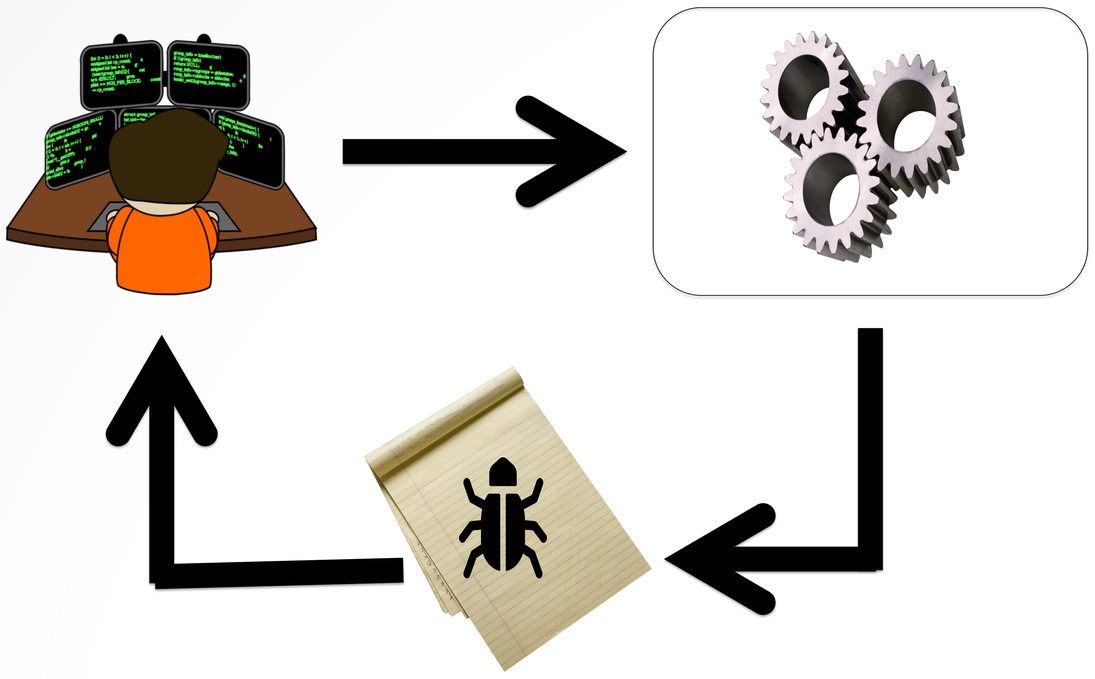
Exploring Defect Categories for Infrastructure as Code

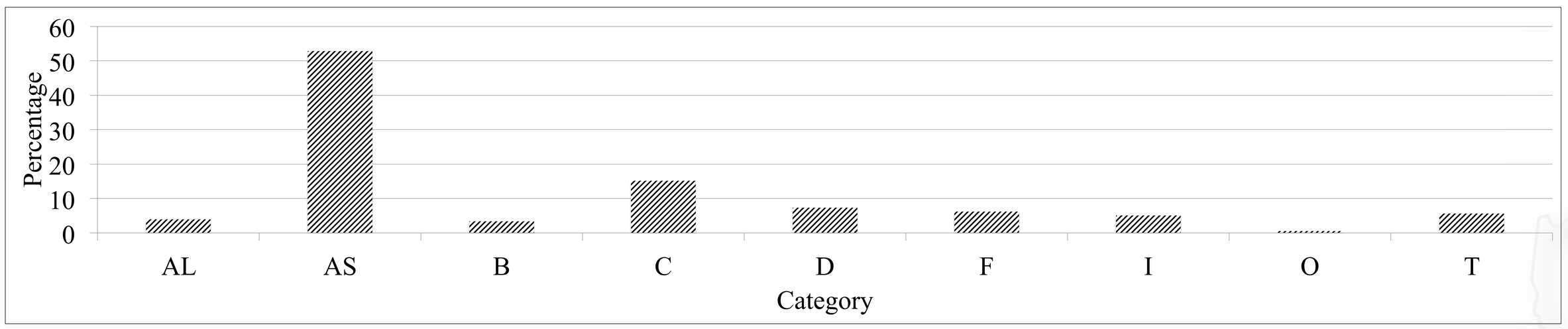
Akond Rahman and Laurie Williams, North Carolina State University

http://tiny.cc/s07kjy



Methodology

- Collect repositories
- Collect commit and bug messages
- Apply orthogonal defect classification (ODC)
- Categorize messages into nine categories



Uniqueness

- Categorization of IaC defects
- Potential Beneficiaries:
  - IT Infrastructure Community
  - DevOps Community

Future Work

- Automatic prediction of IaC defects via static code metrics
- Automatic prediction of IaC defects via text mining

Benefits & Collaboration

- Collaborate with research and industry partners

HoTSoS Symposium and Bootcamp
HOT TOPICS *in the* **SCIENCE OF SECURITY**
APRIL 4-5, 2017 | HANOVER, MARYLAND