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Performance-Based Guidelines for Energy Efficient Mobile Applications
Luis Cruz and Rui Abreu
— University of Porto; University of Lisbon

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Tobias Dürschmid, Matthias Trapp, and Jürgen Döllner
— University of Potsdam

Rethinking the Mobile Code Offloading Paradigm: From Concept to Practice
Jose I. Benedetto, Andres Neyem, Jaime Navon, and Guillermo Valenzuela
— Pontificia Universidad Católica de Chile

Generating Predicate Callback Summaries for the Android Framework
Danilo Dominguez Perez and Wei Le
— Iowa State University

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Mohamed Ali, Mona Erfani Joorabchi, and Ali Mesbah
— University of British Columbia

An Approach to Modeling Call Response Behavior on Mobile Phones Based on Multi-Dimensional Contexts
Iqbal H. Sarker, Muhammad Ashad Kabir, Alan Colman, and Jun Han
— Swinburne University of Technology; Charles Sturt University

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John Wamburu, David Kaguma, Michiaki Tatsubori, Aisha Walcott-Bryant, Reginald E. Bryant, and Komminist Woldemariam
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Technical Papers: Development

Code Smells in iOS Apps: How Do They Compare to Android?
Sarra Habchi, Geoffrey Hecht, Romain Rouvoy, and Naouel Moha
— Inria/University of Lille; Université du Québec à Montréal; French University Institute

Detecting Android Smells Using Multi-Objective Genetic Programming
Marouane Kessentini and Ali Ouni
— University of Michigan; United Arab Emirates University
Mobile App Development and Management: Results from a Qualitative Investigation
Rita Francese, Carmine Gravino, Michele Risi, Giuseppe Scanniello, and Genoveffa Tortora
— University of Salerno; University of Basilicata

Technical Papers: Security

ACCUSE: Helping Users to Minimize Android App Privacy Concerns
Majda Moussa, Massimiliano Di Penta, Giuliano Antoniol, and Giovanni Beltrame
— Ecole Polytechnique de Montréal; University of Sannio

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Akond Rahman, Priysha Pradhan, Asif Partho, and Laurie Williams
— North Carolina State University; Nested Apps

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— Ohio State University

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Daniel E. Krutz, Nuthan Munaiah, Anthony Peruma, and Mohamed Wiem Mkaouer
— Rochester Institute of Technology

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— University of Luxembourg; Washington State University; Singapore Management University

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CheckDroid: A Tool for Automated Detection of Bad Practices in Android Applications Using Taint Analysis
Sergio Yovine and Gonzalo Winniczuk
— CONICET-Universidad de Buenos Aires; Universidad de Buenos Aires

Authentication in Selected Mobile Data Collection Systems: Current State, Challenges, Solutions and Gaps
Marriette Katarahweire, Engineer Bainomugisha, and Khalid A. Mughal
— Makerere University; University of Bergen

A Framework for Regression Testing of Outdoor Mobile Applications
Carlo Bernaschina, Roman Fedorov, Darian Frajberg, and Piero Fraternali
— Politecnico di Milano

Dynamic Encryption Key Security Scheme (DEKSS) for Mobile and Cloud Systems
Stephen Rodriguez and Paolina Centonze
— IONA College
New Ideas

Towards the Quality Improvement of Cross-Platform Mobile Applications

Matias Martinez and Sylvain Lecomte
— University of Valencienne

Towards Mobile Twin Peaks for App Development

Giovanna Avellis, Julian Harty, and Yijun Yu
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A Set of Metrics for the Effort Estimation of Mobile Apps

Gemma Catolino, Pasquale Salza, Carmine Gravino, and Filomena Ferrucci
— University of Salerno

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Using Parsing Agents as a Service for Data Privacy

Stephen Rodriguez
— IONA College

Just-In-Time Bug Prediction in Mobile Applications: The Domain Matters!

Gemma Catolino
— University of Salerno

Toward Client-Centric Approaches for Latency Minimization in Mobile Applications

Yixue Zhao
— University of Southern California

Tool Demo and Mobile Apps: Energy

Leafactor: Improving Energy Efficiency of Android Apps via Automatic Refactoring

Luis Cruz, Rui Abreu, and Jean-Noël Rouvignac
— University of Porto; University of Lisbon; ForgeRock

Tool Demo and Mobile Apps: Development

IFMLEdit.org: Model Driven Rapid Prototyping of Mobile Apps

Carlo Bernaschina, Sara Comai, and Piero Fraternali
— Politecnico di Milano

Configuration Service for Mobile Apps

Nili Guy-Ifergan, Dmitri Pikus, Idan Ben-Harrush, and Vadim Eisenberg
— IBM Research-Haifa

Authoring Tool for Location-Based Learning Experiences

Agustina M. Zimbello, Federico M. Alconada Verzini, Cecilia Challiol, Alejandra B. Literes, and Silvia E. Gordillo
— Universidad Nacional de La Plata; CONICET; CICPBA

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Patrick McAfee, Mohamed Wiem Mkaouer, and Daniel E. Krutz
— Rochester Institute of Technology
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Kevin Moran, Richard Bonett, Carlos Bernal-Cárdenas, Brendan Otten, Daniel Park, and Denys Poshyvanyk
— College of William & Mary

Tool Demo and Mobile Apps: Security

M-Perm: A Lightweight Detector for Android Permission Gaps

Piper Chester, Chris Jones, Mohamed Wiem Mkaouer, and Daniel E. Krutz
— Rochester Institute of Technology

P-Lint: A Permission Smell Detector for Android Applications

Colton Dennis, Daniel E. Krutz, and Mohamed Wiem Mkaouer
— Rochester Institute of Technology

Tool Demo and Mobile Apps: Image Processing

Towards Native Code Offloading Platforms for Image Processing in Mobile Applications:
A Case Study

Guillermo Valenzuela, Andres Neyem, Jose I. Benedetto, Jaime Navon, Pablo Sanabria, Juan A. Karmy, and Felipe Balbontín
— Pontificia Universidad Católica de Chile; Galerie App

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