

# *Adaptive Distributed Learning*

- Automated performance measurements and Feedback with increased reliability
- Types and timing of feedback
- Techniques and tools of delivering feedback and Control
- Training effectiveness of used algorithms and features
- Distributed systems
- Human performance modeling
- Reconfigurable approaches

# *Implantable Devices and Brain “fingerprinting”*

- Size, weight, power requirements
- Information encoding, retrieval, accessing and processing
- How this information can be used
- Local vs. Global (integration) recordings
- Dynamics of integration: one to many and vice versa
- Sensor simulation technology and sensor fusion
- Brain modules-dynamic interactions and causality
- Systems approach (nonlinearity and non-stationarity)
- Imaging vs. recording-Fusion (Spatiotemporal approach); Timing and integration