Forum on Cyber Resilience - Symposium
Beyond Spectre: Confronting New Technical and Policy Challenges
Keck Center of the National Academies, 500 Fifth St, NW, Washington, D.C. - October 3, 2018

Please note: This meeting is being audio-recorded and a summary of attributed presentations and discussions will be prepared and published by the National Academies as a workshop summary report.

8:30 - Welcome and Context-Setting – Fred Schneider, Chair, Forum on Cyber Resilience

9:00 - Keynote – Paul Kocher, Forum on Cyber Resilience

10:00 - Break

10:30 - Hardware and Software Engineering Assumptions at Risk
Moderator: John Manferdelli, Forum on Cyber Resilience
Session goal: Explore future chip design and performance trade-offs with security, implications of decreasing performance, effects on software engineering and compiler design assumptions, possible responses to Spectre and similar vulnerabilities.

Ernie Brickell
Galen Hunt, Microsoft
Andrew Myers, Cornell University

12:15 Lunch break

1:15 - Implications for Cloud Services & Isolation
Moderator: Eric Grosse, Forum on Cyber Resilience
Session goal: Explore challenges of current cloud architecture and isolation assumptions post-Spectre; importance of hardware isolation capabilities on shared infrastructure; practical implications of emerging side-channel risks and comparisons/trade-offs with other known vulnerabilities.

Brandon Baker, Google
Mark Ryland, Amazon

2:30 - Break

3:00 - International Implications, National Security, and Vulnerability Disclosure
Moderator: Steve Lipner, Forum on Cyber Resilience
Session goal: Explore complicated global landscape regarding vulnerability disclosure – how, when, who, why; complex space of trade-offs; provide rich picture of future challenges.

Ari Schwartz, Venable, LLP
Audrey Plonk, Intel
Katie Moussouri, Luta Security
Paul Waller, National Cyber Security Centre, United Kingdom

4:45 - Plenary Wrap-up & Q&A – Moderator: Fred Schneider

5:30 - Reception
Please note: Affiliations are for identification purposes only; unless noted, speakers are speaking for themselves and not for any institutions with which they may be affiliated.