

EDITORIAL INTRODUCTION

A SPECIAL ISSUE OF THE SCOPE (SEMINAR ON COMPUTATION AND OPTIMIZATION FOR NEW EXTENSIONS)

SCOPE (Seminar on Computation and Optimization for new Extensions : March 2009 to February 2012) is one of the research activities of the Operations Research Society of Japan (ORSJ). It was originally planned to call many young and/or outstanding researchers of operations research and related areas together to discuss recent research topics and new applications of optimization methods. We have so far held regular seminars at Chuo University, Tokyo several times a year and major seminars for young researchers at the University of Tsukuba once a year. It was a privilege and pleasure to invite many researchers to the SCOPE seminars and find many outstanding researches.

The main editorial idea of this special issue is to ask young researchers in Japan who have contributed to the SCOPE or related seminars to submit their recent original works with high quality. The other motivation of this special issue is to introduce these outstanding researches to the researchers of other areas as well as overseas. Upon call for papers in May 2011, we have reviewed eight submitted papers and finally accepted six papers out of them. Submitted papers were reviewed based on the rigorous standards of JORSJ.

The papers contained in this special issue deal with various and important topics about computation and optimization such as combinatorial and network optimization, linear programming, semidefinite programming, polynomial optimization, applications in facility location problem and finance, and high-performance computing. We are sure that all the papers in this special issue are of very high quality and compare favourably with those in other prominent journals of OR areas. We finally would like to thank all the contributors, referees, editors and editorial office of JORSJ for their great efforts and very quick responses.

Katsuki Fujisawa, Guest Editor
Jun-ya Gotoh, Guest Editor