Preface

Asia-Pacific Conference on FRP in Structures (APFIS) is one of the official international conference series of International Institute for FRP in Construction (IIFC). The 1st APFIS was held in December 2007 in Hong Kong and the second one in December 2009 in Seoul. This 3rd APFIS, held in February 2012 at Hokkaido University, Sapporo is organized by the Japan Concrete Institute (JCI). While APFIS conferences are held in winter time, the other IIFC official conference, International Conference on FRP Composites in Civil Engineering (CICE), 5 conferences so far, have been held in summer time of the north hemisphere. We scheduled this conference to coincide with the Sapporo Snow Festival hoping that you will enjoy this magnificent event and your stay in this winter wonderland.

The proceedings of APFIS2012 include 6 keynote and 66 general papers. The first authors of 42 papers are from Asia, while 12 papers each are from Oceania and North America and 6 papers from Europe with the biggest contribution, 22 papers from the host country, Japan. Presentations are made either in the technical session or in the poster session. Some of the poster presentations do not have full papers in the proceedings. Topics of the papers cover issues ranging from strengths (material, anchorage and member), bond, confinement to durability. Structural types dealt with in the papers are not only concrete but also steel and FRP. Hybrid structure and material using FRP are also the major interests in the papers.

As chairman of the Organizing Committee, I would like to express my sincere gratitude to all the authors of papers for sharing the latest achievements on structural FRP in both research and practical fields, especially to the six keynote lecturers, Dr Thiru Aravinthan, Prof Goichi Ben, Dr Peng Feng, Prof Kyuichi Maruyama, Prof Jongsung Sim and Prof Jin-Guang Teng. The paper by Prof Maruyama focuses on the damage in structures by the Great East Japan Earthquake on 11th March 2011, which was not planned originally. I am grateful to the reviewing team which consists of International Scientific Committee and Organizing Committee members for their valuable efforts to guarantee the quality of the papers.

Last but not least it should be mentioned that the proceedings of APFIS2012, which is the primary outcome of the conference, could not have come out without the guidance of IIFC Executive Committee, the professional and financial support of JCI and the team works of JCI Organizing Committee. My special thanks go to Dr Toshiyuki Kanakubo, Dr Takumi Shimomura, Dr Yasuhiko Sato and Ms Naoko Masaki.

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