

MSR 2012 @ ICSE

- Mining Software Repository 2012 @ ICSE
 - MSR(MicroSoft Research) talk @ MSR(Mining Software Repositories)
 - Towards Improving BTS with Game Mechanisms
 - GHTorrent
 - Topic Mining
 - SeCold

- The evolution of software
- Do Faster Releases Improve Software Quality?
- Security vs Performance Bugs in Firefox
- - commit
 - slides
 -

Mining Software Repository 2012 @ ICSE

MSR University of Zurich 3Yang
“Japan, Japan”

MSR(MicroSoft Research)
talk @ MSR(Mining Software Repositories)

MicroSoft Research @ Asia, MSR Asia
Keynotes MSRMSRMSRDongmei Zhang
Software AnalysisXIAOXIAOMSRACode Clone
DetectorXiao

Towards Improving BTS with Game Mechanisms

<http://www.joelonsoftware.com/items/2008/09/15.html>

Issue Tracking stackoverflow
wikipediaIssue Tracking MSDNwikipedia
MSDN wikipedia

GHTorrent

slide
<http://www.slideshare.net/gousiosg/ghtorrent-githubs-data-from-a-firehose-13184524>

Data exporter for github. Githubgit
wikigit issue trackingcode comments
github api apitorrentshistorygithub api

jsonbsonMongoDBSchema MySQLSQL

GitWiki TorrentGit git blame

code comment gitraw dategit github

Topic Mining

DE AICFirefox, Mylyn, Eclipse

Repoidentifiercomments topicbugtopicbug

bug bug

Slide

SeCold

A linked data platform for mining software
repositories

The evolution of software

KeynotesSocial MediaSoftware
Development Githubcomment, Tags, uBlog,
blog socialIDE

Do Faster Releases Improve Software Quality?

Firefox

bugcrashbug

Security vs Performance Bugs in Firefox

Performance bugs are regression, blocks
release.

commit

gitMSR gitbranchgit commit
commitbugfeature commit

commit

issuecommit

slides

``Incorporating Version Histories in
Information Retrieval Based Bug Localization"
slidebeameroverlay beamerslide
3slidebeamer

``Towards Improving Bug Tracking Systems
with Game Mechanisms" prezi

Apple KeynotesKeynotesPowerpoint

PPTMSRAPPTbeamer overlayPPT

``Green Mining: A Methodology of Relating
Software Change to Power Consumption"slide``
"

[http://softwareprocess.es/a/greenmining-
presentation-at-queens-20120522.ogv](http://softwareprocess.es/a/greenmining-
presentation-at-queens-20120522.ogv)

MSR2012Mining Challenge Xbox

Kinect

Mining Android Bug

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