ICPC’16 - Monday, May 16

ICPC 2016 OPENING
Session Chairs: Jonathan I. Maletic and Gabriele Bavota
Keynote: Better Code
Sean Parent, Adobe Systems

COFFEE BREAK

TECHNICAL RESEARCH 1: CODE QUALITY
Room: Trinity | Session Chair: Michele Lanza
A Textual-based Technique for Smell Detection
Fabio Palomba, Annibale Panichella, Andrea De Lucia, Rocco Oliveto, and Andy Zaidman
Context-Based Code Smells Prioritization for Prefactoring
Natthawute Sae-Lim, Shinpei Hayashi, and Motoshi Saeki
Do Code Smells Hamper Novice Programming? A Controlled Experiment on Scratch Programs
Felienne Hermans and Efthimia Aivaloglou
Improving Code Readability Models with Textual Features
Simone Scalabrino, Mario Linares-Vásquez, Denys Poshvyanyk, and Rocco Oliveto

LUNCH BREAK

TECHNICAL RESEARCH 2: PROGRAM COMPREHENSION
Room: Trinity | Session Chair: Romain Robbes
Multistaging to Understand: Distilling the Essence of Java Code Examples
Huascar Sanchez, Jim Whitehead, and Martin Schaef
Navigating the WordPress Plugin Landscape
Mark Hills
A Case Study of Program Comprehension Effort and Technical Debt Estimations
Vallary Singh, Lori Pollock, Will Snipes, and Nicholas A. Kraft
On Method Ordering
Yorai Geffen and Shahar Maoz

COFFEE BREAK

TECHNICAL RESEARCH 3: SUPPORTING SOFTWARE DEVELOPERS
Room: Trinity | Session Chair: Denys Poshvyanyk
Identifying Modularization Patterns by Visual Comparison of Multiple Hierarchies
Fabian Beck, Jan Melicher, and Daniel Weiskopf
Glyph-Based Software Component Identification
Ignacio Fernandez, Alexandre Bergel, Juan Pablo Sandoval Alcocer, Alejandro José Infante Rica, and Tudor Girba
Taming the IDE with Fine-grained Interaction Data
Roberto Minelli, Andrea Mocci, Romain Robbes, and Michele Lanza
Learning to Rank for Bug Report Assignee Recommendation
Yuan Tian, Dinusha Wijedasa, David Lo, and Claire Le Goues

MEET FOR WALK TO BANQUET

BANQUET: NORTH BY NORTHWEST STONELAKE, 10010 N CAPITAL OF TX HWY, AUSTIN, TX 78759
ICPC’16 - Tuesday, May 17

9:00 - 10:15 am

Most Influential Paper
Room: Trinity | Session Chairs: Jonathan I. Maletic and Gabriele Bavota
What’s in a Name? A Study of Identifiers (ICPC’06)
Dawn Lawrie, Christopher Morrell, Henry Feild, and David Binkley

Tool Demonstration Introduction
10:15 - 10:30 am

Coffee Break
10:30 - 11:00 am

TOOL DEMONSTRATIONS
Room: Trinity | Session Chair: Feliennie Hermans
FeedBaG: An Interaction Tracker for Visual Studio
Sven Amann, Sebastian Proksch, and Sarah Nadi

InfectoMeter: A Tool that Helps to Place Bug Fixes
Mohammad Azadmanesh and Matthias Hauswirth

Inline: Now You’re Coding with Portals
Alexander Breckel and Matthias Tichy

WAVI: A Reverse Engineering Tool for Web Applications
Jonathan Cloutier, Ségla Kpodjedo, and Ghizlane El Boussaidi

PORBS: A Parallel Observation-based Slicer
Syed Islam and Dave Binkley

STAC: A Tool for Static Textual Analysis of Code
Saket Khatiwada, Michael Kelly, and Anas Mahmoud

Hey! Are You Injecting Side Effect?: A Tool for Detecting Purity Changes in Java Methods
Naoto Ogura, Jiachen Yang, Keisuke Hotta, Yoshi Higo, and Shinji Kusumoto

WB4SP: A Tool to Build the Word Base for Specific Programs
Weisong Sun, Xiaobing Sun, Hui Yang, and Bin Li

11:00 - 12:30 pm

LUNCH BREAK

12:30 - 2:00 pm

SHORT PAPERS 1: GETTING DEEP INSIGHT INTO YOUR SOFTWARE
Room: Pecos | Session Chair: Bogdan Dit

Investigating the Android Apps’ Success: An Empirical Study
Latifa Guerrouj and Olga Baysal

RFIT: Retrofitting Automatic Testing through Library Tests Reusing
Lei Ma, Cheng Zhang, Bing Yu, and Jianjun Zhao

Measuring Energy Footprint of Software Features
Syed Islam, Adel Noureddine, and Rabih Bashroush

Human-Machine Resolution of Invisible Control Flow
Suraj Kothari, Ahmed Tamrani, and Jon Mathews

Extracting Configuration Parameter Interactions using Static Analysis
Chelsea Metcalf, Farhaan Fowze, Tuba Yavuz, and Jose Fortes

Android Build Dependency Analysis
Bo Zhang, Vasil Tenev, and Martin Becker

2:00 - 3:30 pm

SHORT PAPERS 2: COMPREHENSION YOU CAN USE
Room: Pecos | Session Chair: Latifa Guerrouj

Software Development and Tool Usability
Brian Dillon and Richard Thompson

Detecting Exploratory Programming Behaviors for Introductory Programming Exercises
Erina Makihara, Hiroshi Igaki, Norihiro Yoshida, Kenji Fujiwara, and Hajimu Iida

Embedding Programming Context into Source Code
Alexander Breckel and Matthias Tichy

Synchronized Static and Dynamic Visualization in a Web-Based Programming Environment
Jeong Yang, Young Lee, and David Hicks

Case Studies of Optimized Sequence Diagram for Program Comprehension
Madhusudan Srinivasan, Jeong Yang, and Young Lee

Comprehending Source Code of Large Software System for Reuse
Aniket Kulkarni

3:30 - 4:00 pm

SHORT PAPERS 3: ATTACK OF THE DEVELOPMENT TEAM
Room: Pecos | Session Chair: Lingxiaojia Jiang

Defending Against the Attack of the Micro-clones
Rijnard van Tonder and Claire Le Goues

Towards Quality Gates in Continuous Delivery and Deployment
Gerald Schermann, Jürgen Cito, Philipp Leitner, and Harald Gall

Revisiting the Relationship Between Code Smells and Refactoring
Norihiro Yoshida, Tsubasa Saika, Eunjong Choi, Ali Ouni, and Katsuro Inoue

Generating Clone References with Less Human Subjectivity
Yusuke Yuki, Yoshi Higo, Keisuke Hotta, and Shinji Kusumoto

Understanding Interactive Debugging with Swarm Debug Infrastructure
Fabio Pettrillo, Zéphyrin Soh, Foutse Khomh, Marcelo Pimenta, Carla Freitas, and Yann-Gaël Guéhéneuc

4:00 - 5:30 pm

COFFEE BREAK

5:30 - 6:30 pm

TECHNICAL RESEARCH 5: ASSESSING CODE
Room: Trinity | Session Chair: Lori Pollock

Identifying Functionally Similar Code in Complex Codebases
Fang-Hsiang Su, Jonathan Bell, Gail Kaiser, and Simha Seshumadavhan

On Automatically Detecting Similar Android Apps
Mario Linares-Vasquez, Andrew Holtzhauer, and Denys Poshyvanyk

Rule-Directed Code Clone Synchronization
Xiao Cheng, Hao Zhong, Yuting Chen, Zhenjiang Hu, and Jianjun Zhao

Are Unreachable Methods Harmful? Results from a Controlled Experiment
Simone Romano, Christopher Vendome, Giuseppe Scanniello, and Denys Poshyvanyk

5:30 - 6:30 pm

OPEN STEERING COMMITTEE MEETING WITH PRESENTATION OF ICPC 2017
Room: Trinity