An Introduction to Persistent Memory Hackathons: Geeks Unite!

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So You Wanna' Program Persistent Memory...

- Consistent Windows/Linux architecture model

- Variety of open-source tools and libraries
  - Persistent Memory Development Kit (PMDK)
  - Direct programming models
  - Multiple open-source file systems

- Our '19 promise: Programming/Conversational opportunities
  - Persistent Memory Hackathons, global reach
  - NVDIMM Programming Challenge
  - A new, industry-focused conference (PIRL)

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So You Want(ed) To Talk About Persistent Memory...

SDC Europe
Hackathon '20

Japan Hackathon '19

PM Summit Hackathon '19
FMS Hackathon '19
FMS PM Track '19
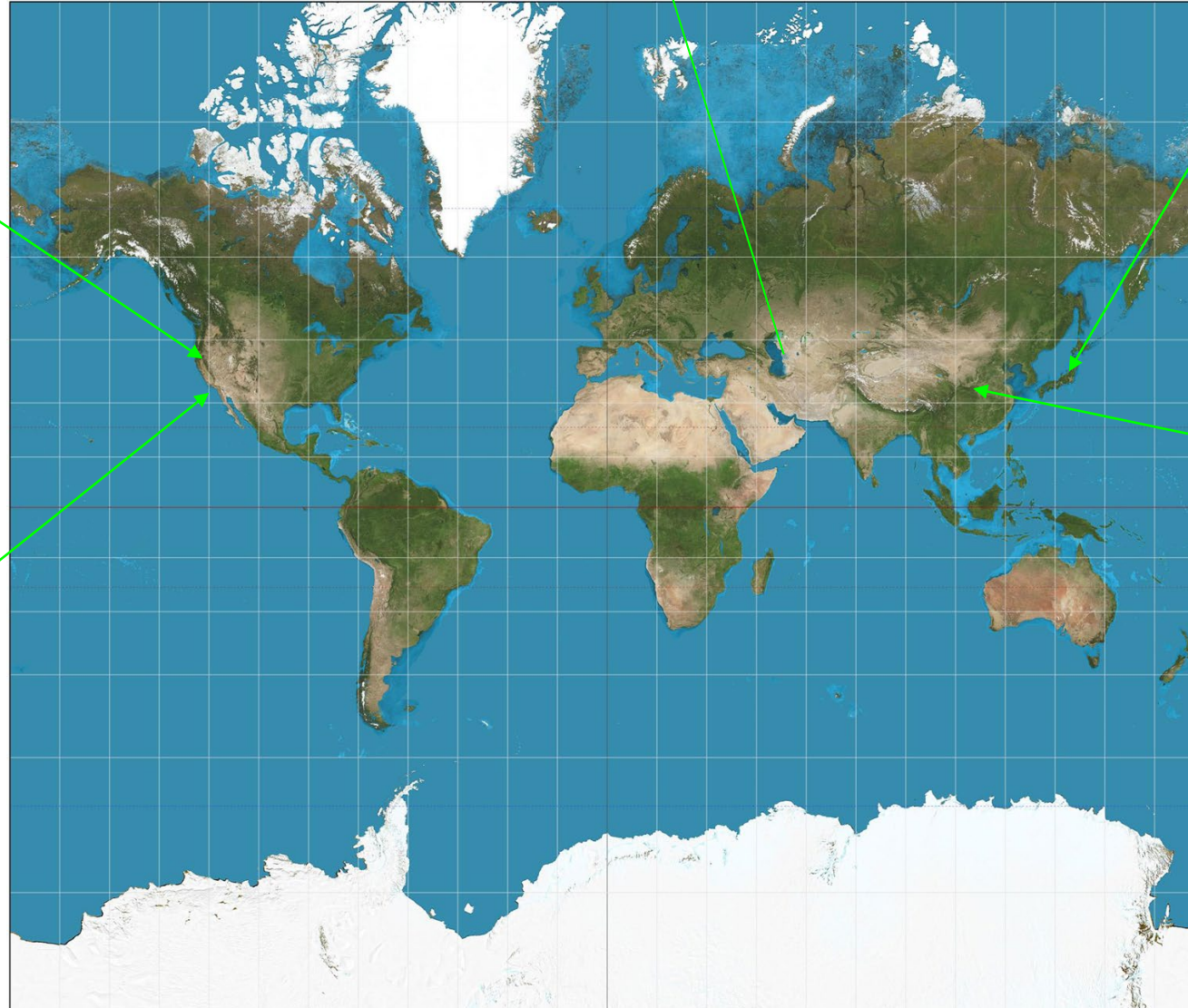SDC America Hackathon '19
PM Summit Hackathon '20
PM Summit '20

Four China
Hackathons'19

NVMW Hackathon '19
NVMW Conference '19
PIRL Conference '19
NVMW Hackathon '20
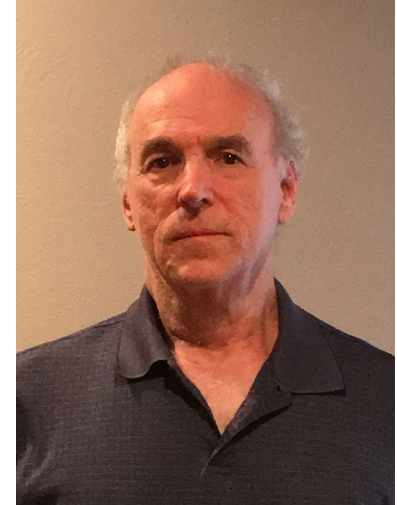NVMW Conference '20

Plus the Interwebs:
SNIA Blog
PIRL Blog
NVDIMM Programming Challenge

About That NVDIMM Programming Challenge...

- Sponsored by Smart Modular Technologies, AgigA Tech, Supermicro

- Program running for four months
  - Multiple submissions
  - Panel review by technologists and sponsors

- Challenge Winner:
  - Steve Heller, Chrysalis Software Corporation
    - Three Misses, Persistent Hash Table
    - Utilizes PM to ease set-up time as well as the DRAM speed of NVDIMM
    - Submission at www.threemisses.com

- Demo available in the exhibit hall. This and other challenge winners will be given opportunity to showcase their work through 1H'20

And... What About 2020?

- Hackathons Continue
  - US, Europe, potential Asia opportunities
  - NVDIMM and Optane Programming Challenges
  - Don't want to wait? Host your own Hackathon! (<-- THIS!)

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- Continued focus on expanding the PM conversation
  - SDC EMEA, February 4-5, Tel Aviv
  - NVMW '20, March 8-10, San Diego
  - PIRL '20 July 13-14, San Diego
  - Additional conferences and plans will be posted on the blog

- Focus on programming and analytics will expand
  - Computational Storage and how it relates to PM
  - Workload Analysis for PM

Thank you

Please visit www.snia.org/pmsummit for presentations