

Communicating Process Architectures 2017 & 2018

WoTUG-39 & WoTUG-40

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2017:

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Proceedings of CPA 2017 (WoTUG-39),
20–23 August 2017, Sliema, Malta
&
Proceedings of CPA 2018 (WoTUG-40),
19–22 August 2018, Technische Universität Dresden, Germany

IOS
Press

Amsterdam • Berlin • Washington, DC

Preface CPA 2017

Communicating Process Architectures (CPA) 2017 is the thirty-ninth in the WoTUG series of conferences and took place from Sunday August 20th to Wednesday August 23th 2017, hosted by Dr. Kevin Vella of the University of Malta at the Victoria Hotel in Sliema, Malta.

The keynote talk was given by Dr. Peter Welch from the University of Kent at Canterbury, and it was titled “*A Workflow Methodology for Realising Concurrent and Verified Systems*”. The keynote was co-authored by Dr. Jan B. Pedersen from the University of Nevada Las Vegas. Dr. Welch has been a professor at the University of Kent for decades but is now retired. During his tenure he was a driving force behind the continued development of the *occam- π* language as well as the JCSP process-oriented programming library for Java. Furthermore, he has been, and continues to be, the chairman of WOTUG, the organization behind this conference. Dr. Pedersen is an associate professor at the University of Nevada specialising in languages, compilers and parallel and process-oriented programming. He is the developer of the ProcessJ process-oriented language.

Fifteen papers were accepted for presentation at the conference, following the strong editorial process developed and refined by CPA over many years. They cover a spectrum of concurrency concerns: mathematical theory, programming languages, design and support tools, verification, multicore infrastructure and applications ranging from supercomputing to embedded. One workshop on domain-specific concurrency skeletons was also given. Furthermore, eight fringe presentations were given over two evening sessions these sessions are used for reporting on new ideas, work in progress or simply interesting thoughts associated with concurrency.

The workshop position papers and fringe abstracts are included in these Proceedings. Altogether, contributions came from nine different countries: Denmark, United Kingdom, Germany, United States, Spain, Slovakia, the Netherlands, Malta, and Norway.

This year saw a new version of the conference webpage, namely, <http://cpaconf.org>, where papers and resources will be available.

We would like to thank everyone who submitted papers, the reviewers for all their hard work, the editors for working with the authors to make all papers as good as possibly as well as all the delegates attending. Finally, a thank you to Kevin Vella from the University of Malta for putting together and hosting the conference in sunny Malta. Thank you all very much.

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