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Scale Space and Variational Methods in Computer Vision

4th International Conference, SSVM 2013
Schloss Seggau, Leibnitz, Austria, June 2-6, 2013
Proceedings



Springer

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ISSN 0302-9743 e-ISSN 1611-3349
ISBN 978-3-642-38266-6 e-ISBN 978-3-642-38267-3
DOI 10.1007/978-3-642-38267-3
Springer Heidelberg Dordrecht London New York

Library of Congress Control Number: 2013937506

CR Subject Classification (1998): I.4, I.5, I.3.5, I.2.10, G.1, F.2.2

LNCS Sublibrary: SL 6 – Image Processing, Computer Vision, Pattern Recognition, and Graphics

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Typesetting: Camera-ready by author, data conversion by Scientific Publishing Services, Chennai, India

Printed on acid-free paper

Springer is part of Springer Science+Business Media (www.springer.com)

Preface

The 4th International Conference on Scale Space and Variational Methods in Computer Vision (SSVM 2013) was held in Schloss Seggau, Leibnitz, in the vicinity of Graz, Austria. The biannual SSVM Conferences started in 2007 in Ischia, Italy (2007), and were followed by editions in Voss, Norway (2009), and Ein Gedi, Israel (2011).

This series of conferences originated from the biannual conferences on Scale Space held in 1997 in Utrecht, The Netherlands, and Variational, Geometric, and Level set Methods (VLSM) in 2001 in Vancouver, Canada. The aim of SSVM is to bring together these two different communities with common research interests: the one on scale space analysis and the one on variational, geometric, and level set methods and their applications in image interpretation and understanding. Just as in previous editions, the papers in these proceedings depict this successful combination.

Following the tradition of the previous SSVM conferences, we invited outstanding scientists to give keynote presentations and were happy to welcome:

- Gabriel Peyré (CNRS, CEREMADE, Université Paris-Dauphine): Inverse Problem Regularization with Weakly Decomposable Priors
- Martin Rumpf (University of Bonn): Variational Time Discretization of Geodesic Calculus in Shape Space
- Tony Lindeberg (KTH Royal Institute of Technology): A Framework for Invariant Visual Operations Based on Receptive Field Responses

From the 69 submitted papers, 19 were selected to be presented orally and 23 as posters. We would like to thank the authors for their contributions and the members of the Program Committee for their dedication and timely reviews.

We would like to sincerely thank Christine Haas from the sterreichische Computer Gesellschaft (OCG), Christiane Tronigger from Nethotels, and Sabine Tschernegg from Schloss Seggau for their help with the local arrangements.

March 2013

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