## **Special Issue**

### Applications of Partial Differential Equations in Image Analysis

#### Message from the Guest Editors

During the last number of years, there has been a significant increase in the level of interest in image morphology, full-color image processing, image data compression, image recognition, and knowledge-based image analysis systems. Image analysis is the extraction of meaningful information from images; mainly from digital images by means of digital image processing techniques. Some techniques which are used in digital image processing include: partial differential equations (anisotropic diffusion), image restoration (denoisingdeblurring), image filtering, image reconstruction, image segmentation, neural networks, etc. The present Special Issue "Applications of Partial Differential Equations in Image Analysis" is dedicated to researchers working in the fields of qualitative and quantitative analysis of nonlinear evolution equations and their applications in image analysis. Both analytical studies as well as simulation-based studies will be considered. Moreover, this Special Issue gives an opportunity for researchers and practitioners to communicate their ideas.

#### **Guest Editors**

Prof. Dr. Costica Morosanu Prof. Dr. Ovidiu Cârjă Prof. Dr. Mitica Craus Prof. Dr. Gheorghiu Calin-Ioan

Deadline for manuscript submissions closed (30 November 2020)



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#### Editor-in-Chief

Prof. Dr. Francisco Chiclana School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

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