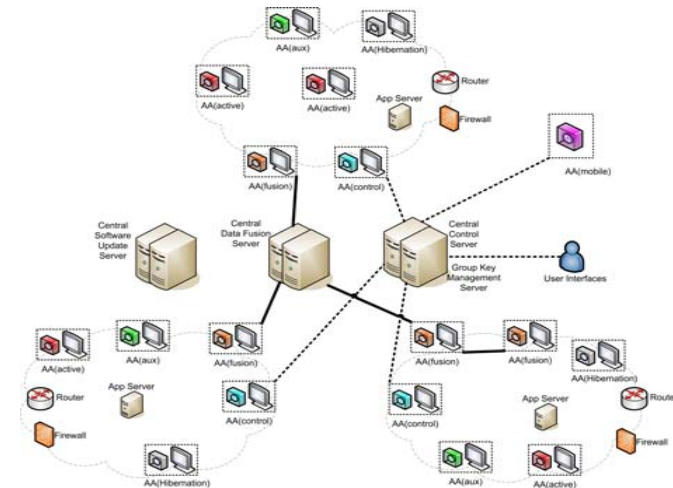


Dr. Yu Cai

Computer Network and System Administration program,
School of Technology, Michigan Technological University

- I excel at (?)
 - **Sustainable Computing**
 - Server virtualization
 - Power-aware datacenter
 - **Network Security**
 - QoS based defense
 - Autonomous agent
 - **Distributed Systems**
 - Multiple path routing
 - **Engineering Education**
 - Summer Youth Camp
 - Sustainability integration





Possible Collaboration

- **I can contribute in**
 - Sustainability Study
 - Energy efficiency
 - Numerical Simulations
 - Financial simulation
 - Security Research for Physical Infrastructure
 - Monitoring critical infrastructure
 - QoS provisioning
- **Contacts:**
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Sustainable Computing (Green Computing)

- What is it?
 - Sustainable computing is the study and practice of supporting business critical computing needs by using computing resources in an efficient and eco-friendly manner.
 - economic viability, social responsibility, and environmental impact
- Why pursue it?
 - the environmental impact and energy cost of computing devices and IT infrastructure



Sustainable Computing Topics

- energy-efficient computing
- power aware data center
- server visualization
- eco-friendly IT products
- simulation for sustainability study
- sustainable decision making
- power management
- electronic waste disposal and recycling
- regulatory compliance
- benchmark, measures and assessment for sustainable computing
- software engineering for sustainability
- Sustainable computing education