Community Engagement

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A3D3 Kick-Off Workshop
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Engagement overview and activities

A3D3 aims to be nexus for exchanging new ideas, algorithms, tools, and software between scientific domains, AI communities, and industry partners for AI-Hardware co-design to enhance data-driven discovery potential. Our collaboration is buoyed by leveraging the FML community and infrastructure to ensure that A3D3 is effective and far more than the sum of its parts.

- **Our "front door" to welcome A3D3 engagement**
- **Fast Machine Learning Community**
  - Close partnership in running meetings, workshops, training events, etc
- **Informed Evolutionary Process**
  - Leveraging A3D3 seminars & colloquia events, run working-style mini workshops which are targeted and topical that involve relevant community members
- **Community Empowerment Lab (CEL)**
  - Supported access to resources for exploration and R&D by collaborators.
  - Expertise and technical capabilities (e.g. infrastructure, compute and accelerator hardware, software) for algorithm development, optimization and benchmarking
  - Aids in establishing contacts from both inside and outside our science drivers

Engagement: Tomorrow's Breakout Session

16:15 → 17:10 Engagement
Conveners: Mark Neubauer (Univ. Illinois at Urbana Champaign (US)) , Mark Stephen Neubauer (Univ. Illinois at Urbana-Champaign)

16:20 Engagement with other Communities/Projects and CEL Discussion   ⏱ 15m
Speaker: Mark Neubauer (Univ. Illinois at Urbana Champaign (US))

16:35 Resources: HAL at NCSA's Innovative Systems Laboratory   ⏱ 10m
Speaker: Volodymyr Kindratenko (University of Illinois at Urbana-Champaign)

16:45 Resources: XACC Cluster at Illinois Coordinated Sciences Laboratory   ⏱ 10m
Speaker: Deming Chen (University of Illinois at Urbana-Champaign)

16:55 Resources: Cloud   ⏱ 15m
Speaker: Philip Coleman Harris (Massachusetts Inst. of Technology (US))

- **Goals for session: To discuss and develop**
  - "Front Door" concept and practical application in A3D3
  - Communities & projects with which to engage, within our core drivers and beyond
    - An excellent reference on Fast Machine for Science can be found here
    - Critical role of open data to foster collaboration
  - Community Empowerment Lab concept and introduce potential resources