Computational Materials Science Network:
Predictive Capability for
Strongly Correlated Electron Materials

Fall 2007 Coordination Meeting, University of California Davis

Special Thanks To:
- Georgie Tolle
- Onelia Yan
- Sergei Savrasov
- Bernd Hamann and Barry Klein

(University of California Davis, Office of Vice Chancellor for Research)
Signature Problem: Mott Transition in MnO

Thrust A: Multielectron Magnetic Moments
Thrust B: Dynamic Effects in Strongly Correlated Materials

Initial Funding: Summer 2006

Activities

Coordination Meetings (Satellites of March APS meetings)
• Denver 2007: 26 CMSN talks (1 Invited)
• New Orleans 2008: Planned

Twelve Publications
Fourteen Invited Presentations

Essential to Encourage Further Inter-Institution Collaborations
• Postdoctoral Exchange
• Student Exchange

One important goal of meeting: Arrange extended visits

* For funding: Short (1-2 paragraph) description to Pickett/Scalettar
* Typical budget: $1000-$2000