Commission H - WAVES IN PLASMA

Chair: H.G. James (Canada) Vice-chair: U.S. Inan (USA)

H Special POWER TRANSMISSION FROM SOLAR POWER STATIONS, TECHNOLOGICAL, ENVIRONMENTAL AND BIOLOGICAL ASPECTS (I, C, P)

K. Hashimoto (Japan) and A. Alden (Canada)

Oral session *Wednesday, August 21, 2002 - morning* *Room: 0.8 Rome*

H Special.O.1 (965) SOLAR POWER SATELLITES: RECENT DEVELOPMENTS
Frank Little (United States of America) (I)

H Special.O.2 (1442) JAPANESE TRIAL FOR A BRIGHT AND CLEAN ENERGY FROM SPACE -- SOLAR POWER STATION (SPS) AND MICROWAVE POWER TRANSMISSION (MPT) --
Hiroshi Matsumoto (Japan) et al. (2 authors) (I)

H Special.O.3 (1965) POTENTIAL IMPACT OF A SOLAR POWER SATELLITE SYSTEM ON RADIO ASTRONOMY
Michael M. Davis (United States of America) et al. (2 authors) (I)

H Special.O.4 (126) BIOLOGICAL ASPECTS OF MICROWAVE POWER TRANSMISSION FROM SPACE SOLAR POWER STATIONS
James Lin (United States of America) (I)

H Special.O.5 (1332) EFFECTS OF SPS ON THE SPACE PLASMA ENVIRONMENT
Hideyuki Usui (Japan) et al. (3 authors) (I)

H Special.O.6 (618) LOW COST MICROWAVE RECTIFIER FOR LOW AND HIGH POWERS
Mohamed LATRACH (France) et al. (4 authors)

H Special.O.7 (1353) THE INVESTIGATIONS IN WIRELESS ENERGY TRANSMISSION AT THE KHARKIV NATIONAL UNIVERSITY OF RADIO ELECTRONICS
Yakov S. Shifrin (Ukraine) et al. (4 authors) (I)

Poster session *Thursday, August 22, 2002 - P2* *Room: Expo Foyer*

H Special.P.1 (1819) BEAM STEERING IN ACTIVE INTEGRATED ANTENNA FOR MICROWAVE WIRELESS POWER TRANSMISSION
Shigeo Kawasaki (Japan) et al. (5 authors)

H Special.P.2 (1325) OPTIONS FOR 21ST CENTURY POWER PROSPERITY
David Criswell (United States of America)

H Special.P.3 (229) RECTENNA ELECTROMAGNETIC COMPATIBILITY CONSIDERATIONS FOR SOLAR POWER SATELLITE SYSTEMS
A. Alden (Canada) et al. (2 authors)

H Special.P.4 (1441) SOLAR POWER RADIO INTEGRATED TRANSMITTER (SPRITZ) UNIT FOR SPS
Masahiro Mori (Japan) et al. (4 authors)

H Special.P.5 SPORTS: SOLAR POWER RADIO TRANSMISSION SYSTEM
(1493) HIroshi Matsumoto (Japan) et al. (4 authors)

H Special.P.6 DEVELOPMENT OF MICROWAVE POWER TRANSMISSION EQUIPMENT FOR SSPS RESEARCH FACILITY
(2204) Keiichi Morishita (Japan) et al. (6 authors)

H Special.P.7 BEAM CONTROL SYSTEM WITH SPREAD SPECTRUM PILOT SIGNALS FOR SOLAR POWER SATELLITE
(1284) Kozo Hashimoto (Japan) et al. (4 authors)

H Special.P.8 SOLAR POWER STATION/SATELLITE (SPS) WITH PHASE CONTROLLED MAGNETRONS
(1475) Naoki Shinohara (Japan) et al. (3 authors)

H Special.P.9 EXPERIMENTAL STUDY ON NOISES AND DC-RF EFFICIENCY OF MAGNETRONS FOR MICROWAVE POWER TRANSMISSION
(1459) Tomohiko Mitani (Japan) et al. (6 authors)

H Special.P.10 A DEMONSTRATION EXPERIMENT FOR MICROWAVE POWER TRANSMISSION FROM SPACE TO GROUND
(2105) Koji Tanaka (Japan) et al. (5 authors) (I)

H Special.P.11 RF TRANSMISSION POWER DISTRIBUTION BY DISCRETE SPACE SEGMENTS OF SSPS
(1667) Tomohiro Mizuno (Japan) et al. (6 authors)