

Hot Trends in Medical Imaging

Rich Mather, PhD
Canon Medical Research USA

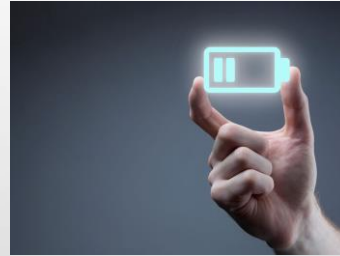
Enabling Technologies

High speed networks



100-400 Gb/sec
5G wireless

Ubiquitous and unlimited storage
Cloud storage



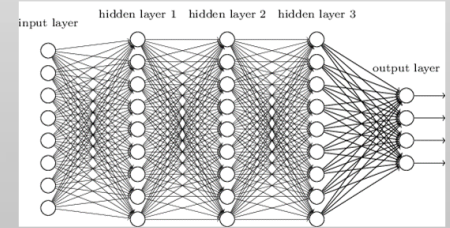
Batteries of the future

High capacity
Fast charge
Safe

Improved data

High resolution
Spectral
Targeted

Deep neural networks



Future of Imaging

Deconstruction and democratization of imaging

Butterfly ultrasound
Field-deployable scanners



AI/ML revolution of
Decision support
Workflow
Image quality



Virtualization and consolidation of PACS
PACS in the cloud

