

India–Japan Seminar on New Materials

FOREWORD

Computational materials science was identified as a field of thrust in the area of new materials selected in the India–Japan Cooperative Science Programme. This Programme began in August 1993 and is being supported by the Department of Science and Technology, on the Indian side, and the Japan Society for the Promotion of Science, on the Japanese side. As a part of this scientific programme of cooperation, a visit of Indian specialists to Japanese research groups in computational materials science took place in 1995. And then an India–Japan Joint Seminar on Computational Materials Science was held in Hyderabad, on October 21 and 22, 1996. The occasion of the seminar served the intended purpose of bringing together active scientists in this field from the two countries.

The seminar had six Japanese and seven Indian speakers who presented their modelling and simulation activities covering a spectrum of topics such as surface chemistry, molecular dynamics, clusters, alloy design and microscopic deformation. Each of the presentations was followed by discussion in which invited participants other than the speakers also took part. This issue of *Bulletin of Materials Science* carries written versions based on the seminar presentations.

It is earnestly hoped that the scientific contacts established during the seminar and the present volume will lead to continuing cooperative research endeavour in the use of powerful computational techniques for bringing about significant advances in materials science.

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