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# 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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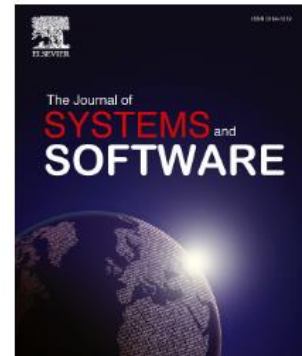
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# 26th ACM International Systems and Software Product Line Conference

## 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**
  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**
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- **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*

# 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

| | | |
|---|---|---|
| | 9:00 | Opening and welcome notes |
| | 9:15 | **Social Coding Platforms Facilitate Variant Forks**<br>Serge Demeyer |
| | 10:00 | *Break (30 min)* |
| | 10:30 | **Synchronizing software variants: A two-dimensional approach**<br>Christoph König, Kamil Rosiak, Lukas Linsbauer and Ina Schaefer |
| | 10:50 | **Trust Challenges In Reusing Open Source Software: An Interview-based Initial Study**<br>Javad Ghofrani, Paria Heravi, Kambiz Aghababazadeh Babaei and Mohammad Divband Soorati |
| | 11:10 | **Design for the analysis of variability management in the industry**<br>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**<br>Mohammadali Soleymani, David Morais Ferreira, Vasil Tenev and Martin Becker |
| | 11:50 | Reflection on **10 years of the Reverse Variability Engineering workshop**.<br>Contributions, discussions, case study catalogue, and a book |
| | 12:00 | **Discussion** |
| | 12:30 | Closing |