# HPC User Forum 2023: Innovative Technology Panel



# **Topics**

#### Innovation is alive at Intel:

- Diverse Suite of Accelerators for Al
- oneAPI for performance portability across multiple targets

### Supporting an Al Compute Continuum

#### Production









Novel On-Die Accelerators

GPU/Data Parallel

Spatial/ Dataflow

Deep Learning Optimized

#### Research





Neuromorphic

**Graph Analytics** 

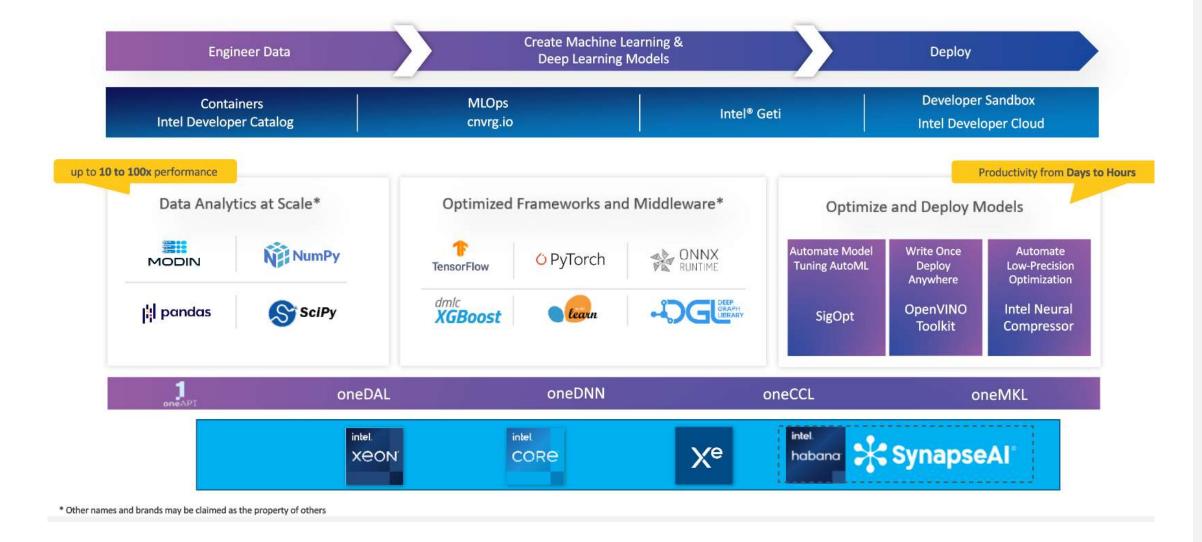
Source: International Energy Agency, November 2021. Data Centers and Data Transmission Networks, Lead Author George Kamiya. https://www.iea.org/reports/data-centres-and-data-transmission-networks

"Generative AI becomes mainstream with the democratization of AI"

Pat Gelsinger

## Enabling End-to-End Software & Solutions Powered by

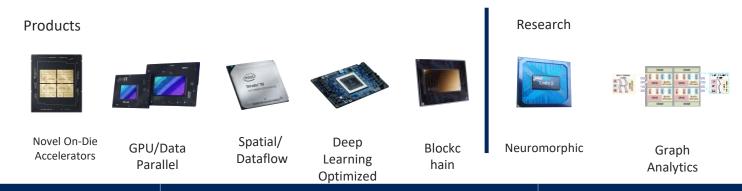






## Test systems available @ cloud.intel.com

- Leverage oneAPI: multi-vendor, multi-architecture programming for accelerators
  - Independent Committee based Standards and open specification based for future proofing
- Reach out for a demo or system access to pre-production hardware



Visit oneapi.io for specifications, source repository

Please join the community, provide input

Intel platforms – download for free at software.intel.com

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