## Acknowledgment

The author wishes to express exceptional and sincere gratitude to Professor Fadi P. Deek (New Jersey Institute of Technology) for the great, vigorous and continuous support provided during the publications of the three papers (Ciulla & Deek, 2005a, 2005b, 2006) and also during the preparation of the proposal of this book. Professor Deek suggestions were magnificent to the extent to set key and remarkable milestones in the development of this work.

The author also wishes to express exceptional and sincere gratitude to the entire IGI Global publishing team that since the inception of the book idea made possible the development of the book. Particular mention is due to Medhi Khosrow-Pour, to Julia Mosemann for the constant, vigorous and effective support and also the invaluable suggestions provided during the developmental effort of the book, to Kristin Klinger for the invaluable suggestion in proposing the title for the book and for proposing to expand the book from its original size, also to Kristin Roth, Jessica Thompson, Corrina Chandler, Lindsay Johnston, Donna Lattanzio and Jan Travers for the development process of the book.

The author is very grateful to Professor Reda Abraham (Lane College) for the foreword written for this book with expertise, tact and politeness, to raise the interest of the readers on the content of the book. Professor Reda Abraham is acknowledged for his invaluable insights provided in his text.

Naturally, my appreciation and gratitude is expressed also for the excellent insights that the anonymous reviewers of the draft of the book have provided along with invaluable suggestions aimed to improve both quality and organization of the final manuscript. I was truly honored by the remarkable level of appreciation of my work expressed by the reviewers.

Also, sincere gratitude is extended to the anonymous reviewers of the book proposal submitted to IGI Global, and to the anonymous reviewer that has helped improving the presentation of the style of the draft of the book proposal prior to submission to IGI Global.

Due recognition is to be given to ICGST - International Congress Global Science Technology and the International Journal on Graphics Vision and Image Processing for the possibility to publish the three above mentioned manuscripts and also to the anonymous reviewers for the excellent suggestions given in order to improve the quality of the three manuscripts.

The author is very grateful to all the contributors of Magnetic Resonance Images that were provided for the development of this book. Dr. Daniel Marcus for making available the T1-MRI data set, and all the contributors to the Open Access Series of Imaging Studies (OASIS) (www.oasis-brains.org), and the authors and co-authors of the key publications relevant to the development of OASIS. Dr. Rand S. Swenson (www. Dartmouth.edu/~rswenson/Atlas) for making available the T2-MRI data set. Dr. Pierre Kornprobst and Dr. Ronald Peeters (www-sop.inria.fr/odyssee) and also the Department of Radiology KULeuven for making available the functional MRI data set named fMRI-TS1 in this book. Dr. Will Penny (www.fil.ion.ucl.ac.uk) for making available the functional MRI data set named fMRI-snffM00587 in this book, and also the authors of the key manuscript relevant to these data (Buchel & Friston, 1997).

The author is very grateful also to the developers of the software ImageJ (http://rsb.info.nih.gov/ij/) which made possible to calculate Fast Fourier Transform (FFT) maps, histograms of the FFT maps and the error

images presented in this book. Also, ImageJ made possible to visualize the maps of the novel re-sampling locations and the MRI images shown in the book.

Also due recognition is due to the authors of the software MRIcro (http://www.sph.sc.edu/comd/rorden/mricro.html) which made possible to prepare the images in analyze format.

Great recognition is due to Wikipedia, the free encyclopedia (www.wikipedia.org) for the invaluable knowledge that was provided in order to solve the cubic equation, the quartic equation and also to employ the Newton's Iterative Method (Newton - Raphson, Newton - Fourier) for the solution of the equation that leads to the Sub-pixel Efficacy Region of the Sinc interpolation function.