

# Workshop Overview

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# Background

- Third workshop supported by NFCRC (Materials and Power Electronics)
- Relatively small community
- Relatively low profile
- Critical for widespread use

# Fuel Cells:

- Present:
  - Thermo efficiency
  - No thermal cycle for electricity
  - Clean (low temp chem)
  - No greenhouse gas (really?)
- Then A Miracle Happens ....
- Future:
  - We are drive and get energy cheap and clean

# The Miracle Step!

- Duty cycle analysis (load following, transients)
- Integration: with batteries, turbines, etc
- Modeling and Control

# Goals and Objectives

- Develop a stronger academic community
  - More frequent gatherings
  - Collaboration
- Identify
  - promising research paths
  - critical technical gaps
  - funding sources, industrial collaborations

# Workshop Schedule (Proposed?)

- Day 1:
  - Presentations (roughly 15 minutes each with about 5 minutes of Q & A)
  - Lunch, breaks, reception
  - Walking tour of NFCRC

# Schedule

- Day 2:
  - Breakout session for small groups discussion
  - Getting together for final discussion, recommendations and commitments.
  - Done By Noon!