

# MGroup

- Research group focused on material design
  - Materials and simulation methodology
  - Stochastic mechanics and optimization
  - High performance computing
- Key projects
  - MASTER: Optimum design of CNT-reinforced materials
  - NUMEXAS: Exascale-enabled algorithms for the solution of computational mechanics problems

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- Ontology projects
  - MetaOn: Ontology driven metadata creation for text and image search
  - MindTheNet: Data analysis for cultural resources and social networks using ontologies
  - Parmenides: Ontology driven temporal text mining for extracting temporally-defined knowledge

# MGroup

- Expertise in
  - OWL for semantic web
  - Ontology tools (Protégé and SWOOP)
  - Ontology building (Scope definition, capturing and encoding, class and taxonomy definition)
  - Ontology integration and evaluation (tagging objects with ontology-driven metadata)