

PREFACE

FIRST INTERNATIONAL YOUTH CONFERENCE (IYC) ON FUSION ENERGY

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The first International Youth Conference (IYC) on Fusion Energy was held at the Daejeon Convention Centre, Republic of Korea, October 9–10, 2010. The IYC was organized in conjunction with the 23rd International Atomic Energy Agency (IAEA) Fusion Energy Conference with a view to providing an opportunity to bridge the gap between generations of emerging fusion scientists and engineers of the ITER era and the presently established experts in the field. The IYC was hosted by the Government of the Republic of Korea through its National Fusion Research Institute and organized in cooperation with the IAEA.

The scientific program of the IYC was established by an international committee and included a total of 13 oral presentations and 27 poster contributions. Each of the oral sessions was preceded by an introductory keynote speech by a renowned senior scientist and fusion program leader. The scientific topics of discussion as well as the corresponding contributed papers were selected so as to be relevant to the development of fusion energy including its technological readiness, social acceptance, and economic viability. The conference contributed in highlighting the range of scientific career opportunities available for students, young scientists and engineers in the fusion field. In addition, the participants had the opportunity to partly or fully attend the collocated 23rd Fusion Energy Conference and thereby exchange views with a large community of experienced scientists.

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