



## Preface

The Second International Energy Agency Fusion Materials Agreement Workshop on Modeling and Experimental Validation was held in Les Diableret – Switzerland, on September 30–October 4, 2002, with more than 60 participants from Europe, Russia Federation, United States, Japan, Argentina, and China. This workshop was organized by the Fusion Technology Material group of the Centre de Recherches en Physique des Plasmas of the Ecole Polytechnique Fédérale de Lausanne.

The five-day Workshop had a format of talks and discussion sessions. A poster session was also organized. In total 28 talks and 18 posters were presented. They dealt with an updated review of topics related to irradiation damage including primary damage, irradiation-induced defect evolution, helium and impurities, defect-dislocations interactions, large plastic strain and fracture. These topics covered areas of theory, modeling and experiments and were mainly focused on the bcc structure (Fe, V, and their alloys) while studies on fcc and hcp structures were also presented and discussed. The different topics were discussed in separate discussion sessions where open issues were outlined. Some of the papers included in these Proceedings are reviews describing the current knowledge in specific topics while others are original contributions. A brief summary of the meeting highlighting the main results presented at the workshop appears at the end of these Proceedings.

This Proceedings are dedicated to the memory of Professor M. Kiritani who died a few months after his participation in the workshop.

### Acknowledgements

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