NSF Award EEC-1160504

TANMS

Translational Applications of Nanoscale Multiferroic Systems

Overview

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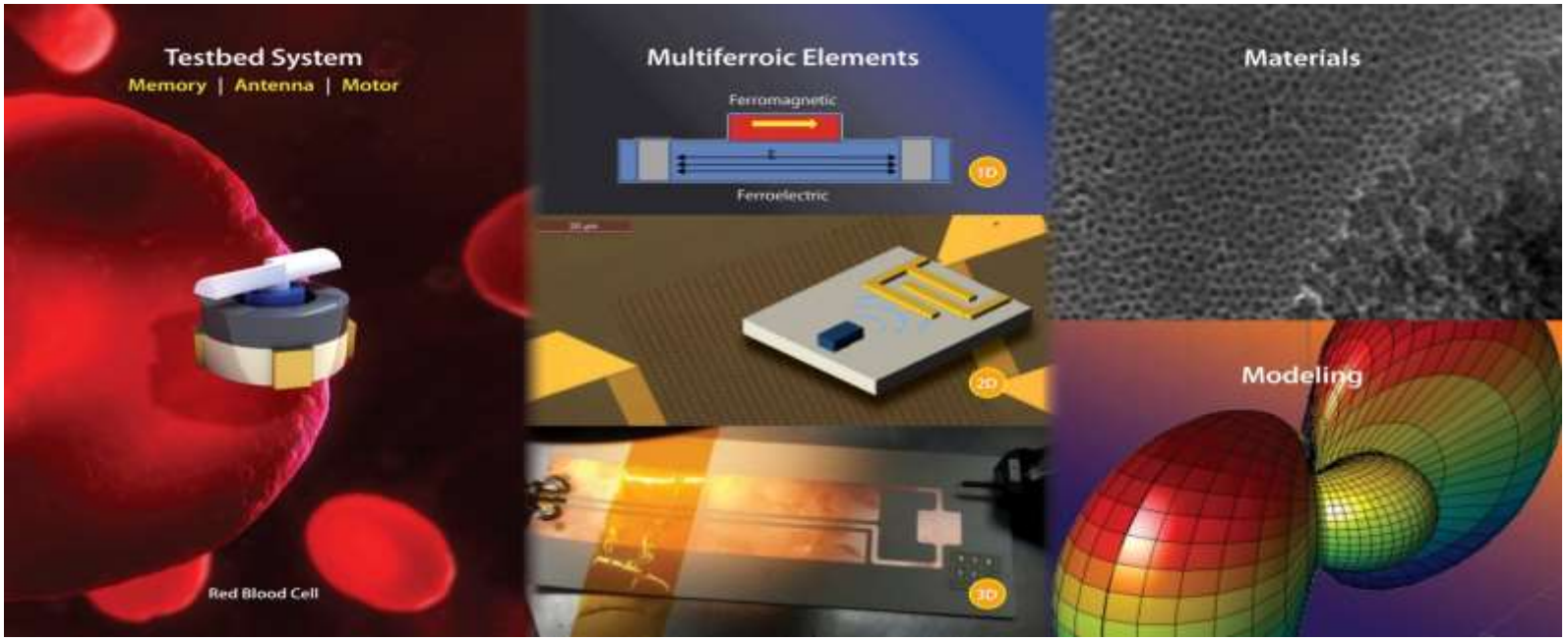
Mission & Disruptive VISION

TANMS is <u>working to engineer a revolution in miniature electromagnetic electronics through the development of a new class of nanoscale, multiferroic materials.</u>



Using voltage to control magnetism in the small scale to change the world!

Our Team

Academic Partners

- University of California, Los Angeles (UCLA)
- University of California, Berkeley (UCB)
- California State University, Northridge (CSUN)
- Cornell University (Cornell)
  - Northeastern University (NEU)
  - University of Texas, Dallas

- 18 PIs
- 50+ graduate & post-docs
- 80+ undergraduates

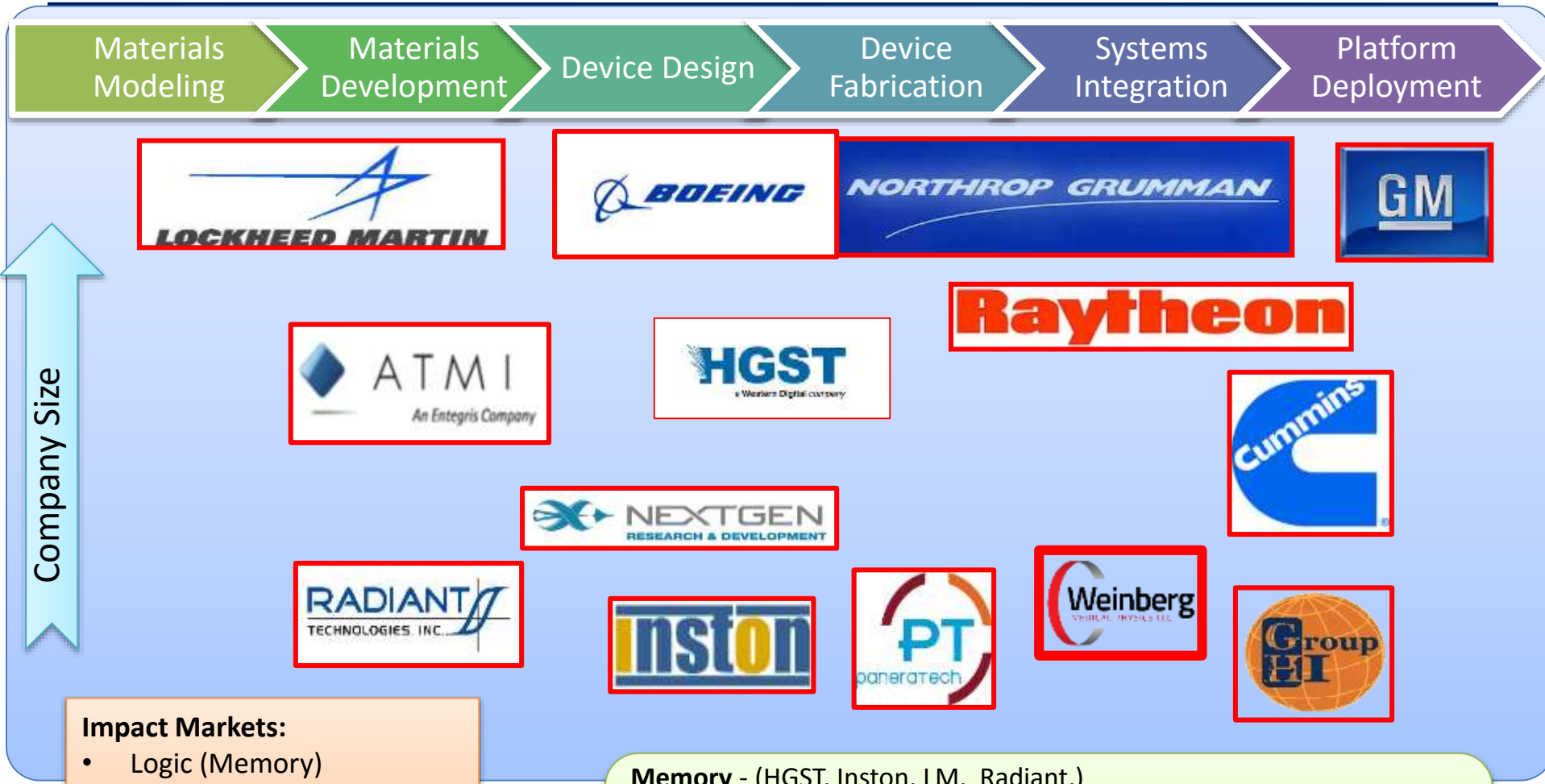
Gov't Partners

- NSF, DARPA, DOE, ARO, AFOSR, US Army

Current Industry Partners

- ATMI/Entegris
- GroupHI
- HGST
- Inston
- Northrop Grumman
- PaneraTech
- Raytheon
- General Motors
- Radiant Technologies
- Lockheed Martin
- Maritime Applied Physics
- NextGen Aeronautics
- Weinberg Medical
- The Boeing Company
- Cummins
- Winchester Technologies

TANMS - Across the Value Chain



Impact Markets:

- Logic (Memory)
- Signal Processing (Antenna)
- Electromechanical Systems (Motor)

Memory - (HGST, Inston, LM, Radiant,)
Antenna - (Boeing, NGC, GM, Raytheon, Cummins, NextGen, PaneraTech, GroupHI, Radiant, Weinberg Medical)
Motor – (LM, Cummins, NextGen, GM, Radiant, Weinberg Medical Physics)

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"What I'd like to get out of the ILO Summit"

Tom Normand

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