

FOREWORD

This volume is the second of a series of books issued from the lectures delivered at the Euro-School on Materials Science, organised yearly in Ljubljana, by the European Network of Excellence Complex Metallic Alloys (CMA) under contract NMP3-CT-2005-500145.

The second session of the CMA Euro-School, was mostly dedicated to physical properties and applications of complex metallic alloys. These are introduced in the first chapter which complements the presentation already given by the same author in the first volume of the series. The second chapter is dedicated to the growth of single crystals and the problems encountered using various growing techniques. Then, four chapters report about thermoelectric properties, electronic structure and magnetism, they are followed by two more theoretical sections about the calculation of physical properties. The two next chapters are dedicated to hydrogen storage by complex metallic alloys and their applications. During this second session of the CMA Euro-School, a lecture was given about the discovery of bulk metallic glasses. It is reported in the last chapter of this volume.

Grateful thanks go to the European Commission for providing financial support. All authors whose contributions have made possible editing this volume are also warmly acknowledged.

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Paris, March 2009