Neuro-Inspired Computational Elements 2017

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• Narayan Srinivasa
• Wolfgang Maass

Local Arrangements/web
• John Day
• Wendy Fedde
• Mary Altman
Where are we headed?

Catalogue all information (World Encyclopedia), use it to make best decisions

Electronic World Encyclopedia
Two phases:
• World Library: cataloging (by 2000)
• World Brain: AI generates new information (by 2100)
Neuro-inspired/Neuromorphic Systems

- Leveraging the convergence among neuroscience, theory/algorithms, microelectronics
- Wide range of early applications and success with machine learning
- Still a larger set of challenging problems remaining
- How do we address those problems with new algorithms, computing approaches and systems?