

CONTENTS

INTRODUCTION

Introduction S. Wakatsuki	1
---------------------------------	---

HIGHLIGHTS

1. Atomic and Molecular Science	6
2. Materials Science and Engineering	10
3. Surfaces, Interfaces and Nano Science	24
4. Chemical and Environmental Science	32
5. Structural Biology	42
6. Imaging and Optics	54
7. Instrumentation and Methodology	58
8. Theory.....	66

EXPERIMENTAL FACILITIES

1. Newly Developed Experimental Facilities	73
2. Structural Biology Research Center	76
3. The ISSP Beamlines	84
4. ERATO Non-Equilibrium Dynamics Project	86
5. Slow Positron Facility	87
6. Summary of Experimental Stations	88

ACCELERATORS

1. Outline of the Accelerators	101
2. PF Ring	104
3. PF-AR.....	121

FUTURE LIGHT SOURCE

1. The ERL Project	127
--------------------------	-----

USERS PROGRAM & OUTREACH ACTIVITIES

1. Experimental Proposals	135
2. Public Events	138
3. Workshops and Seminars	140
4. Graduate School Education	144
5. International Collaboration	145
6. International Science Advisory Committee (ISAC)	146

APPENDICES

1. Site and Organization	148
2. Awards	156