Experiences and Empirical Studies on Software Reuse
Reverse Engineering for Variability

26th ACM International Systems and Software Product Line Conference

WEESR and REVE Workshop

Experiences and Empirical Studies on Software Reuse
Reverse Engineering for Variability
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WEESR and REVE Workshop

Opening and welcome notes
WEESR & REVE Organizers

Luisa Rincón, Pontificia Universidad Javeriana Cali, Colombia

Ángela Villota, Universidad ICESI, Colombia

Jaime Chavarriaga, Universidad de Los Andes, Colombia

Roberto E. Lopez-Herrejon, Ecole de technologie supérieure, Montreal, Canada

Wesley K. G. Assunção, Johannes Kepler University Linz, Austria, and Pontifical Catholic University of Rio de Janeiro (PUC-Rio), Brazil

Tewfik Ziadi, Sorbonne University, UPMC Univ Paris 06, CNRS, Paris, France

Jabier Martinez, Software and Systems Lifecycle Innovation, Tecnalia, Spain
History of WEESR

Workshop on Experiences and Empirical Studies on Software Reuse (5th edition today)

An space where researchers and practitioners can present their experiences and studies on the area of software reuse, discuss the challenges that must be overcome in non-academic environments and obtain feedback on how the corresponding empirical research may be conducted and improved

● WEESR@ICAI 2018
● WEESR@SPLC 2019, 2020, 2021
History of REVE

Workshop on Reverse Engineering for Variability (10th edition today)

This workshop aims to foster research about making the most of the two main inputs for SPL migration:

1) **domain knowledge** and 2) **legacy assets**

Processes, techniques, tools, or empirical studies related to the automatic, semi-automatic or manual extraction or refinement of SPL assets

- **REVE@SPLC from 2014 to 2021**
- **REVE@CSMR 2013**
Titles & abstracts
Paper presentations

- **Synchronizing software variants: A two-dimensional approach**  
  Christoph König, Kamil Rosiak, Lukas Linsbauer and Ina Schaefer

- **Trust Challenges In Reusing Open Source Software: An Interview-based Initial Study**  
  Javad Ghofrani, Paria Heravi, Kambiz Aghababazadeh Babaei and Mohammad Divband Soorati

- **Design for the analysis of variability management in the industry**  
  Ana Eva Chacón-Luna, Antonio Manuel Gutierrez, David Benavides and Lidia Fuentes

- **A Prototype of a Crowd-sourcing Platform for Classification and Integration of Analysis Tools in Product Line Engineering**  
  Mohammadali Soleymani, David Morais Ferreira, Vasil Tenev and Martin Becker
Paper presentations with discussants

- **Synchronizing software variants: A two-dimensional approach**
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Thanks to the PC

**REVE**
- Eduardo Figueiredo, Federal University of Minas Gerais, Brazil
- Jaime Chavarriaga, University of Los Andes, Colombia
- Jaime Font, University San Jorge, Spain
- Jennifer Perez, Universidad Politécnica de Madrid, Spain
- Marianne Huchard, LIRMM, Université de Montpellier and CNRS, France
- Paul Temple, University of Namur, Belgium

**WEESR**
- David Benavides, Universidad de Sevilla, Spain
- Rick Rabiser, Johannes Kepler University, Austria
- Thomas Fogdal, Danfoss Power Electronics A/S, Denmark
- José Galindo, Universidad de Sevilla, Spain
- Jabier Martinez, Tecnalia, Spain
- Martin Becker, Fraunhofer Institute for Experimental Software Engineering (IESE), Germany
- Héctor Florez, Universidad Distrital Francisco José de Caldas, Colombia
- Helga Duarte, Universidad Nacional de Colombia, Colombia
- Julio Hurtado, Universidad del Cauca, Colombia
WEESR and REVE 2022

Social Coding Platforms Facilitate Variant Forks

Serge Demeyer
Professor at the University of Antwerp (Department of Mathematics and Computer Science) and the spokesperson for the NEXOR research consortium
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| 9:15  | **Social Coding Platforms Facilitate Variant Forks**  
Serge Demeyer                                                   |
| 10:00 | **Break (30 min)**                                                                                               |
| 10:30 | **Synchronizing software variants: A two-dimensional approach**  
Christoph König, Kamil Rosiak, Lukas Linsbauer and Ina Schaefer |
| 10:50 | **Trust Challenges In Reusing Open Source Software: An Interview-based Initial Study**  
Javad Ghofrani, Paria Heravi, Kambiz Aghababazadeh Babaei and Mohammad Divband Soorati |
| 11:10 | **Design for the analysis of variability management in the industry**  
Ana Eva Chacón-Luna, Antonio Manuel Gutierrez, David Benavides and Lidia Fuentes |
| 11:30 | **A Prototype of a Crowd-sourcing Platform for Classification and Integration of Analysis Tools in Product Line Engineering**  
Mohammadali Soleymani, David Morais Ferreira, Vasil Tenev and Martin Becker |
| 11:50 | Reflection on **10 years of the Reverse Variability Engineering workshop**  
Contributions, discussions, case study catalogue, and a book |
| 12:00 | Discussion                                                                                                       |
| 12:30 | Closing                                                                                                          |