

CONTENTS

Foreword	vii
Committees	ix
Group Photo	xi
 General Criteria and Operation Limits of a Steady-State Fusion Reactor with Respect to Plasma-Material Interaction	 3
D. Naujoks	
Erosion Processes Due to Energetic Particle-Surface Interaction	18
K. Schmid and J. Roth	
Erosion, Contamination, and Migration	32
J. D. Strachan	
Modeling of Erosion and Deposition on Plasma Facing Walls	47
K. Ohya	
Benefits and Challenges of the Use of High-Z Plasma Facing Materials in Fusion Devices	 62
R. Neu	
Mixed Material Plasma-Surface Interactions in ITER: Recent Results from the PISCES Group	 78
G. R. Tynan, M. Baldwin, R. Doerner, E. Hollmann, D. Nishijima, K. Umstadter, and J. Yu	
Material Mixing of Tungsten with Carbon and Helium	92
Y. Ueda and H. T. Lee	
Tritium Issues in Plasma Wall Interactions	106
T. Tanabe	
Liquid Metal Walls, Lithium, and Low Recycling Boundary Conditions in Tokamaks	 122
R. Majeski	
Modeling and Simulation on SOL-Divertor Plasmas	138
T. Takizuka	
Modelling of Divertor Plasma Transport in Stochastic Magnetic Boundary . .	153
M. Kobayashi	
 Author Index	 173