



The Center for Information and Systems Engineering

CISE

SNConnect

**Engage students, faculty and industry
in projects to solve challenges
of mutual interest**

- 1. Provide and invest in a trained workforce meeting specialized needs**
- 2. Intrinsic satisfaction in developing people, ideas, and advancing research**
- 3. Great PR in collaborating in institutional activities**
- 4. Access and participation in research with a 5 year outlook**
- 5. Leverage the knowledge and skills of some very talented faculty**
- 6. Tackle timely technical challenges to speed bringing products to market**

Creating Effective Collaborations

Before we go any further.....

Recognize importance of mutual understanding and trust to build long term relationships

- **Acknowledge we have two different cultures**
 - e.g. differences in mission, motivations, planning horizon, outcomes

- **BU flexible on terms within the umbrella of -**
 - What you invent you own
 - What we invent we own
 - What we both invent, we both own

Different vehicles for these goals

- **“Student Projects”** -- Sr Design, MS Projects and the like
- **“Internships”** -- summer, Coop, etc.
- **“Consulting”** -- faculty-dedicated efforts outside of the university
- **“Sponsored Student”** -- an undergraduate, MS, or PhD student
- **“Sponsored Research”** -- funded efforts at mutual targets, often in collaboration with several partners
- **Variants on the above.**

“Quotes” because these are reference models

SNConnect: Examples

- **Course and capstone projects:**
 - One or two semesters
 - Low risk projects
 - Usually team based
- **Funded graduate research, two options:**
 - Project closely aligned within existing research agenda
 - Leverage federal funds
 - Company focused and directed
 - Custom/flexible terms
 - Either way, faculty also support the effort
- **If you are concerned about confidentiality or IP:**
 - Faculty can evaluate scope; separate proprietary from technical; then refer back to one of the above options
 - Faculty can consult or you can use summer student interns