

# Introduction

The manuscripts included in this special issue grew out of the 10th International Conference on Intelligent Data Engineering and Automated Learning (IDEAL), Burgos, Spain, 23–26, September 2009. Conference organizers and chairmen were Hujun Yin of The University of Manchester and Emilio Corchado of University of Burgos, Spain. The conference received over 200 submissions. About 100 papers were accepted for presentation and publication in the conference proceedings published by Springer Lecture Notes in Computer Science series, leading to an acceptance rate of less

than 50%. The authors of the 21 papers considered to be the most innovative and original in terms of computing and information technologies were invited to submit “*substantially extended and updated manuscripts with additional original computational materials based on their most recent research*” for possible publication in this issue. Each submitted extended manuscript went through the journal’s review process using the journal review form. The seven manuscripts included in this issue are those that passed through the journal’s review process successfully.