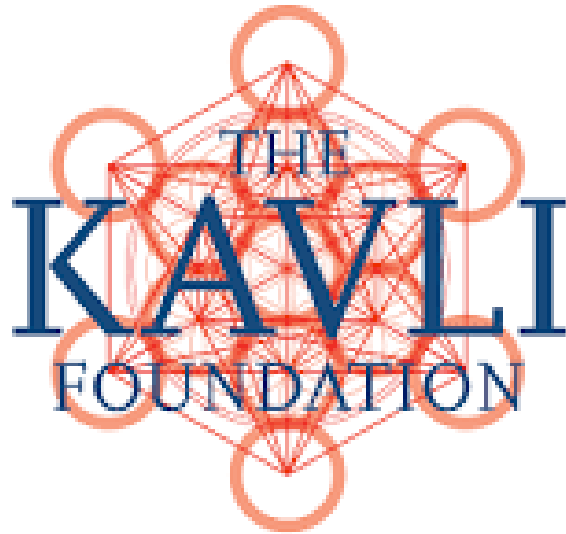
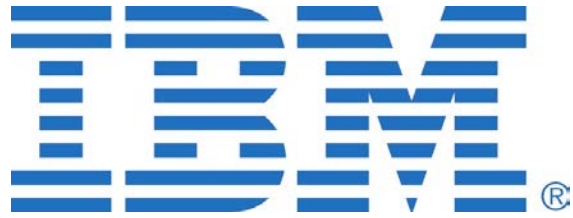


Neuro-Inspired Computational Elements 2017

March 6-8, 2017

IBM Research - Almaden





Thanks to our sponsors and host

Organizing and Advisory Committees



Organizing Committee

- Winfried Wilcke
- Dan Hammerstrom
- Brad Aimone
- Jon Candelaria
- Steve Furber
- Karlheinz Meier
- Murat Okandan

Advisory Committee

- Christof Koch
- Narayan Srinivasa
- Wolfgang Maass

Local Arrangements/web

- John Day
- Wendy Fedde
- Mary Altman

Where are we headed?



World Brain
H.G. Wells
(1936)

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



Electronic World Brain
Arthur C. Clarke
(1962)

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?