

Preface

Importance of Visualization in Science and Technology



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The 21st century has just started. Science and technology were dramatically advanced in the past century, probably far more advanced than anybody could have imagined. New discoveries were made and technologies were developed, which brought us rich and convenient life styles. There is no doubt that science and technology will continue to play an important role in the future. However, orientation of basic science in technology has changed and become more diversified. Industries based on technologies such as information or biology were rapidly developed around the turn of the century. These emerging technologies represent a paradigm shift from physics oriented technology to inter-disciplinary fields.

Due to advancement of new technologies, the way researchers tackle a problem is becoming different. Yet visualization is still a key to successful research in order to obtain real insights of phenomena. Journal of Visualization covers a wide range of research fields, and it has published prominent papers in the field of visualization over the years.

I am happy to present 9 papers and 6 frontispieces in this issue. This issue was organized with submitted papers in various aspects such as development of visualization techniques, visualization for better understanding of flow physics, and applications of visualization techniques in aeronautics, meteorology and combustion.

As a managing editor of this issue, I would like to extend my sincere appreciation to all the authors, reviewers and other people who helped organizing the journal. I hope the journal provides an opportunity to expand the horizon of research and contributes to future advancement of researches in visualization.

Managing Editor
Marie Oshima