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Scale-Space Theories in Computer Vision

Second International Conference, Scale-Space'99
Corfu, Greece, September 26-27, 1999
Proceedings



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Series Editors

Gerhard Goos, Karlsruhe University, Germany
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Volume Editors

Mads Nielsen
The IT University in Copenhagen
Glentevej 67, DK-2400 Copenhagen NV, Denmark
E-mail: malte@itu.dk

Peter Johansen
Ole Fogh Olsen
University of Copenhagen, Department of Computer Science
Universitetsparken 1, DK-2100 Copenhagen OE, Denmark
E-mail: peterjo/fogh@diku.dk

Joachim Weickert
University of Mannheim, Department of Mathematics and Computer Science
D-68131 Mannheim, Germany
E-mail: Joachim.Weickert@ti.uni-mannheim.de

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Preface

The scale-space conference series dates back to the NSF/ESPRIT transatlantic collaboration on “geometry-driven diffusion” (1993-1996). This collaboration led to a series of very successful workshops followed by a PhD summer school on Gaussian Scale-Space Theory in Copenhagen, in spring 1996. After this, Bart ter Haar Romeny arranged the First International Conference on Scale-Space Theory in Computer Vision (Utrecht, July 2-4, 1997). Indeed the title was appropriate since this was the *first* scale-space conference in a series of so far two conferences. We feel very confident that the series will be much longer. We hope that the scheduling next to ICCV '99 will attract more delegates furthering the integration of scale-space theories into computer vision.

Since the first scale-space conference we have had an increase of more than 50% in the number of contributions. Of 66 high-quality submissions, we could, due to the time limitation of the conference, only select 24 papers for oral presentations. They form Part I of this volume. Many papers were of such high quality, that they would otherwise have qualified for oral presentation. It was decided to include 12 of the remaining papers in full length in the proceedings, creating the category of “Long Posters”. They form Part 2 of this volume. Finally, 18 papers were accepted for poster presentations, constituting Part 3. Invited talks were given by Prof. Rüdiger von der Heydt, Department of Neuroscience, Johns Hopkins University School of Medicine and Prof. David L. Donoho, Statistics Department, Stanford University.

We would like to thank everyone who contributed to the success of this 2nd conference on scale-space theories in computer vision; first of all the many authors for their excellent and timely contributions, the referees that in a very short period reviewed the many papers (each paper was reviewed by 3 referees), members of the conference board, program board, and program committee, Ole F. Olsen and Erik B. Dam for their administration and the work of collecting the papers for this volume, ICCV and John Tsotsos for the very flexible hosting of the conference, and, last but not least, all who otherwise participated in making the conference successful.

July 1999

Mads Nielsen

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Invited Lectures

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David L. Donoho (Stanford University, Stanford)

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