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**Research Interests:** cybersecurity, cloud computing, Internet of Things (IoT), unmanned vehicles security, social media analysis, cybersecurity education

## Smart Cyber Space (SCS):
## Proactive Autonomic Cyber-Security and Management Solutions

**Drone and autonomous vehicles**

**Internet of Things**

**Cloud Computing**

**Social Media Analysis**
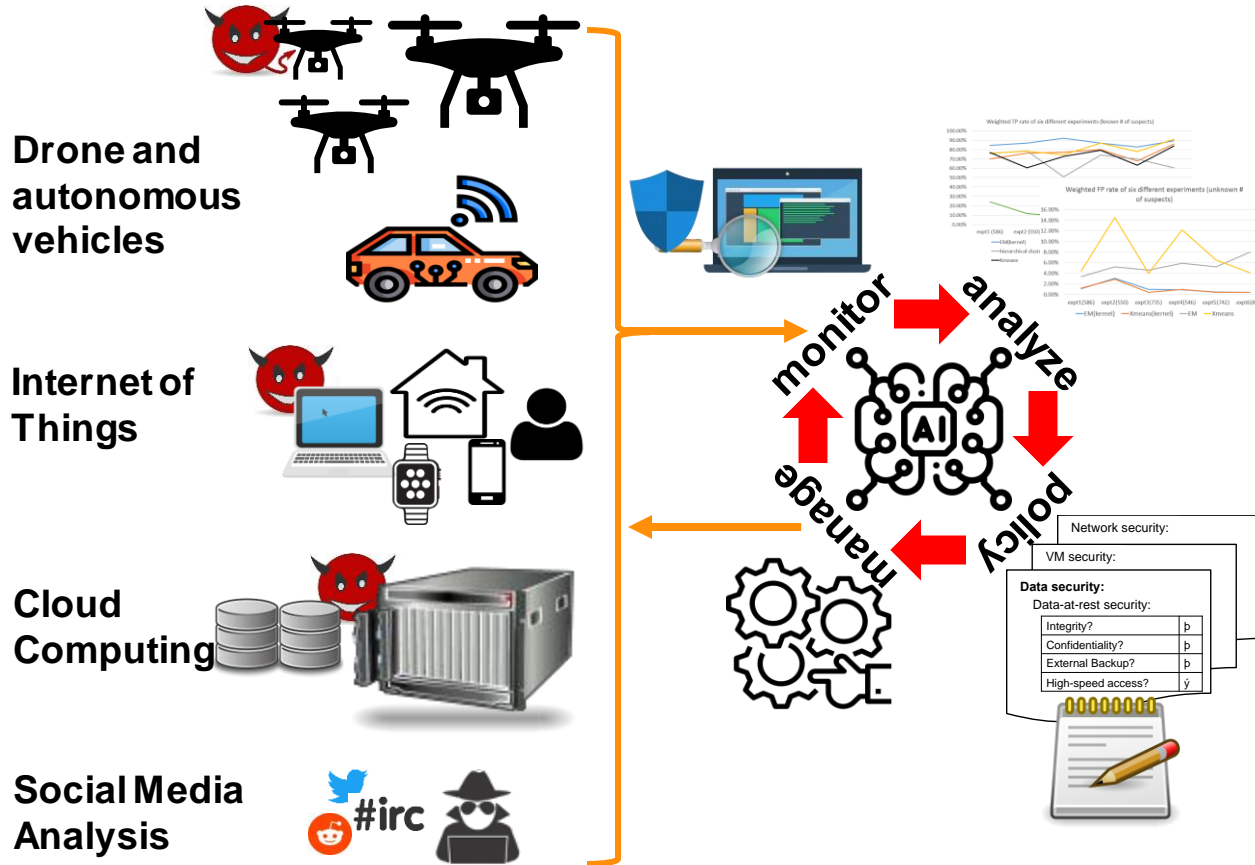


## Research problems

**How to monitor cyberspace?**
- Granularity
- Overhead

**What are the constraints?**
- Security
- Resiliency & fault-tolerance
- Power/energy consumption
- Performance
- Better utilization

**What to analyze?**
- Apps, platforms, resources, systems
- Network
- Cloud computing
- IoT/IIoT devices
- Smart environments
- Users (system/app usage)
- Social media

**How to detect & mitigate anomalies?**
- Signature vs anomaly based IDS/IPS
- Cyber-resiliency
- Moving target defense
- Autonomic computing

**How to identify threats in advance?**
- Social media analysis

**How to teach cybersecurity?**
- Theory
- Practice & experiments

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