

# PREFACE

## FOURTH INTERNATIONAL CONFERENCE ON OPEN MAGNETIC SYSTEMS FOR PLASMA CONFINEMENTS

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The Fourth International Conference on Open Magnetic Systems for Plasma Confinement (OS2002) was held in the beautiful Jeju Island, Korea, from July 1 through 4, 2002. This conference was held jointly with the Asia Pacific Conference on Plasma Science and Technology (APCPST), Korea Accelerator and Plasma Research Association (KAPRA) annual meeting for maximizing synergistic effects for plasma researches. The OS2002 was organized by the Korea Basic Science Institute and sponsored by the Korea Society of Vacuum Science, the Korean Physical Society, and the Korean Science and Engineering Foundation. This conference is the fourth one in the series initiated by Russia in 1993. The topics included in this conference range from basic plasma physics to the application of mirror-based plasmas to various fields such as the neutron source and space propulsion. Recent progress of five mirror devices and highlights of the mirror-based plasma researches were presented as oral and poster presentations. The fifth conference in this series will be held in Novosibirsk, Russia, in 2004.

Delegates from eight countries attended the conference; the programs consisted of 13 invited, 25 review, and 43 poster presentations. All the papers selected for publication in these proceedings were supervised and reviewed by the International Program Committee for this conference. Paper selection in these proceedings is therefore the responsibility of the Committee.

The members of the International Program Committee would like to acknowledge the American Nuclear Society for their sincere cooperation in the publication of these proceedings.