

Thorsten Berger

Associate Professor

Chalmers | University of Gothenburg
Gothenburg, Sweden

<http://www.cse.chalmers.se/~bergert>

Paulo Borba

Professor

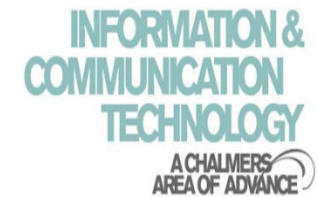
Universidade Federal de Pernambuco
Recife, Brazil

<http://www.cin.ufpe.br/~phmb>

22nd International Systems and Software Product Line Conference

Sep. 10-14, 2018

sponsors



keynotes

Software Product Lines – Predicting the Success of Software Reuse in Industry

Judith Bishop, Stellenbosch University, South Africa



Domain-Specific Languages in SPLE: Why and How?

Markus Völter, independent/Itemis, Germany



How Do We Avoid Getting Devoured when Software is Eating the Automotive World?

Martin Hiller, Volvo Cars, Sweden



team



NEW THIS YEAR

challenge track

aims

- encourage junior newcomers to SPLC
- collect and consolidate experience with SPL technologies
- identify new technical challenges and research potential



Sarah Nadi



Timo Kehrer

format

two-phase process: **call for cases**, then **call for solutions**

a case is

- a dataset or system

- with specific questions to be answered or tasks to be performed

4 out of 5 cases accepted

4 solutions accepted

journal first track

aim

- increase visibility of journal papers
- no previous presentation at a conference

participation

- call for journal presentations
- invited presentations

format

- 5 out of 7 presentations accepted



David Benavides

artifacts submission



artifact

digital object created by the authors

used as part of the study or generated by the experiment

software systems, scripts used to run experiments or analyze results, input datasets, raw data collected in the experiment, ...

format

dedicated artifacts evaluation committee

authors obtain badges

authors get 5 more min. to present the paper

artifacts

3 submitted and accepted





PAPERS...

proceedings

<http://splc2018.net/proceedings>



PC members (all tracks)

Paola Accioly, Mathieu Acher, Shaukat Ali, Eduardo Almeida, Carina Alves, Vander Alves, Wesley K. G. Assunção, Ebrahim Bagheri, Don Batory, Benoit Baudry, Martin Becker, Sandy Beidu, David Benavides, Thorsten Berger, Danilo Beuche, Paulo Borba, Jan Bosch, Goetz Botterweck, Claus Brabrand, Larissa Braz, Rafael Capilla, Marsha Chechik, Shigeru Chiba, Jane Cleland-Huang, Paul Clements, Myra Cohen, Philippe Collet, Deepak Dhungana, Oscar Diaz, Slawomir Duszynski, Oscar Díaz, Christoph Elsner, Guisheng Fan, John Favaro, Alexander Felfernig, Wolfram Fenske, Thomas Fogdal, Lidia Fuentes, Jose A. Galindo, Jesús García Galán, Paul Gazzillo, Sebastien Gerard, Stefania Gnesi, Alex Grebhahn, Iris Groher, Paul Grünbacher, Jianmei Guo, Dan Hao, Oystein Haugen, Jean-Marc Jézéquel, Eduard Kamburjan, Timo Kehrer, Tomoji Kishi, Alexander Knüppel, Ugur Koc, Jacob Krüger, Uirá Kulesza, Jonn Lantz, Jaejoon Lee, Peng Liang, Jörg Liebig, Michael Lienhardt, Lukas Linsbauer, Steve Livengood, Malte Lochau, Roberto Erick Lopez-Herrejon, Ivan Machado, Mike Mannion, Jabier Martinez, Jacopo Mauro, Leticia Montalvillo, Mohammadreza Mousavi, Mukelabai Mukelabai, Tomi Männistö, Sarah Nadi, Damir Nestic, Thanhvu Nguyen, Michael Nieke, Natsuko Noda, Linda Northrop, Mattias Nyberg, Jeho Oh, Bruno C. D. S. Oliveira, Gilles Perrouin, Christian Prehofer, Clément Quinton, Rick Rabiser, S Ramesh, Iris Reinhartz-Berger, Márcio Ribeiro, Julia Rubin, Andreas Rummler, Gabriela Sampaio, Atrisha Sarkar, Ina Schaefer, Daniel Schall, Klaus Schmid, Sandro Schulze, Sven Schuster, Christoph Seidl, Bran Selic, Abdelhak Seriai, Thomas Sorensen, Stefan Stanciulescu, Hailong Sun, Mikael Svahnberg, Leopoldo Teixeira, Maurice Ter Beek, Maurice H. Ter Beek, Thomas Thüm, Juha-Pekka Tolvanen, Frank Van Der Linden, Hironori Washizaki, Shiyi Wei, Jules White, Tao Yue, Tewfik Ziadi

research track

statistics

40 submitted

15 selected (1 short/vision)

37% acceptance rate

process

at least three review reports

online discussion

fourth review when consensus was not reached (1 paper)

5 conditionally accepted

all tracks

105 submissions in total

18 industry papers

7 journal first papers

7 workshop proposals

5 challenge proposals

4 challenge solutions

9 data, demo, and tool papers

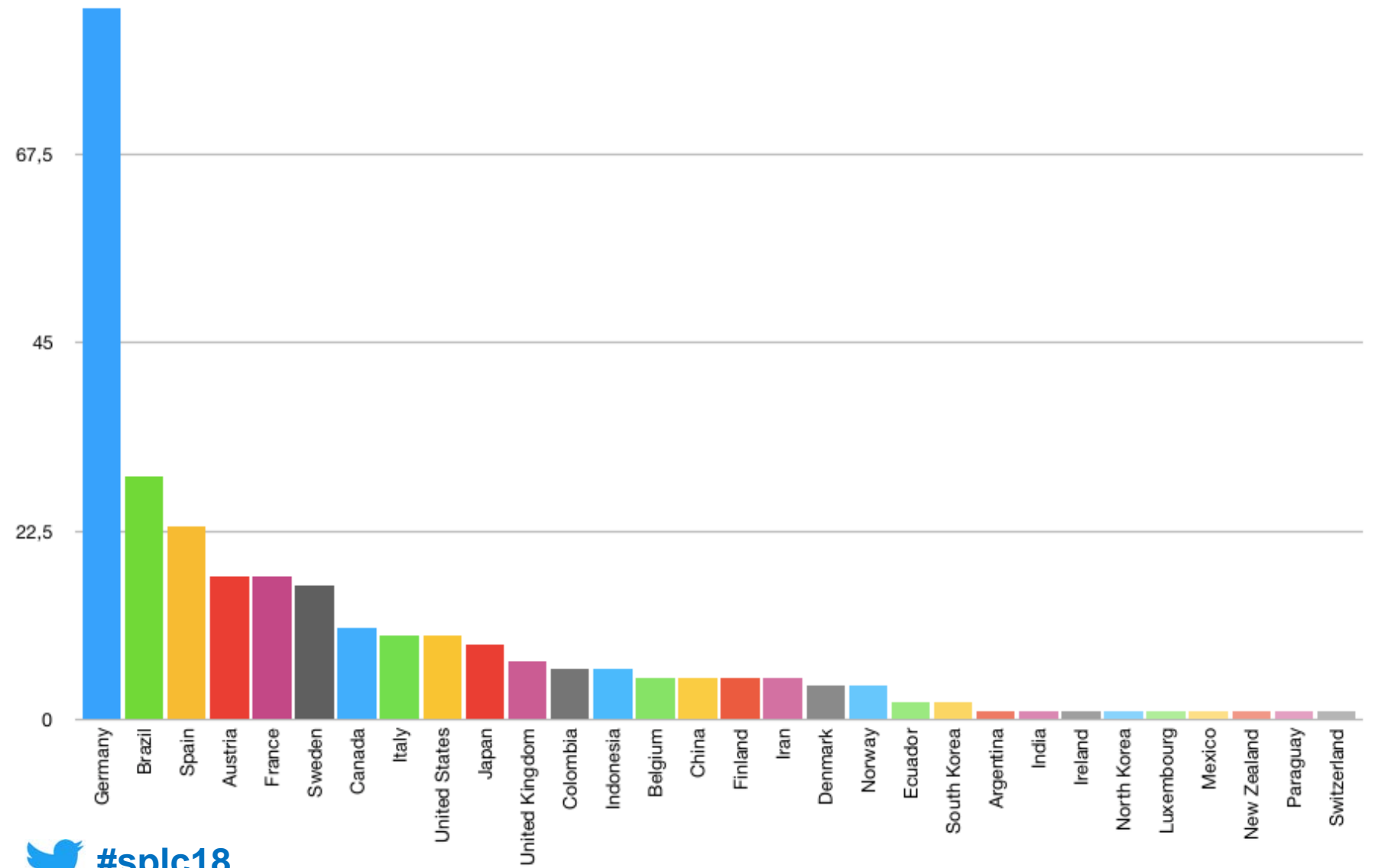
3 research artifacts

4 doctoral proposals

8 tutorials



authors' origins



paper topics



let's clean and consolidate a bit

e.g., remove "expected" keywords (and their variants):

spl, software product lines, product lines, software product families, engineering, variability, variability management, feature model, feature, software engineering, variability model, software systems, reuse, integrated approach, variation points, ..

agile **analysis** architecture architecture recovery automotive
benchmark bill-of-features **casestudy** collaboration
configuration configuration management **delta-**
orientedprogramming derivation domain models
dynamic product lines education empirical study
evolution **extractive** enumerative variability
feature identification feature interaction feature location grow-and-prune
language product lines **machine learning** maintenance
model-driven migration orthogonal variability modeling performance-
influence models preprocessor propositional logic **requirements**
requirements engineering reuse reverse-engineering
reverse engineering sampling algorithms search-
based software engineering **static analysis** system product line systems engineering
teaching temporal feature model **testing** tool
variability extraction variation control systems verification

AWARDS



distinguished reviewer awards

Leopoldo Teixeira

Federal University of Pernambuco, Brazil

Rick Rabiser

Johannes Kepler University Linz, Austria

Sandro Schulze

Otto von Guericke University Magdeburg, Germany



best paper award

Best Paper Award

CONFERRED TO:

Christian Kröher, Lea Gerling, Klaus Schmid

FOR THE PAPER:

**Identifying the Intensity of Variability Changes in
Software Product Line Evolution**

PRESENTED AT THE 22ND INTERNATIONAL SYSTEMS
AND SOFTWARE PRODUCT LINE CONFERENCE
IN GOTHENBURG, SWEDEN.

most influential paper award

...stay tuned, until 4pm today!

publicity

www.splc2018.net



@splcconf

#splc18

SPLC series: www.splc.net

Linkedin group: <http://goo.gl/SqGXa9>

Facebook: www.facebook.com/splcconf

ABOUT SPLC 2018

The Systems and Software Product Line Conference (SPLC) is a premier forum where researchers, practitioners, and educators can present and discuss the most recent ideas, trends, experiences, and challenges in the area of software and system product lines engineering. Conference events include opportunities to hear industry leaders' real-world experiences and researchers' latest ideas, and to learn from both.

The 22nd International Systems and Software Product Line Conference (SPLC2018) will be held during September 10th to 14th, 2018, in Gothenburg, Sweden. SPLC2018 is organized in cooperation with ACM SIGSOFT. Learn more about SPLC2018 and its tracks here.

acm In-Cooperation

SIGSOFT

THIS IS GÖTENBURG

Latest News

- SPLC Proceedings Online 10 September, 2018
- Special, list-minute offer to attend the industrial forum! 5 September, 2018
- List of Accepted Tutorials Online 15 June, 2018
- SPLC 2018's week overview is now available 15 June, 2018
- Tutorial notifications sent out 5 June, 2018

Follow us

Contact: info@splc2018.net

Twitter Timeline

Tweets about @splcconf

Hint: You should see a Twitter timeline and social network links to the right. If not, your adblocker software might be blocking it. Please disable it for this site then.

SPONSORS

