

Preface

The 5th KES International Conference on Innovation in Medicine and Healthcare (InMed-17) was held on June 21–23, 2017, in Algarve, Portugal, organized by KES International.

The InMed-17 is the 5th edition of the InMed series of conferences. The 1st, the 2nd, the 3rd, and the 4th InMed conferences were held in Italy, Spain, Japan, and Spain, respectively. The conference focuses on major trends and innovations in modern intelligent systems applied to medicine, surgery, healthcare, and the issues of an aging population including recent hot topics on artificial intelligence for medicine and healthcare. The purpose of the conference is to exchange the new ideas, new technologies, and current research results in these research fields.

We received submissions from more than 10 countries. All submissions were carefully reviewed by at least two reviewers of the International Program Committee. Finally, 31 papers were accepted to be presented in this proceeding. The major areas covered at the conference and presented in this proceedings include the following: (1) Biomedical Engineering, Trends, Research, and Technologies; (2) Machine learning and labeling for biomedical visual data analysis and understanding; (3) Advanced ICT for Medical and Healthcare; (4) Healthcare Support System; and (5) Smart Medical and Healthcare System. In addition to the accepted research papers, three keynote speeches by leading researchers were presented at the conference.

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