Editorial

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Published online: 2 February 2016
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The Journal of Mathematical Imaging and Vision (JMIV) is committed to publishing high quality results in all areas of mathematical image analysis. Since these fields undergo a continuous evolution and we need the flexibility to offer also young and active researchers the chance to shape our journal, it is JMIV's policy to exchange parts of the editorial board on a regular basis. Thus, also this year several changes in our editorial board have taken place.

First of all, I would like to express my gratitude to the following editorial board members whose appointment period has come to an end: Eduardo Bayro-Corrochano, Alfred M. Bruckstein, Laurent Cohen, Luc Florack, Tat Yung Kong, Arjan Kuijper, Lionel Moisan, Hugues Talbot, John Wright, and Yehoshua Y. Zeevi. Moreover, also Peter Sturm, Luminita Vese, and Laurent Younes have decided to step down in 2015 due to time-consuming other commitments. My sincere thanks go to all of them for their valuable service to our scientific community.

It is my pleasure to announce the appointment of 15 new editorial board members. As in previous years, they have been carefully selected based on their scientific excellence, their reliability as reviewers for JMIV, and the wish to reflect recent developments and to broaden our scope.

While discrete theories have been playing an essential role for JMIV since its foundation in 1992, they have emerged into many different directions. Nicolas Passat (Université de Reims Champagne-Ardenne) will strengthen our board in the area of mathematical morphology, and Jovisa D. Zunic (Serbian Academy of Sciences and Arts, Belgrade) will

support us with his knowledge on digital geometry and discrete shape analysis. Joost Batenburg (CWI, Amsterdam) is going to handle submissions on discrete tomography, an imaging modelity leading to very interesting mathematical challenges. In the last 15 years, graph cuts have become important tools in image processing and computer vision. Here it is very helpful that we can rely on the expertise of Victor Lempitsky (Skoltech, Moscow).

Also algebra, geometry, and differential geometry have made important contributions to mathematical imaging and vision. In this context, we will be benefitting from João Pedro Barreto (University of Coimbra) in the field of geometric methods for computer vision and from Leo Dorst (University of Amsterdam) in the area of geometric algebra. I am also very happy to welcome Peter J. Olver (University of Minnesota, Minneapolis), a world-famous expert on symmetry and invariant theory, in our board. Differential geometry and Lie group theory have natural applications in shape analysis, where Stefan Horst Sommer (University of Copenhagen) has agreed to take over editorial responsibilities. Together with Jan Modersitzki (University of Lübeck) he will also coordinate the reviewing of manuscripts on biomedical image registration.

Biomedical and other pattern recognition problems often benefit from advanced feature and orientation analysis as well as from scale-space theory. Here our editorial board will be reinforced by Remco Duits (Eindhoven University of Technology) and Lewis D. Griffin (UC London). From scale-space evolutions there are natural connections to image analysis with partial differential equations and variational methods, the main research areas of Guy Gilboa (Technion, Haifa). Many of the recent variational approaches involve nondifferentiable terms that create additional challenges from an optimization perspective. Since we receive a large number of submissions in this field, the support of Yunmei Chen

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(University of Florida, Gainesville) and Gabriele Steidl (TU Kaiserslautern) will be very helpful. Often the rationale behind nonsmooth optimization models is the wish to promote sparsity, a paradigm that has proven its usefulness in numerous applications, in particular also in machine learning. This field will be represented by Julien Mairal (INRIA, Grenoble), one of the leading young researchers on sparse coding and learning for image processing and computer vision problems.

This concludes the changes in our editorial board. I look forward to a fruitful collaboration with all our new editorial

board members. Their expertise along with their networks of reviewers will be essential for securing the quality of our journal.

In this context I would also like to take the opportunity to thank all researchers who have helped to review submissions to JMIV in 2015. These are the people who keep our scientific community alive. A list of their names is included in this issue. I greatly appreciate their time and their efforts.