharing with allies?

1:15

Break

1:25

Plenary Discussion, John Launchbury, Moderator

Q: Time travel or alternate universe? Why or why not?

Q: Are there opportunities to make progress in the U.S. at municipal, county, state levels? At the federal level?

Q: How would a model of security through required divulgence, transparency, and accountability (enforced information flows) and trust through familiarity (use of the system for everyday occurrences) apply in the U.S.?

2:00

Adjourn