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Dionisios N. Pnevmatikatos ·
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Preface

The SAMOS XIX Conference was held in Pythagorion, Greece, in July 2019. SAMOS is a conference with a unique format. Every year, it brings together researchers working on the topic of embedded systems from both academia and industry in the perfect setting of the island of Samos. The SAMOS XIX keynotes covered a wide range of embedded systems design aspects, including computer architectures by Prof. Soner Onder, Michigan Technological University, virtual platforms by Dr. Jacob Engblom, Intel, computing by Prof. Onur Mutlu, ETH Zurich, and education by Prof. Yale Patt, The University of Texas at Austin. A specific focus was also placed on memory systems and quantum computing through tutorials by Prof. Onur Mutlu, ETH Zurich and Dr. Carmen G. Almudéver, Delft University of Technology.

The SAMOS XIX proceedings comprise a selection of 34 publications targeting either systems themselves—through their applications, architectures, and underlying processors—or methods created to automate their design. Three special sessions were introduced in the program to report recent results of European projects, gather novel work on machine learning implementation, and focus on the lessons learnt from meaningful negative experimental results.

The SAMOS XIX Committee would like to acknowledge the generous support of the many reviewers who contributed to the quality of these proceedings. We hope that you enjoy reading them!

July 2019

Dionisios N. Pnevmatikatos
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