

CONTENTS

ACKNOWLEDGMENTS	I
PREFACE	IV
TECHNICAL PROGRAM	1
SESSIONS	
AA. Glows I.....	27
AB. Multiphoton Processes and Negative Ions	32
BA. Particulates in RF Discharges.....	36
BB. Collision Processes in Discharges	41
CA. Comparison Session on High Density Plasmas	46
CB. Dissociation and Heavy Particle Collisions	51
D. Posters.....	56
DA. Diagnostics.....	57
DB. GEC Reference Cell and Related RF Discharge Measurements/Modelling	61
EA. Cathodes in Discharges: A Review	76
EB. Ionization and Electron Collisions	79
F. PLENARY LECTURE.....	84
H. Posters.....	86
HA. Transport.....	87
HB. Electron and Photon Collisions.....	93
HC Lamps	101
J. Posters.....	107
JA Optical and Probe Diagnostics.....	108
JB Glows	114
JC Particles in Plasmas.....	122
K Workshop – GEC Reference Cell Issues.....	126
LA. Lamps and Cathodes.....	127
LB. Electron Excitation and Ionization.....	132
M. Posters.....	137
MA. Glows	138
MB. Plasma Surface Interactions.....	146
MC. Heavy Particles and Negative Ions.....	149
NA. Alternative Applications for Plasma Processing.....	157
NB. Discharge Models	161
P. Posters.....	166
PA. Collisions in Plasmas.....	167
PB. Emission Spectroscopy.....	172
PC. Pulsed Power.....	178
PD. Alternative Applications for Plasma Processing.....	183
QA. Ionized Gas Physics in Pulsed Power.....	187
QB. Glows II.....	190
RA. Lasers and Switching.....	195
RB. ECR and Induction Plasmas	200
Scientific and Literature Exhibit Program.....	205
Science Teacher's Day Program	212
Index of Authors.....	214