The SSVM biannual conference series is a merger of the Scale Space conferences and the Variational Level Set Methods conferences, aiming to bring together 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. Following the success of SSVM’07 in Ischia, Italy and SSVM’09 in Voss, Norway, SSVM’11 will be held in the Dead Sea region in Israel. Papers accepted for the conference will appear in the conference proceedings that will be published in Springer Lecture Notes in Computer Science series.

Suggested topics: Level set methods * Scale space methods * Image analysis * Differential geometry and Invariants * Selection of salient scales * Feature analysis * Cross-scale structure * Enhancement * Denoising * Segmentation * Motion estimation * Tracking * Optical flow * 3D vision * Surface modeling * Medical and other Applications * Registration * Inpainting * Wavelets and Image decompositions * Implicit surfaces * Multi-scale shape analysis * Perceptual grouping * Shape from X * Stereo reconstruction

General chairs: Alfred Bruckstein, Technion * Bart ter Haar Romeny, Eindhoven University

Local chairs: Alexander Bronstein, Tel Aviv University * Michael Bronstein, Università della Svizzera Italiana

Scientific committee (preliminary): Luis Alvarez, Universidad de Las Palmas de Gran Canaria * Vincent Caselles, Universitat Pompeu Fabra * Raymond Chan, Chinese University of Hong Kong * Laurent Cohen, Ceremade * Michael Elad, Technion * Lewis Griffin, University College London * Atsushi Imiya, Chiba University * Ron Kimmel, Technion * Nahum Kiryati, Tel Aviv University * Arjan Kuijper, Fraunhofer Institute * Antonio Leitao, Federal University of Santa Catarina * Antonio Marquina, Universidad de Valencia * Gerard Medioni, USC * Etienne Memin, Iriso * Mads Nielsen, IT University of Copenhagen * Mila Nikolova, Ecole Normale Supérior Cachan * Stanley Osher, UCLA * Nikos Paragios, École Centrale de Paris * Gabriel Peyré, Ceremade * Martin Rumpf, Universität Bonn * Chen Sagiv, SagivTech * Guillermo Sapiro, University of Minnesota * Christoph Schnörr, University of Heidelberg * Fiorella Sgallari, University of Bologna * Nir Sochen, Tel Aviv University * Gabriele Steidl, University of Mannheim * Xue-Cheng Tai, University of Bergen * Joachim Weickert, Saarland University * Gershon Wolansky, Technion * Anthony Yezzi, Georgia Tech * Laurent Younnes, Johns Hopkins University

Keynote speakers: Haim Brezis, Université Pierre et Marie Curie * Remco Duits, Eindhoven University * Joachim Weickert, Saarland University

Organizer: Yana Katz