

## **Models of Industrial Relations**

**Dan Siewiorek  
School of Computer Science  
Carnegie Mellon University  
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Five models of industrial relations that have been sustainable will be presented. The various models have evolved from the industrial relationships from three different NSF Engineering Research Centers (ERC).

- **Traditional Industrial Consortia of Established Companies**
  - Consortium (Data Systems Storage Center – DSSC)
    - Focused on an industrial sector
    - Tiered benefits/dues membership levels
  - Ecosystem (Quality of Life Technology center – QoLT)
    - Complementary stake holders: service providers, technology providers, thought leaders
- **Start-up companies**
  - Entrepreneurial Foundry – nurture startups (QoLT)
- **Industrial Laboratories**
  - Intel Science and Technology Centers
- **State/Academic Partnerships**
  - Pennsylvania Infrastructure Technology Alliance (PITA) – Engineering Design Research Center (EDRC) now Institute for Complex Engineered Systems (ICES)
    - Create technology and jobs with existing companies, new companies
- **Academic/Industrial Partnerships**
  - Pittsburgh Digital Green House – EDRC/ICES
    - Industrial funded consortium to develop technology and train students in a focused area