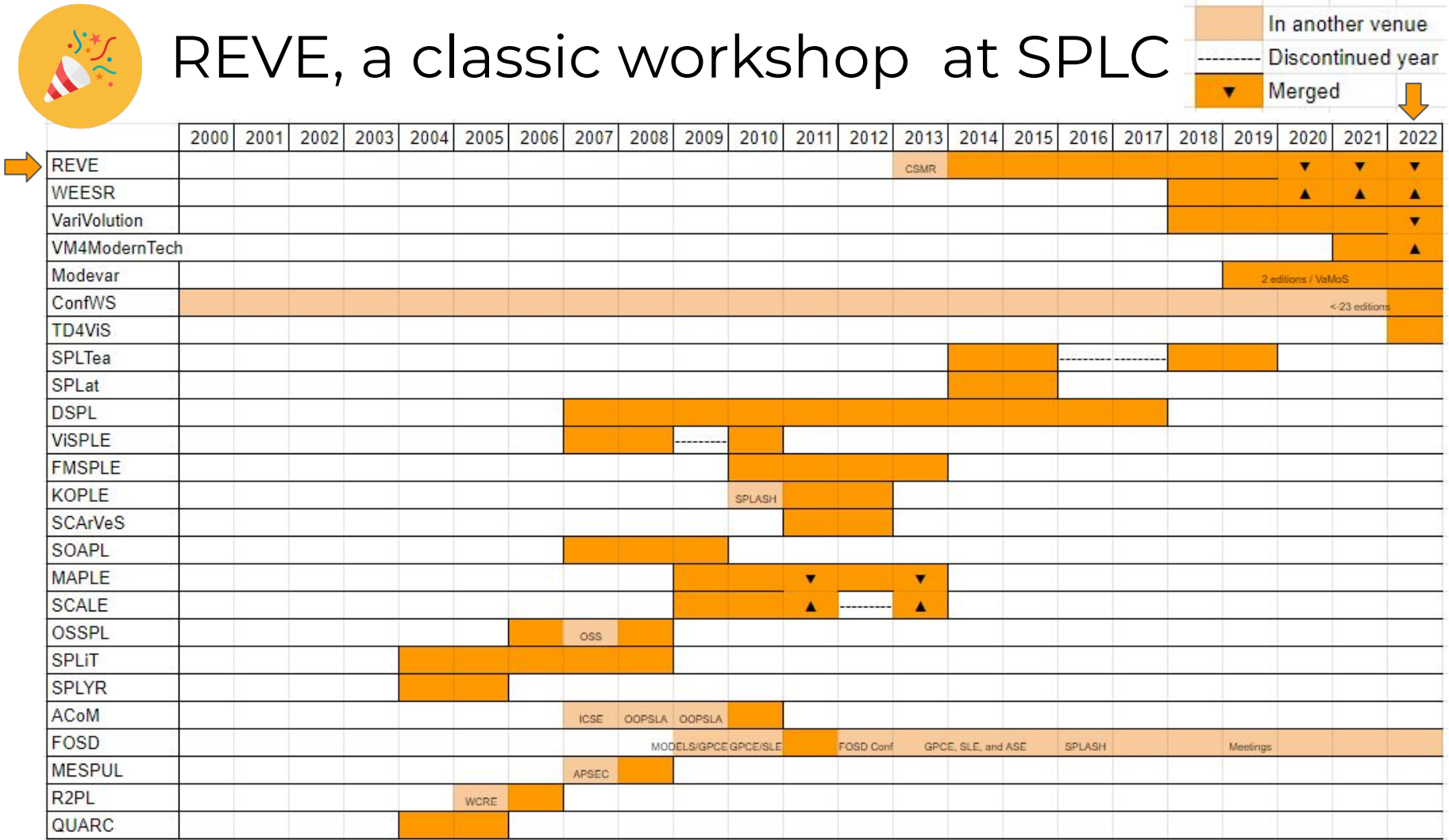
26th ACM International Systems and Software Product Line Conference

WEESR and REVE Workshop

Experiences and Empirical Studies on Software Reuse
Reverse Engineering for Variability

Reflection on **10 years of the Reverse Variability Engineering (REVE) workshop**

REVE, a classic workshop at SPLC



REVE inspiring keynotes

Cloned Product Lines - From Ad-Hoc to Managed Software Reuse

From Basic Variability Models to OpenCompare.org

Understanding Linux – pictures from a journey in product line analysis and evolution

Feature Location in Model Driven Software Engineering: Industrial Experiences

A journey towards Software Product Line Engineering for an industrial hard real-time embedded platform

A Perspective on Software Reuse in Industrial Practice and Academic Research

Risks and Opportunities of the Research Loop in Variability Engineering

Social Coding Platforms Facilitate Variant Forks

REVE discussions

We always had a time for discussion (sometimes less than we wanted)

The workshop as a catalyzer to make connections for further work

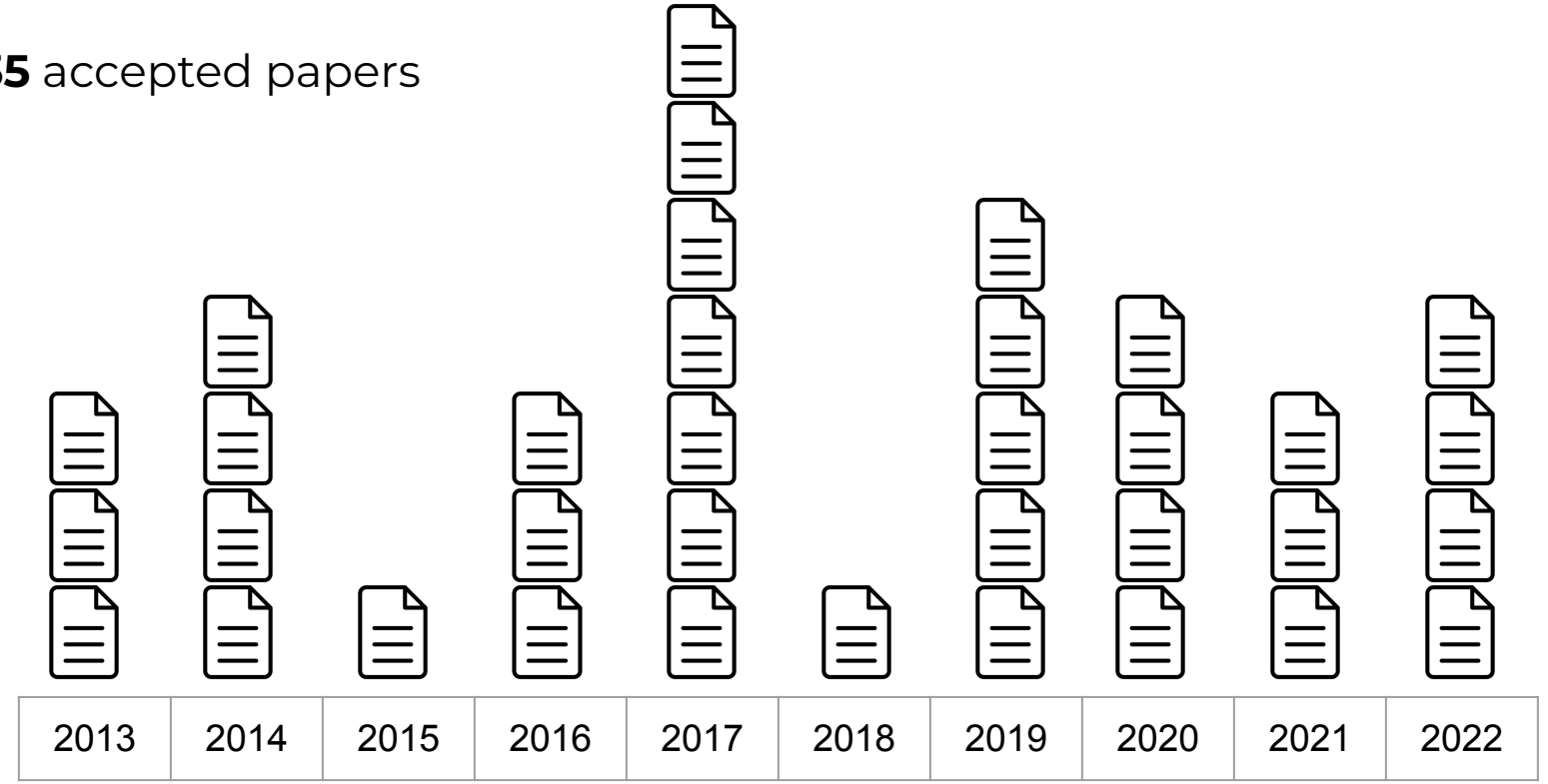
Several presentation invitations (demos, related papers from journals)

Also, in 2015 we had a panel

Reverse Engineering Software Product Lines
A view from the trenches
Panelists:
Charles Krueger, BigLever
Danilo Beuche, pure-systems

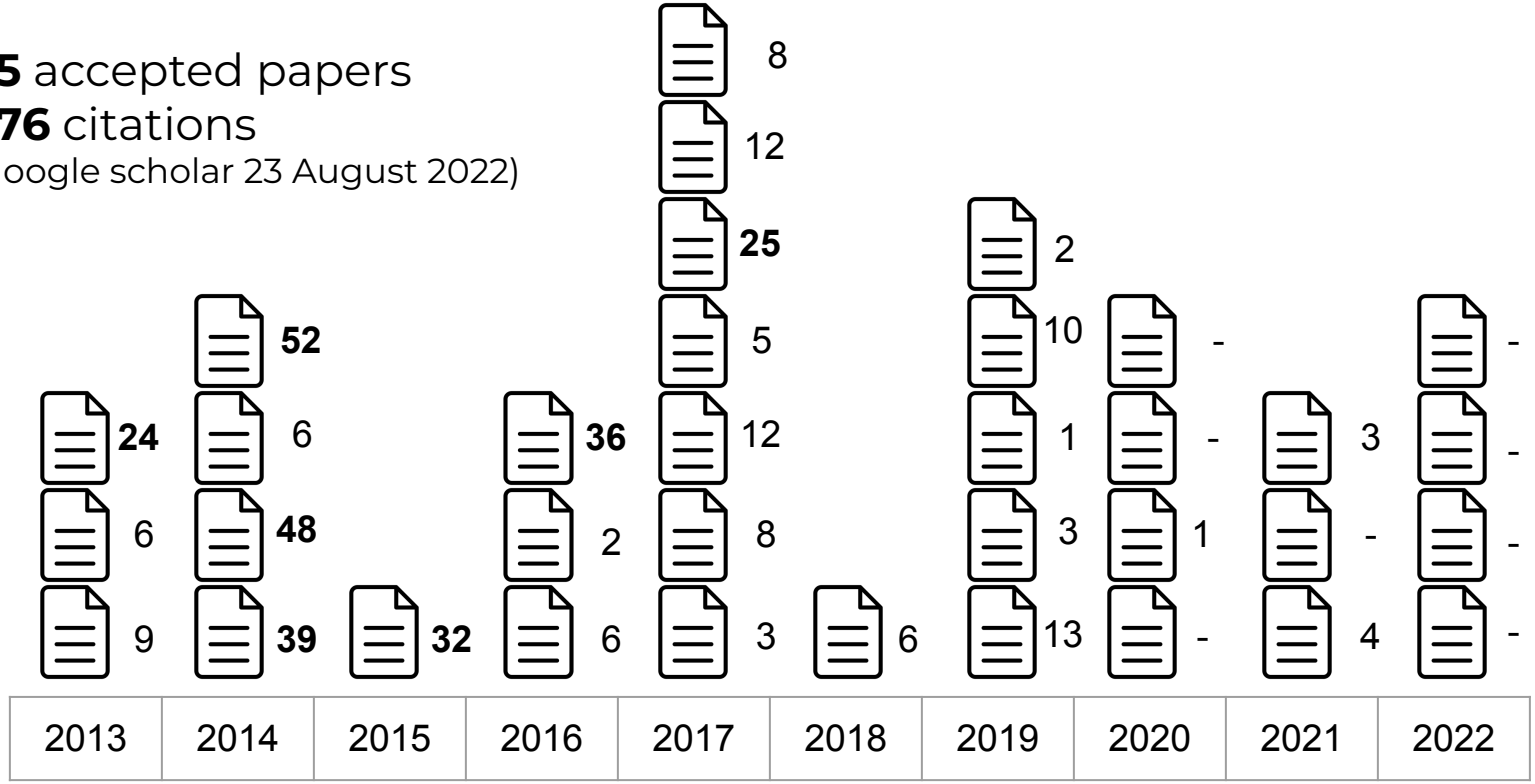
REVE publications

35 accepted papers



REVE publications

35 accepted papers
376 citations
(google scholar 23 August 2022)



REVE publications

Top 7 in terms of citations

Feature location for software product line migration: a mapping study
Wesley K. G. Assunção, Silvia Vergilio

Family Model Mining for Function Block Diagrams in Automation Software
Sönke Holthusen, David Wille, Christoph Legat, Simon Beddig, Ina Schaefer, Birgit Vogel-Heuser

Generating Feature Models from Requirements: Structural vs. Functional Perspectives
Nili Itzik, Iris Reinhartz-Berger

Extracting Software Product Lines: A Cost Estimation Perspective
Jacob Krüger, Wolfram Fenske, Jens Meinicke, Gunter Saake

Automating the Variability Formalization of a Model Family By Means of Common Variability Language
Jaime Font, Manuel Ballarín, Øystein Haugen, Carlos Cetina

Finding Lost Features in Cloned Systems
Jacob Krüger, Louis Nell, Wolfram Fenske, Gunter Saake, Thomas Leich

A Graph-Based Analysis Concept to Derive a Variation Point Design from Product Copies
Benjamin Klatt, Martin Küster, Klaus Krogmann

REVE as inspiration for a catalogue

Since SPLC 2017

ESPLA Catalog

Extractive Software Product Line Adoption case studies

A collaborative catalog of case studies on extractive software product line adoption

https://but4reuse.github.io/espla_catalog/

REVE as inspiration for a catalogue

ESPLA Catalog

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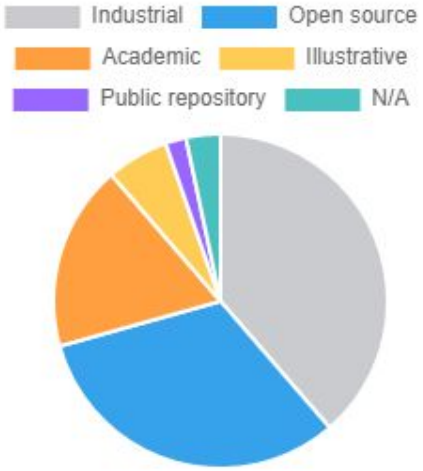
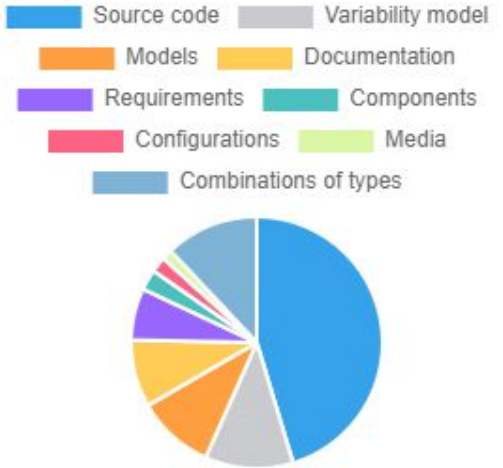
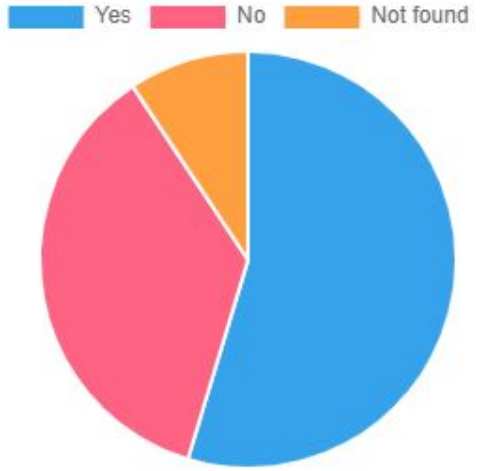
Origin of the case studies



Types of artefacts for the extraction of SPL assets



Availability of the artefacts for the community



REVE as inspiration for a catalogue

ESPLA Catalog

Extractive Software Product Line Adoption case studies

A collaborative catalog of case studies on extractive software product line adoption

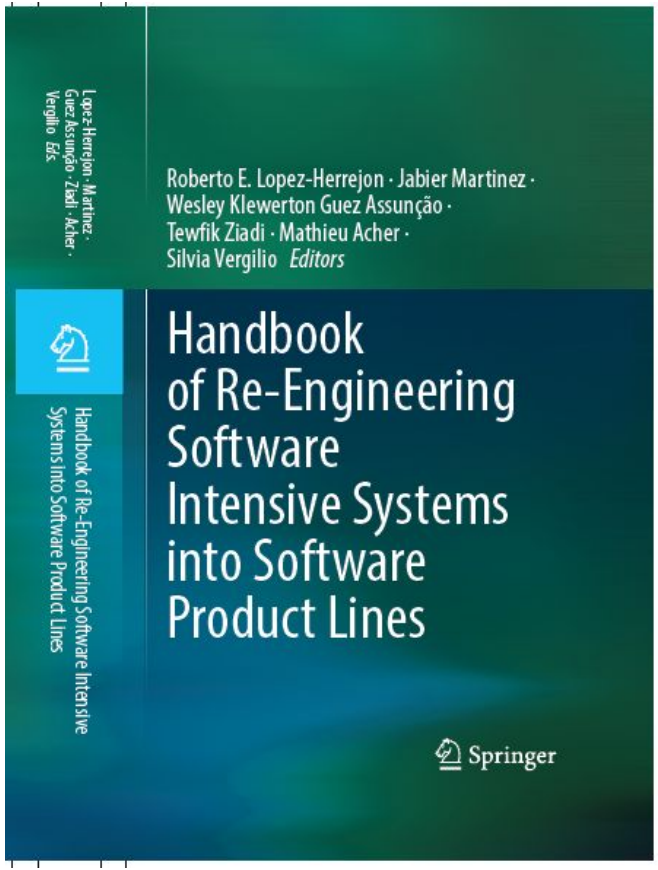
May 2022

Jabier Martinez
@jabier_lab

Aiming to reach 150 case studies in the Extractive Software Product Line Adoption catalogue but4reuse.github.io/espla_catalog/ to celebrate the 10 anniv 🎂 of REVE (Reverse Variability Engineering workshop) reveworkshop.github.io/2022 @splcconf. 15 cases to go! 🧵 for updates,with @wesleyklewerton

11:37 AM · May 3, 2022 · Twitter Web App

REVE as inspiration for a book



Foreword by Frank van der Linden
4 parts and 20 chapters
More than 70 authors

Part I

Feature location and variability model extraction

Chapters 1-7

Part II

Re-engineering product line architectures

Chapters 8-12

Part III

Frameworks

Chapters 13-17

Part IV

Perspectives

Chapters 18-20

REVE

*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

- **How far did REVE go in these 10 years?**
  - **Did the workshop help to push the state-of-the-art?**
  - **Did it help to bring researchers attention to these challenges?**
  - **Is there any industrial uptake?**