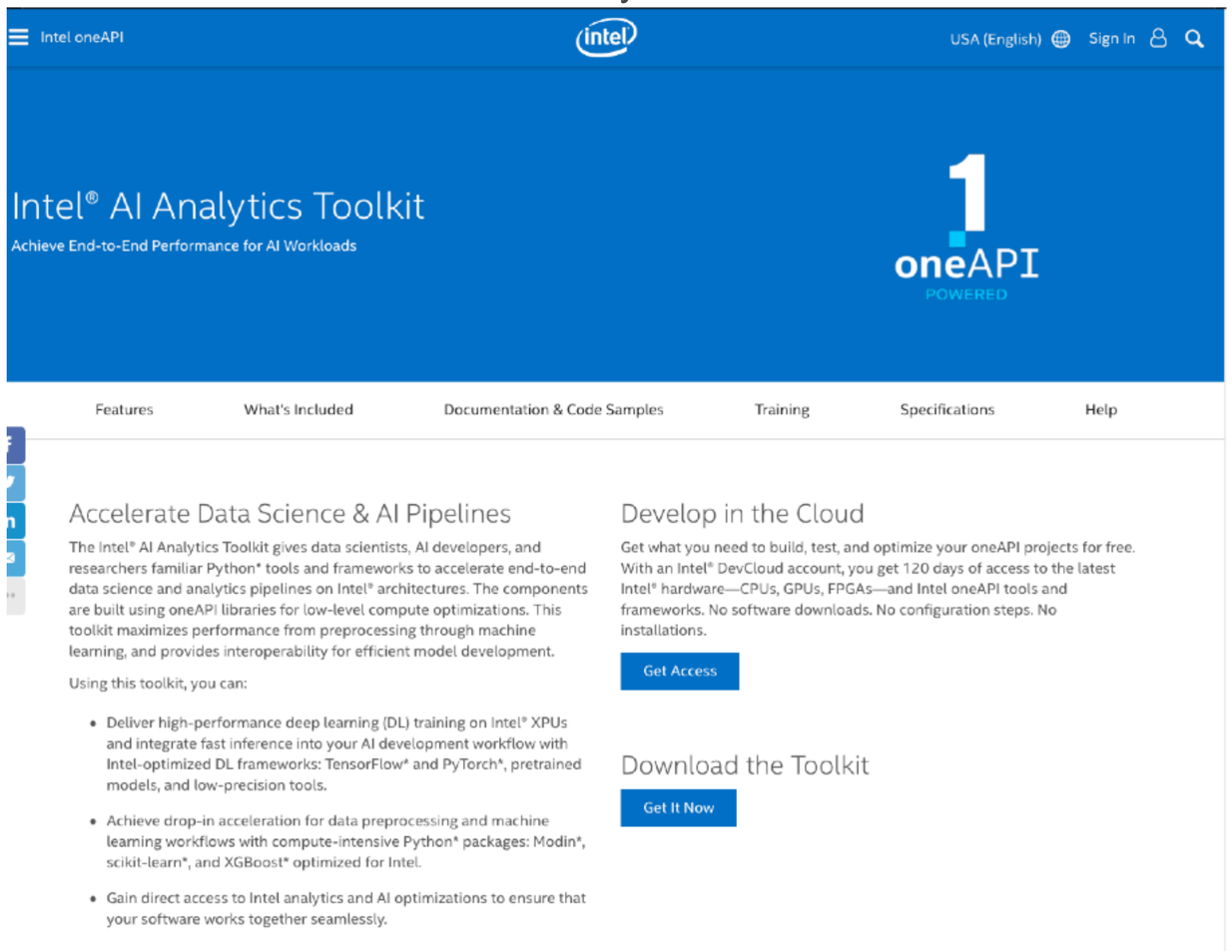
Data Science and Learning on Aurora

Aurora Will Provide for a Familiar, Productive and Performant HPC and AI Software Stack

- Python Ecosystem:
  - `Numba, NumPy, etc.`
- **ML + Deep Learning Frameworks**:
  - OneDAL, scikit-learn, XGBoost, etc.
  - `PyTorch`, `TensorFlow`, `Horovod`, `DDP`, `DeepSpeed`, 🤗 `Accelerate`
- *Optimized + scalable communication* with OneCCL
- Spark BigData Analytics
- DAOS for fast I/O + workflows
- Profiling and debugging tools

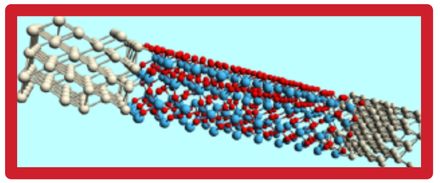
Intel AI Analytics Toolkit

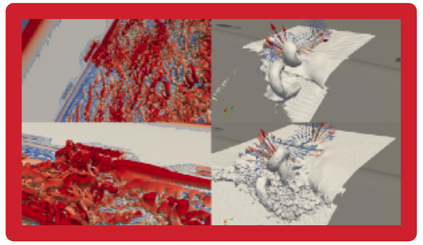


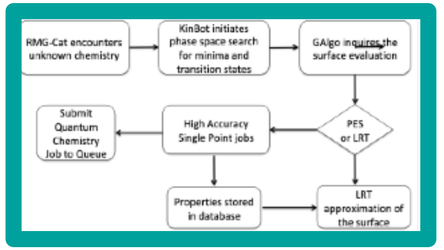
https://software.intel.com/content/www/us/en/develop/tools/oneapi/ai-analytics-toolkit.html

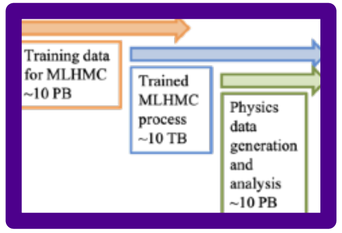
Aurora ESP Projects

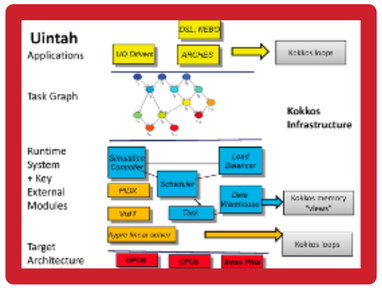
S D L

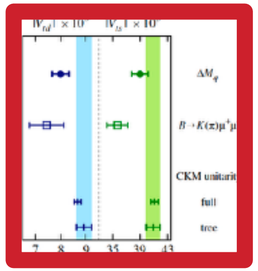


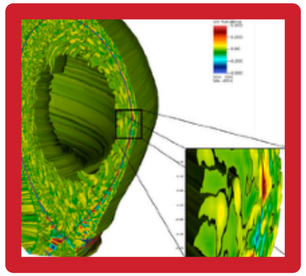


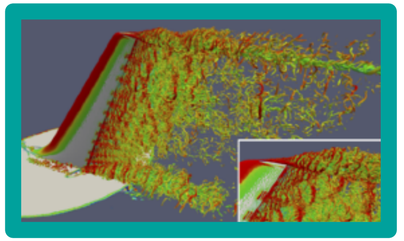


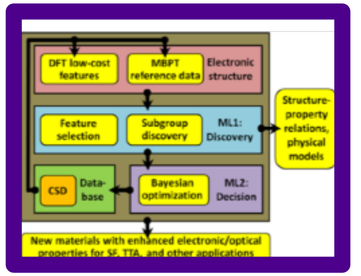


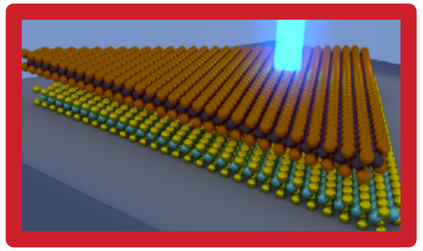


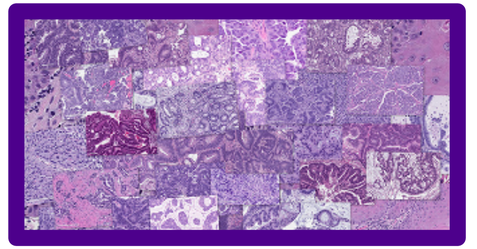


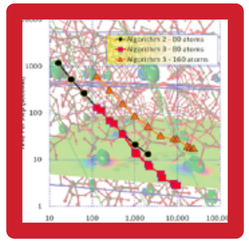


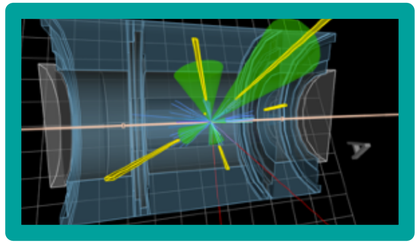


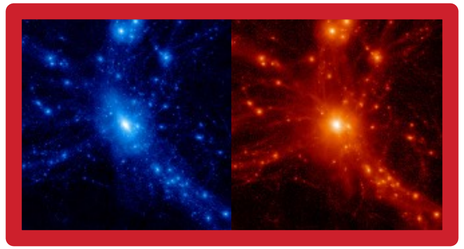


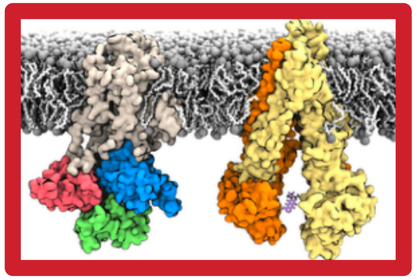


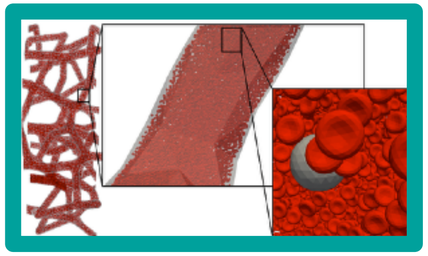


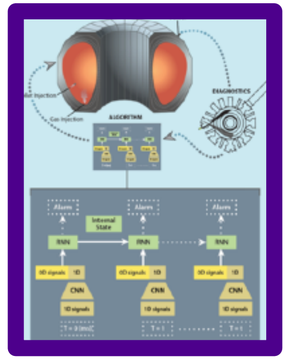












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