

# Collaborative Research: Making Software Engineering Work for Computational Science & Engineering: An Integrated Approach

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## SE-CSE Workshops

<http://SE4Science.org>



Software Engineers and Scientists

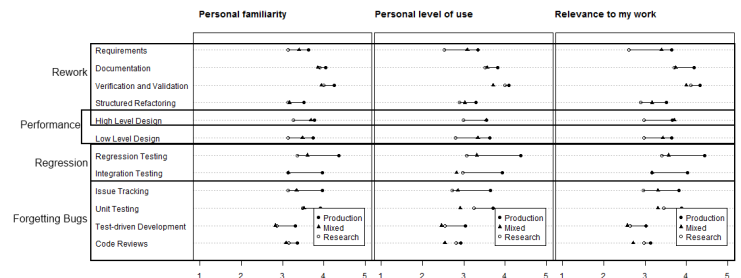
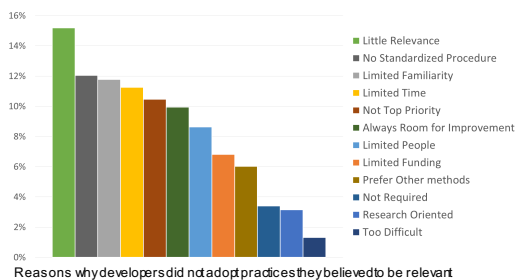
Held at ICSE, SC, ICCS

Facilitate Discussion and Collaboration

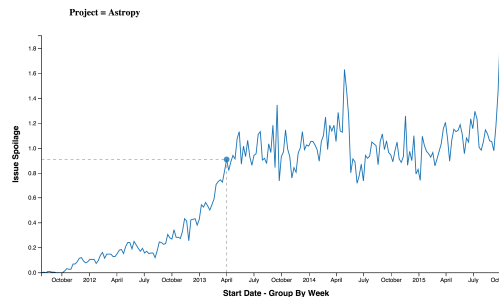
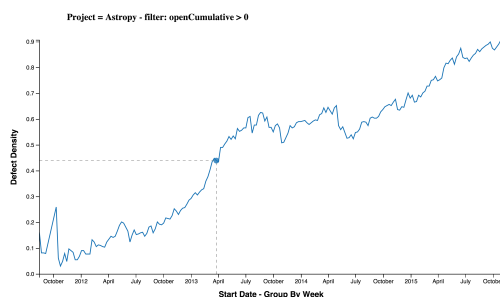
Recent/future workshops partially supported by this grant

Upcoming: ICSE (Austin, TX)  
SC'16 [Proposed]

## Relevance and Use of Software Engineering Practices: Survey Results



## Metrics Dashboard & Survey



### Metrics Dashboard Status

- Web service deployed on AWS to compute and report defect density / issue spoilage from live *git* repository data
- Currently tracking ~20+ scientific software projects (most from GitHub)
- Web site to visualize results of web service at [metricsdashboard.cs.luc.edu](http://metricsdashboard.cs.luc.edu)

### Metrics Survey Status

- Survey underway to assess metrics that would be helpful to scientific software teams
- Aimed at understanding metrics usage and interest among scientific teams
- Results will help us expand the current prototype service/site to address project needs
- Survey period closing in March/April

The core Metrics Dashboard development team at Loyola University Chicago is George K. Thiruvathukal, Nicholas J. Hayward, Shipika, Saulo Aguiar, and Konstantin Läufer.