



MSR Mining Challenge 2006

May 23, 2006, special track within MSR 2006, co-located with ICSE 2006
Shanghai, China

Call for Participation: Tools @ Work

This year's International Workshop on Mining Software Repositories (MSR 2006) will host a software repositories mining challenge. The MSR Mining Challenge brings together researchers and practitioners who are interested in applying, comparing, and challenging their mining tools and approaches on software repositories for two common open source projects: *PostgreSQL* and *ArgoUML*.

The input data sources for the challenge comprise: source code releases, source control data, bug data, mailing lists, execution traces, design and project documentation. The basic data sources of both open source projects are available online and can be downloaded from the projects web sites. For PostgreSQL go to <http://www.postgresql.org>. For ArgoUML go to <http://argouml.tigris.org>.

Since many mining approaches require advanced extraction techniques to process the basic data sources, participants are encouraged to collaborate by sharing extracted data and co-authoring their reports. To facilitate and encourage the sharing of extracted repository data and early results, a dedicated discussion list (<http://groups.google.com/group/msrchallenge06>) has been established.

Research questions addressed in the challenge must be in the following mining areas:

- Bug (defect) analysis and prediction
- Change impact, propagation, and coupling analysis
- Architecture and design quality analysis
- Process analysis
- Team structure and interaction analysis

Participating in the challenge is straight forward:

1. Select your OSS project
2. Select your mining area
3. Get the available project data
4. Formulate your mining questions
5. Use your tool(s) to answer them
6. Write up and submit your challenge report

The **challenge report** describes the results of your work. The reports should cover the following aspects: Questions addressed, input data, approach and tools used, derived results and interpretation of them, and conclusions. Reports should be at most 2 pages long and in ACM 2-columns format.

Report submission is via email to: msrchallenge06@msr.uwaterloo.ca. Reports are due on *February 24, 2006 (Apia Time)*. Each report will undergo a thorough review and accepted challenge reports will be published in the ACM digital library as part of the MSR 2006 proceedings. The authors of accepted papers will be invited to give a presentation and live demo on-site at the MSR workshop in the special MSR Challenge track.

Important Dates

Challenge reports due: *February 24, 2006*

Author Notifications: *March 6, 2006*

Camera-ready version due: *March 14, 2006 (firm!)*

Information: visit: <http://msr.uwaterloo.ca/challenge> or email to: msrchallenge06@msr.uwaterloo.ca

Organizers: Martin Pinzger (Chair) and Harald Gall, University of Zurich, Switzerland