



In preparation for the Keynote Session with The Hon. Dimitri Kusnezov, PhD, Under Secretary for Science and Technology, U.S. Department of Homeland Security, please review the links below.

This handout is also available on the [NTSA.org/MSSummit](https://www.ntsa.org/MSSummit) website.

S&Ts Preparedness

<https://link.edgepilot.com/s/56f27c5c/9J0LZvLVXEyrXBKYLJCmgg?u=https://www.dhs.gov/science-and-technology/artificial-intelligence>

Series sets the stage for understanding how scientific and technological advances, including artificial intelligence, are providing homeland security operators new options to manage and anticipate the impacts of future change – bookended by extreme weather and emerging tech advances. This analysis, which includes a collection of research papers, is designed to raise awareness of our unpredictable future, emphasizing the importance of creating a preparedness posture that reduces operational risk, enhances decision-making, and boosts mission effectiveness.

To amplify how S&T is thinking differently and to educate decision-makers and influencers on the important role S&T plays in preparing the Department for future change, below are links to four S&T's papers:

- Preparedness in Times of Rapid Change
 - <https://link.edgepilot.com/s/ac437fc0/rX3KnwtVMkSIhYKI7XYxpA?u=https://www.dhs.gov/science-and-technology/publication/preparedness-times-rapid-change>
- Risks and Mitigation Strategies for Adversarial Artificial Intelligence Threats: A DHS S&T Study
 - <https://link.edgepilot.com/s/fcaef73f/XivG-WI28EiFgR3aixH4CA?u=https://www.dhs.gov/science-and-technology/publication/risks-and-mitigation-strategies-adversarial-artificial-intelligence-threats>
- Foundation Models at the Department of Homeland Security: Use Cases and Considerations
 - <https://link.edgepilot.com/s/d9417a8b/PxGG19wf2UWce3XqLlspNg?u=https://www.dhs.gov/science-and-technology/publication/foundation-models-department-homeland-security>
- S&T/Harvard Climate Workshop: Opportunities for Improved Prevention and Response in the U.S. Arctic and Alaska
 - https://link.edgepilot.com/s/0d92397e/G8EyDlAl_UmfxmP6p-W7IA?u=https://www.dhs.gov/science-and-technology/publication/st-harvard-climate-workshop