Student Interests

Ahmed Almadhor
W. Xu (*network security
  secondary: protein folding

M. was interested in hypothetical
  reasoning using Bayesian networks,
  as shown in Gowader, Fortas, and Vukotic's
  P2P system
Tahira Arju
MS in CSE. Research area not yet decided.
Needs an MS thesis topic.
Maybe something in model-based diagnosis?

Rhea McCashin
Works with Dr. Bayoumi (BME and ME) in Natural Language Processing.
Suggest: read Ch. 8 of Levesque's 'A C or the slides & Prolog programs that go with it, before Dr. Matthews' course gets going.
Stamen R. Omar
Computational Models w/ Prof. Valhoof
Consider the MEPTOR example (Mervi-McDermott-Valhoof), a Bayesian network construction exercise.

Mikal Thalib
Dr. Chiu-Tser Huang on Botnet detection and analysis (for network security).
First, detect, then find the protocol for
communication & control of the bots will
their master.
Scott Longepie's #AMAS paper with
Mark Bloomer & MV gives a good overview
of the AEBN (Agent-Encapsulated Bayesian
Network MTS framework) and of
the rumor problem in community
systems of agents
Dakul Salvi

Works with Dr. Song Way on multi-object tracking and document analysis (finding the differences between text and figures in old books); collaboration w/ center for Digital Humanities, simp Ch. 6 of leverage for a start - a typical representation for bringing knowledge to bear on image interpretation.
Richard Walker
Prof. Buell: IPAD application about
of the store. Need localization.
Connectivity to a server. What should
be passed? Usability. Information is
now divided by time period.