

Foreword

Coastal area is the place where the human activities have been historically very high and the protection of the coastal area has always been an important issue. In the present industrial era, the human activities have reached a stage, where the anthropogenic effects on the natural process of coastal zone development can not be ignored, particularly in the developed countries. Some human (economical) activities may not only introduce the construction of the structures which significantly interfere with the natural development of the coastal zone but also may bring some foreign materials to the sea directly affecting the natural life in the coastal zone. It is needed for our society to improve our quality of life that we are able to predict (and evaluate) the change of coastal area in both natural and anthropogenic senses and to find the best solution when any problem arises. To this end, it is obvious that good knowledge and understandings of the dynamics played in the coastal zone are indispensable.

Many researches are being conducted to study the dynamics of the coastal system world wide. This conference Coastal Dynamics 2009, which is the sixth conference in the series following Coastal Dynamics 2005 held in April 2005 in Barcelona, Spain, brings together the field and laboratory experimentalists, theoreticians and modelers conducting research on the dynamics of the coastal systems. Their approaches include theoretical formulations, field and laboratory observations, and numerical simulations.

The main theme of Coastal Dynamics 2009 is “Impacts of human activity on dynamic coastal processes”. Example topics within this theme may be listed as in the following.

Coastal hydrodynamics

Coastal sediment transport

Coastal morph-dynamics

Coastal hydro-meteorology (waves, currents, tides, tsunami, storm surge, etc.)

Coastal environmental problems and marine ecology

Observational techniques and results (field and laboratory)

Numerical simulation (models and results)

Miscellaneous coastal dynamics

In the Book of Abstract are printed the accepted abstracts together with three full keynote lectures, and the attached CD contains the corresponding full papers presented at the conference. Many abstracts (234 in total) were submitted to be reviewed by the members of the International Steering Board with help of LOC and 168 papers were accepted. Final number to be presented in the conference and to be found in BoA and CD is 142, excluding the keynotes.

Finally the International Steering Board of Coastal Dynamics conference and the Local Organizing Committee would like to express sincere thanks to all those contributed to Coastal Dynamics 2009. We also acknowledge the support of Coastal Engineering Committee, JSCE, and the financial aid by Kajima Science Foundation.

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