

MSR '14/ICSE '14 in

Hyderabad, India

参加報告

大平雅雄

MSR '14

- ソフトウェアリポジトリマイニングに関する研究を議論するための国際会議
 - ▶ 今回で11回目（11年目）
 - ▶ 若手研究者の登竜門
 - ▶ シングルセッション（すべての発表をみれる）



Is Mining Software Repositories
Data Science?

Author:
Ravi Lohith
and others

ICSE 2014
Hyderabad, India • May 31 - June 7, 2014

36th International Conference on Software Engineering
Hyderabad, India • May 31 - June 7, 2014

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Preprocessing CVS Data
for Fine-Grained Analysis
- Tim Young

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Preprocessing CVS Data
for Fine-Grained Analysis
- Tim Young



MSR '14 : 今年の傾向

- <http://www.slideshare.net/hunkim/msr2014-opening?ref=http://2014.msrrconf.org/#>

MSR '14 : to read

- Code Clones and Origin Analysis (前田君)
 - Prediction and Ranking of Co-change Candidates for Clones
 - Manishankar Mondal, Chanchal K. Roy and Kevin Schneider (University of Saskatchewan, Canada)
 - Incremental Origin Analysis of Source Code Files
 - Daniela Steidl, Benjamin Hummel and Elmar Juergens (CQSE, Germany)
- Oops! Where Did That Code Snippet Come From?
 - Lisong Guo, Julia Lawall and Gilles Muller (INRIA, France; LIP6, France; Sorbonne, France; UPMC, France)

MSR '14 : to read

- Data showcase teasers

- (Best Data Showcase Award) A dataset for pull-based development research
 - Georgios Gousios and Andy Zaidman (Delft University of Technology, Netherlands)
- The Bug Catalog of the Maven Ecosystem
 - Dimitris Mitropoulos, Vassilios Karakoidas, Panagiotis Louridas, Georgios Gousios and Diomidis Spinellis (Athens University of Economics and Business, Greece; Delft University of Technology, Netherlands)
- A Dataset of Feature Additions and Feature Removals from the Linux Kernel
 - Leonardo Passos and Krzysztof Czarnecki (University of Waterloo, Canada)
- Kataribe: A Hosting Service of Histrorage Repositories - Fine-Grained Analaysis for all
 - Kenji Fujiwara, Hideaki Hata, Erina Makihara, Yusuke Fujihara, Naoki Nakayama, Hajimu Iida and Ken-Ichi Matsumoto (NAIST, Japan)
- Lean GHTorrent: GitHub data on demand
 - Georgios Gousios, Bogdan Vasilescu, Alexander Serebrenik and Andy Zaidman (Delft University of Technology, Netherlands; Eindhoven University of Technology, Netherlands)
- A Code Clone Oracle
 - Daniel Krutz and Wei Le (Rochester Institute of Technology, USA)
- Generating Duplicate Bug Datasets
 - Alina Lazar, Sarah Ritchey and Bonita Sharif (Youngstown State University, USA)
- FLOSS 2013: A survey dataset about free software contributors. Challenges for curating, sharing and combining
 - Gregorio Robles, Laura Arjona-Reina, Bogdan Vasilescu, Alexander Serebrenik and Jesús M. González-Barahona (Universidad Rey Juan Carlos, Spain; Universidad Politécnica de Madrid, Spain; Eindhoven University of Technology, Netherlands)
- Models of OSS Project Meta-Information: A Dataset of Three Forges
 - James Williams, Davide Di Ruscio, Nicholas Matragkas, Dimitris Kolovos and Juri Di Rocco (University of York, UK; University of L'Aquila, Italy)
- A Dataset of Clone References with Gaps
 - Hiroaki Murakami, Yoshiki Higo and Shinji Kusumoto (Osaka University, Japan)
- Maven Components and Bug Patterns in them
 - Hitesh Sajnani, Vaibhav Saini, Joel Ossher and Cristina Lopes (University of California at Irvine, USA)
- OpenHub: A scalable architecture for the analysis of software quality attributes
 - Gabriel Farah, Juan Tejada and Dario Correal (Universidad de los Andes, Colombia)
- Understanding software evolution: the Maisqual Ant data set
 - Boris Baldassari and Philippe Preux (SQuORING Technologies, France; LIFL, France; CNRS, France; INRIA, France; University of Lille, France)

MSR '14 : to read

- Mining Repos and QA sites
 - The Promises and Perils of Mining GitHub
 - Eirini Kalliamvakou, Georgios Gousios, Kelly Blincoe, Leif Singer, Daniel German and Daniela Damian(University of Victoria, Canada; Delft University of Technology, Netherlands)
- Process Mining Multiple Repositories for Software Defect Resolution from Control and Organizational Perspective
 - Monika Gupta, Ashish Sureka and Srinivas Padmanabhuni (IIIT Delhi, India; Infosys, India)

MSR '14 : to read

- Bug Characterizing
 - Works For Me! Characterizing Non-reproducible Bug Reports
 - Mona Erfani Joorabchi, Mehdi Mirzaaghaei and Ali Mesbah (University of British Columbia, Canada)
 - Characterizing and Predicting Blocking Bugs in Open Source Projects
 - Harold Valdivia Garcia and Emad Shihab (Rochester Institute of Technology, USA)
- An Empirical Study of Dormant Bugs
 - Tse-Hsun Chen, Meiyappan Nagappan, Emad Shihab and Ahmed E. Hassan (Queen's University, Canada; Rochester Institute of Technology, USA)

MSR '14 : to read

- Defect Prediction
 - An Empirical Study of Just-In-Time Defect Prediction Using Cross-Project Models
 - Takafumi Fukushima, Yasutaka Kamei, Shane McIntosh, Kazuhiro Yamashita and Naoyasu Ubayashi (Kyushu University, Japan; Queen's University, Canada)
 - (Distinguished Paper Award) Towards Building a Universal Defect Prediction Model
 - Feng Zhang, Audris Mockus, Iman Keivanloo and Ying Zou (Queen's University, Canada; Avaya Labs Research, USA)

MSR '14 : to read

- Short papers
 - Innovation diffusion in Open Source Software
 - Remco Bloemen, Chintan Amrit, Stefan Kuhlmann and Gonzalo Ordóñez-matamoros(University of Twente, Netherlands)
 - New Features for Duplicate Bug Detection
 - Nathan Klein, Christopher Corley and Nicholas Kraft (Oberlin College, USA; University of Alabama, USA)
 - Collaboration in Open-Source Projects: Myth or Reality?
 - Yuriy Tymchuk, Andrea Mocci and Michele Lanza (University of Lugano, Switzerland)
 - It's Not A Bug, It's A Feature: Does Misclassification Affect Bug Localization?
 - Pavneet Singh Kochhar, Tien-Duy Le and David Lo (Singapore Management University, Singapore)

MSR '14 : to read

- Code Review and Code Search
 - (Distinguished Paper Award) The Impact of Code Review Coverage and Code Review Participation on Software Quality: A Case Study of the Qt, VTK, and ITK Projects
 - Shane McIntosh, Yasutaka Kamei, Bram Adams and Ahmed E. Hassan (Queen's University, Canada; Kyushu University, Japan; Polytechnique Montréal, Canada)
- Modern Code Reviews in Open-Source Projects: Which Problems Do They Fix?
 - Moritz Beller, Alberto Bacchelli, Andy Zaidman and Elmar Jürgens (Delft University of Technology, Netherlands; CQSE, Germany)

Road to MSR '15

- Important Dates (参考：今年の締切. 例年この時期になる)

- **Research and Practice papers**

- **Abstract due: January 31, 2014** (12月から書き始めてちょうどいい感じ)

- **Papers due: February 7, 2014**

- Author notification: March 10, 2014

- **Challenge**

- Papers due: February 21, 2014

- Author notification: March 10, 2014

- **Data**

- Abstract due: February 16, 2014

- Papers due: February 21, 2014

- Author notification: March 10, 2014

ICSE '14

- ソフトウェア工学に関する研究を議論するための国際会議（名実共にトップカンファレンス）
 - ▶ 今回で36回目
 - ▶ 日本人の発表は2, 3年に1回程度の難関会議
 - ▶ パラレルセッション（すべての発表をみれない）





36th International Conference on Software Engineering

Hyderabad, India, June 7-13, 2014

ICSE 2014

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Oracle
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Bosch
K. Prasad
Knowledge









ICSE '14：今年の傾向

- <http://www.icse-conferences.org/sc/ICSE/2014/ICSE-2014-PC-Chairs-Report.pdf>

ICSE '14 : to read

- 面白い&発表をみてきたもの⇒Dropbox
- その他にもあるはずなので自分でもサーベイしましょう
 - <http://2014.icse-conferences.org/MainConference>

Road to ICSE '15 in Firenze, Italy

- **Technical Research: 5 SEPT, 2014**
- **Joint SE Education and Training (JSEET) / Software Engineering In Practice (SEIP)/ Software Engineering in Society (SEIS): 24 OCT, 2014**
- **New Ideas and Emerging Results (NIER) / Doctoral Symposium / Demonstrations: 21 NOV, 2014**
- **Posters: 13 JAN, 2015**