

# CONVR 2010

## Proceedings of the 10th International Conference on Construction Applications of Virtual Reality

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# Preface

We are very pleased to hold the 10<sup>th</sup> International Conference on Construction Applications of Virtual Reality (CONVR2010). The CONVR started in 2000 in the United Kingdom, and the following conferences have been held in Europe, the United States, Southeast Asia and Oceania. This 10<sup>th</sup> anniversary conference is the first conference in East Asia, and is hosted by Miyagi University, jointly with Osaka University, Chuo University and Teesside University.

In the decade after the first CONVR, Information and Communication Technology has continued to advance rapidly, and in the area of architecture and civil engineering, utilizing computer-based visualization has become quite natural. Furthermore, research and development have been done extensively in laboratories in virtual reality, which is a more advanced technology in visualization, and augmented reality which aims to overlay the virtual image on the real world and augment the real world. The importance of Building Information Models (BIM) has come to be realized and four dimensional CAD systems have been developed for practical uses. The objective of this conference is to report and disseminate ideas, progress, and products of innovative international research activities in this exciting field and formulate strategies for future direction.

In response to our Call for Papers, we received 78 abstracts, of which 50 papers were finally accepted by the International Scientific Committee after two rounds of rigorous reviews (the first round was double-blind for abstract review and the second was single-blind for full paper). The proceedings include these 50 accepted papers with three keynote papers and one invited paper.

We hope that this 10<sup>th</sup> anniversary conference and the publication of the proceedings will contribute to the development of information technology in architecture and civil engineering in the future.

Koji Makanae (Chair, Miyagi University)

Nobuyoshi Yabuki (Co-Chair, Osaka University)

Kazuo Kashiwama (Co-Chair, Chuo University)

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