

# Preface

Object-Orientation has for a number of years now been accepted as the industry standard in many areas. Coming from the area of simulation it showed its strengths in the design of graphical user interfaces and is now taken for granted in Internet applications. Object-oriented programming has positioned itself as the main programming paradigm in many universities and many students are introduced to programming through an Object-Oriented language. The importance of Object-Orientation and its fundamental ideas have now also been firmly recognized by the research community. This year both the IEEE John von Neumann Medal and the ACM Turing Award have been awarded to Ole-Johan Dahl and Kristen Nygaard for the pioneering work they did in the 1960s when designing the programming language Simula 67:

*19 November 2001 – IEEE (Institute of Electrical and Electronic Engineers): Ole-Johan Dahl and Kristen Nygaard have been awarded the IEEE’s 2002 John von Neumann Medal “For the introduction of the concepts underlying object-oriented programming through the design and implementation of SIMULA67.”*

*New York, February 6, 2002 – The Association for Computing Machinery (ACM) has presented the 2001 A.M. Turing Award, considered the “Nobel Prize of Computing,” to Ole-Johan Dahl and Kristen Nygaard of Norway for their role in the invention of object-oriented programming, the most widely used programming model today. Their work has led to a fundamental change in how software systems are designed and programmed, resulting in reusable, reliable, scalable applications that have streamlined the process of writing software code and facilitated software programming.*

2002 will thus be remembered as an exceptional year in the history of Object-Orientation and it is an honor to have Kristen Nygaard as this year’s banquet speaker.

This year we had 96 submitted papers of which 24 were accepted for publication after a thorough review process. In addition to the reviewed papers there are invited talks given by José Meseguer and Clemens Szyperski. The wide spread of topics in this year’s conference will hopefully also illustrate the acceptance of Object-Orientation in all areas of Computer Science and Software Engineering and confirm ECOOP as a broad conference for all aspects of Object-Oriented Programming.

Organizing an international conference involves a lot of work carried out by a large group of people, most of which is not directly visible. I would like to extend my gratitude to the PC committee members, who spent endless hours reviewing the papers, Antonio Vallecillo and the local organization, who made everything work at the conference, and Richard van de Stadt, with his CyberChair system, which made my work so much easier when preparing these proceedings!

# Organization

ECOOP 2002 was organized by the Department of Computer Science of the University of Málaga, and the Department of Computer Science of the University of Extremadura, under the auspices of AITO (Association Internationale pour les Technologies Objets).



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