GMU C4I Center
Strategic Plan

Fiscal Years 2006 - 2010
Mission

• The Center will perform advanced research in military information technology, where it will be recognized as a premier source of knowledge and innovation and will be relied upon by military and civil authorities for advice and assistance. It will serve to provide a bridge between military requirements in IT&E areas of expertise and the faculty who possess and practice that expertise.
Focus Areas

- Sensing and Fusion
- Command Support
- Communications and Signal Processing
- Information System Architectures
- Modeling and Simulation
- Distributed Education and Training
Name Change

• Add the 4\textsuperscript{th} C:
  – Center of Excellence in Command, Control, Communications, \textit{Computing} and Intelligence

• The change intentionally is minimal, in order to preserve our existing strong name recognition
Partnerships

Many projects will be performed cooperatively with other organizations, e.g:

– Industry/academic teams, either as the lead or as a member
– Industry, as a subcontractor
– Other universities, in academic studies
– Other units of GMU, particularly other Centers
– Government organizations and FFRDCs, in policy or technology studies
Relationships Within IT&E

• Relationships with other IT&E elements are expected to be synergistic; the Center
  – benefits from expertise of Departments
  – provides value to them by bringing in external resources to support projects.

• If a cooperative relationship cannot be maintained, this plan will not achieve the projected results.
  – Dean IT&E has committed to support a positive relationship
  – Includes overhead return to departments of Center PIs
  – Reporting of Center projects for research ranking will be attributed to each PI’s department
Academic Activities

• The Center is associated with the C4I Specialization of the MS in Systems Engineering; we will
  – seek growth and additional breadth in this program
  – recruit and build on military graduate students
• Partnerships with VMASC/ODU and NPS in C4I and Modeling/Simulation will strengthen the Center and
  – use distance education technologies to make Master’s degrees more accessible to military officers
  – increase the number of students in the cooperating disciplines at each of the participating institutions
• The Center will create and maintain a technical reports series as an archive for our work and a way of making it available to the larger technical community
Staff

By 2010:

- ~20 tenured/tenure-track faculty members affiliated
  - from across IT&E, based on expertise/experience
  - about 10 will be PIs or Co-PIs leading projects
    - 15% to 50% of salary supported by research
- ~10 research faculty
  - most often will work with tenure/tenure-track project leaders
  - 50% to 100% time
- ~10 administrative and technical support staff
  - 50% to 100% time
  - roughly half of these will be in general support of the center
  - Includes computer system administration
  - remainder attached to specific projects
- About thirty graduate students
  - roughly half doctoral students and half Master’s students
  - various IT&E disciplines
Required Facilities

• For staff of 60:
  – 5000 square feet of laboratory space with physical security, power, ventilation, and state-of-the-art network connections for sixty computers
  – Within this, a conference room capable of seating twenty people comfortably and an office for the Director

• Classified Information
  – continue to have DoD classified security clearances through Top Secret
  – may include on-site storage of information classified up to Secret.
External Activities

• Web page
  – Reflects our achievements - we must keep it current!

• Seminars by C4I Center faculty and visitors
  – All C4I Center faculty asked to present or recruit one seminar per year
  – Many will be co-sponsored by departments
  – Center will publicize and provide light refreshments

• C4I Center Fellows from government and industry

• Annual event and report
  – C4I Center Review (next one planned for 19 May 2006)
  – Raise our visibility

• Advisory group
  – Nationally-recognized senior leaders
  – Organized by Director Emeritus Van Trees