PREFACE

This volume of International Journal of Modern Physics: Conference Series (IJMPCS) includes manuscripts of most of the presentations, held on July 15-18, 2011 at Tokushima, Japan.

The AMDP conference is the triennial series of meetings ever since the first conference at Auckland in 1997. AMDP is receiving big response from the researchers from Materials Science. The main target of AMDP2011 is to bring together materials engineering researchers, scientists, practitioners and people from industry to exchange theories, ideas, techniques and experiences related to all aspects of AMDP. This conference demonstrated the new ideas and results which will stimulate and enhance the progress of research on the above conference theme.

It attracted a total of 400 registered attendees, including 149 students from 10 different countries. The conference received close to 340 papers from leading researchers and participants from countries such as China, Hong Kong, India, Japan, New Zealand, Singapore, South Korea, and Taiwan with one half of the participants being students (nearly 50%). This is a very good ratio showing that we could attract the young generation.

Among 292 technical papers presented at the, only a few authors chose to submit their manuscripts for publication in IJMPCS. From the 200 manuscripts received, 131 completed the review process and met the norms of publication in IJMPCS. All papers in this special issue were subject to the standard peer-reviewing process.

The success of AMDP2011 and publication of the proceedings has required help from several people. Finally, I would like express my sincere gratitude to the authors whose efforts are the very basis of the conference and the reviewers who have contributed their time and efforts to improving the quality of the publication.

Ri-ichi Murakami
Conference Editor, IJMPCS
The University of Tokushima, Japan