Cross-cutting Panel 2
What are the key requirements of emerging application drivers?

Nanotechnology-Inspired Information Processing Systems of the Future Workshop
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8/31/16
The evolvant information technology platform

“The Living Internet”
Widely divergent (?) opportunities
Widely divergent needs (?)

Each of these application domain has different needs (or not)
- Computation classes: Algorithmic, cognitive, emergent
- Metrics: Complexity, resolution, performance, energy, size, robustness, lifetime, robustness, security,
- Distributed or centralized

Useful to understand commonalities or differences at the different scale

Main goal of this panel
Panelists

Amir Khosrowshahi
Nervana
Deep learning architectures

Veena Misra
NCSU
Self-sufficient Wearable Systems

Kathy Yellick
UC Berkeley
Scientific Computing

Jan Rabaey
UC Berkeley
Low-Energy Distributed Systems