

PREFACE

This volume includes the papers presented for the 2nd International Conference on Advanced Nondestructive Evaluation (The 2nd ANDE) held in Busan, Korea, 17-19 October, 2007. The aim of the conference is to discuss the current state of nondestructive technologies, which are rapidly progressing by integrating emerging technologies in the various fields.

Of the 583 papers presented at the conference, 240 manuscripts were included in this Volume. We believe that this proceedings volume includes many of the excellent papers presented at the 2nd International Conference on Advanced Nondestructive Evaluation.

Various technical sessions were scheduled that should be noted for both the advances made and the high technical interest shown. There are twenty six organized sessions in Aging and Degradation, Bio and Medical NDE, Composite Materials and Structures, Fatigue and Fracture, Guided Wave, Health Monitoring of Structure, Image Processing, IR Thermography, Materials Properties, Micro Sensor and MEMS, Modeling and Simulation, NDE for Biosystem and Agriculture, NDE in Electronic Industry, NDE in Materials Processing, NDT for Infrastructure, NDT in Nuclear Industry, NDT in Power Plant, Neutron Radiography, New Methods and Devices, Nonlinear Phenomenon, Optical Methods, Railways, Reliability, Signal Processing, Smart Structure and System, and Vibration.

We are grateful to all the members of the committee who have contributed with their invaluable experience and suggestions. We would like to thank all of the sponsoring institutions, organizations and companies which have supported the 2nd ANDE 2007 both financially and otherwise.

Finally, the organizers appreciate the support and contributions of the individuals whose efforts and participation were essential to the successful conference.