

Preface

This conference aims to conduct synthetic discussions and presentations of researches to promote overlooking researches of strength of materials and the fracture behaviors. For this purpose, pioneering scientists in this specialized field are invited from domestic and foreign countries and the future direction of the research was dispatched. ICF1 was held in 1965 at Sendai, Japan, and it has been held every four years and ICF12 was held in 2009 at Ottawa. Therefore, Sendai city is a memorial place of ICF and followed progress of the research of strength of materials. From these results mentioned above, by overlooking the historic researches of strength of materials from physics to holistic, to hold a conference which dispatches the future direction of progress was planned. Therefore, this conference was named International Conference on Fracture and Strength – From Physical to Holistic – which was held on October 4–6th, 2010 in Sendai, Japan. This conference is held by Prof. Takeo Yokobori as the honorary chairman who is the Founder President of ICF. Papers which were presented at this conference were included in the Special Issues of *Strength, Fracture and Complexity, An International Journal* through peer review. I am very glad if these Special Issues were helpful for people who study in this field.

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