Preface

The International Workshop on Power and Timing Modeling, Optimization, and Simulation PATMOS 2002, was the 12th in a series of international workshops previously held in several places in Europe.\(^1\) PATMOS has over the years evolved into a well-established and outstanding series of open European events on power and timing aspects of integrated circuit design. The increased interest, especially in low-power design, has added further momentum to the interest in this workshop. Despite its growth, the workshop can still be considered as a very focused conference, featuring high-level scientific presentations together with open discussions in a free and easy environment. This year, the workshop has been opened to both regular papers and poster presentations. The increasing number of worldwide high-quality submissions is a measure of the global interest of the international scientific community in the topics covered by PATMOS.

The objective of this workshop is to provide a forum to discuss and investigate the emerging problems in the design methodologies and CAD-tools for the new generation of IC technologies. A major emphasis of the technical program is on speed and low-power aspects with particular regard to modeling, characterization, design, and architectures. The technical program of PATMOS 2002 included nine sessions dedicated to most important and current topics on power and timing modeling, optimization, and simulation. The three invited talks try to give a global overview of the issues in low-power and/or high-performance circuit design. The first one presents a history of low-power clock watches, while the other ones deal with high performance clocking and the state of the art in low-voltage memories.

In 2002, the venue was Seville, Spain. The workshop was organized by the Microelectronics Spanish Center (IMSE-CNM) and the University of Seville. Seville is the major city in the southwest of Spain and one of its richest historic, cultural, and artistic spots. Seville is the capital of the Autonomous Community of Andalusia and has a population of over 700,000. Many very different cultures have figured in the history of Sevilla. The legacy of these cultures has grown over the centuries into the cultural, monumental, and artistic heritage that can be admired in the city’s streets and museums today.

September 2002

Bertrand Hochet
Antonio J. Acosta
Jorge Juan-Chico

\(^1\) Visit the web site: [http://www.patmos-conf.org](http://www.patmos-conf.org)
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