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Frank van der Linden (Ed.)

Development and Evolution of Software Architectures for Product Families

Second International ESPRIT ARES Workshop
Las Palmas de Gran Canaria, Spain
February 26-27, 1998
Proceedings



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Preface

This book originates from a workshop organised by ESPRIT project 20 477, ARES in Las Palmas de Gran Canaria, Spain, February 1998. ARES is an acronym for Architectural Reasoning for Embedded Systems. Within this project we investigate techniques to deal with problems of software architecture of families of embedded systems. It is the second workshop organised by this project. Its predecessor was held in Las Navas de Marques, Spain, November 1996. The proceedings of the first workshop are only available in electronic format at "<http://www.dit.upm.es/~ares/>". The second workshop succeeded, even more than the first one, in gathering many of the most prominent people working in the area of software architecture for product families or product lines.

This second workshop consisted of six sessions. The first session was meant to report the ARES results, according to the topics of the next five sessions. The remaining sessions dealt with different aspects of software architecture, focussed on applications for product families or product lines. Because there will be a separate book covering all ARES results, the first session is not included in this book.

The workshop was chaired by Henk Obbink from Philips Research and Paul Clements from the Software Engineering Institute at Carnegie Mellon University. They prepared and presented an overall conclusion at the end of the workshop. This conclusion was used in the introduction to this book.

The programme committee consisted of people from all ARES partners:

Wolfgang Eixelsberger	ABB Research
Mehdi Jazayeri	Technische Universität Vienna
Jeff Kramer	Imperial College
Juha Kuusela	Nokia Research
Frank van der Linden	Philips Research
Jeff Magee	Imperial College
Henk Obbink	Philips Research
Juan Antonio de la Puente	Universidad Politécnica de Madrid
Alex Ran	Nokia Research

The workshop was held at a great place, with a good climate, due to the good work of the local organisers: Juan Carlos Dueñas and Alejandro Alonso from Universidad Politécnica de Madrid and Javier Miranda and Francisco J. Guerra from the Universidad de Las Palmas de Gran Canaria.

Sessions were chaired by people from outside the ARES project: William Scherlis, Dewayne Perry, Jean Marc DeBaud, Paul Clements, and David Weiss. They had a facilitator's role in guiding the discussion. Because of the structure of the workshop there was a large amount of discussion. Reports of the sessions were prepared by people from the programme committee and reviewed by the session chairs. These reports are presented as the introductions to the sessions in this book.

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