Welcome to the Sixth International Conference on 3D Digital Imaging and Modeling (3DIM 2007). The year 2007 marks the 10th anniversary of the 3DIM conference series. From its beginning in 1997, the conference aimed at bringing together researchers from various disciplines that were linked by a common interest in the optical acquisition and computational transformation of 3D information. The decade has seen a rapid increase of interest for these problems, and several areas of research have reached maturity while the availability of new hardware and algorithmic tools has opened new fields of investigation and potential applications.

This year, the conference received 79 full papers for review. Of those, 30 were selected for oral presentation and 21 for posters (two papers were withdrawn after acceptance). Each paper was sent for review to at least three members of the international Program Committee. We were glad to see the particularly high quality of reviews that greatly helped in the selection process. Based on the reviewers’ recommendation, the papers with the highest degrees of new contributions and clarity were retained.

Poster and oral papers are allowed the same number of pages in the proceedings. The authors of papers accepted as posters also give short oral presentations before the extended poster session. In addition to the selected papers, the conference also features five invited speakers that will cover the expanding spectrum of interest of the 3DIM community. We believe that the program assembled here offers a high-quality cross-section of current research and interests in the field of 3D imaging and modeling. We hope that the invited talks, oral presentations, extended poster session and demonstration session will provide ample opportunities for exchanges among conference participants.

We wish to thank the members of the Program Committee as well as additional reviewers for their essential role in establishing the scientific program of the conference. We also thank Sylvie Couture from the Conference Service Office of the National Research Council of Canada, Anatol Kark for the use and support of WitanWeb, and the IEEE Computer Society Conference Publishing Services for helping us making 3DIM 2007 a success.

Welcome to Montreal!

Guy Godin  
Conference Chair  

Patrick Hébert  
Takeshi Masuda  
Gabriel Taubin  
Program Co-Chairs