

Aspiring PI Info:

- Tomas Cerny
- Associate Professor
- University of Arizona

**Research interests:**

- Software Architecture
- Cloud-native
- Architecture degradation
- Evolution
- Static analysis
- System Security

Current Project(s):

- Cloud-native analytics
- ICPC Global Infrastructure Services

Project Idea(s)...

- Modern systems are decentralized
 - Who can access which data in a decentralized ecosystem..?
- Privacy/compliance verification/assurance
 - System evolves
 - Privacy by Design vs. Privacy after Changes
- Compliance auditable systems
 - Certified with each change (observable change impact on privacy)
 - Privacy rule check across the system using component control and data flow
- Trustable system privacy
- Legislator instrument to impose privacy policies to vendors

... and possible collaborators sought

- Modeled and Verified Privacy Requirements
- Audited In Evolving Decentralized Systems
- Input/condition checking

