Machine analysis using finite elements offers a superior analytical framework that allows you to adapt to any electrical machine, to any software platform, and to any specific requirements that you may consider for the unique circumstance. The author presents the mathematical background underlying the analysis, but emphasizes application of the techniques, common strategies, and obtained results. He also supplies codes for simple algorithms and remarks analytical methodologies that universally apply to many systems and procedures. Electrical Machine Analysis Using Finite Elements offers a superior analytical framework that allows you to adapt to any electrical machine, to any software platform, and to any specific requirements that you may consider for the unique circumstance. The author presents the mathematical background underlying the analysis, but emphasizes application of the techniques, common strategies, and obtained results. He also supplies codes for simple algorithms and remarks analytical methodologies that universally apply to many systems and procedures.
The 42 full papers presented were carefully reviewed and selected from 73 submissions. The papers promote and disseminate ongoing research on mathematical methods and computing techniques for artificial intelligence and pattern recognition, in particular in bioinformatics, cognitive and humanoid vision, computer vision, image analysis and intelligent data analysis.