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Space Cells and Systems

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Chairpersons: Bogus K., ESTEC, Noordwijk, The Netherlands
Matsuda S., NASDA, Ibaraki, Japan

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- SB1.4 Characteristics of the First GaInP/GaAs Cascade Solar Cells Grown by a Production-Scale MBE System
Lammansniemi J., Kazantsev A.B., Jaakkola R., Aho R., Mäkelä T. & Pessa M., Tampere University of Technology, Finland; Ovtchinnikov A. & Asonen H., Coherent Tutcore, Tampere, Finland; Robben A. & Bogus K., European Space Agency/ESTEC, Noordwijk, The Netherlands 3520
- SB1.5 Towards 40% Super High-Efficiency Multi-Junction Solar Cells
Yamaguchi M. & Takamoto T., Toyota Technological Institute, Nagoya, Japan; Wakamatsu S., PVTEC, Tokyo, Japan 3524
- SB1.6 In-Orbit Performance of Hughes HS 601 Solar Arrays
Fodor J.S., Goldhammer L.J., Schwartz J., Gelb S.W., Moffett D., Williams R. D., Powe J. S., Hughes Spaces and Communications, Los Angeles, USA 3530

SPECIAL SESSION SB2 Space Cells and Systems

Chairpersons: Brinker D., NASA Lewis Research Centre, Cleveland, USA
Yamaguchi M., Toyota Technical Institute, Nagoya, Japan

- SB2.1 High Efficiency GaInP₂/GaAs/Ge Dual and Triple Junction Solar Cells for Space Applications
Karam N.H., Ermer J.H., King R. R., Haddad M., Cai L., Joslin D.E., Krut D.D., Takahashi M., Eldredge J. W., Nishikawa W., Cavicchi B.T. & Lillington D.R., Spectrolab, Sylmar, USA 3534
- SB2.2 Structure of Ge(100) Surfaces for High Efficiency Photovoltaic Applications
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- SB2.3 Explanation for Carrier Removal and Type Conversion in Irradiated Silicon Solar Cells
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- SB2.4 Diffusion Length and Defect Studies in Proton Irradiated InP/Si Solar Cells Using EBIC, Catho-dluminescence and Quantum Efficiency Measurements
Walters R.J., Naval Research Laboratory, Washington DC, USA; Romero-Florez M.J., Araujo D., Garcia R., Universidad de Cadiz, Spain; Messenger S.R., SFA, Largo, USA; Summers G.P., Naval Research Laboratory, Washington DC, USA 3554
- SB2.5 The Effect of Surface Conditions on the Strength of Wafers and Solar Cells
He C.C., Wang L., Kiwak R.S. & Parker B.H., NASA Goddard Space Flight Center, Greenbelt, USA 3560
- SB2.6 AlGaAs/GaAs and GaInP₂/GaAs Two-Junction Cascade Solar Cells
Hardingham C., Huggins C.R. & Cross T.A., EEV, Chelmsford, United Kingdom 3564

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Chairpersons: La Roche G., DASA, Ottobrunn, Germany
Pollard H., Space Systems, Palo Alto, USA

- SB3.1 Photovoltaic Engineering Testbed on the International Space Station
Landis G.A. & Bailey S.G., NASA Lewis Research Center, Cleveland, USA 3568
- SB3.2 Irradiation Tests of Recent Terrestrial Solar Cells for MDS-I
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- SB3.3 Second International Round Robin Plan for Space Solar Cells
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- SB3.5 Sustained Arcing Phenomena and the HS702 Solar Array Design
Gelderloos C.J., Leung P., Bodeau J. M., Goldhammer L. & Mason A., Hughes Space & Communications Company, El Segundo, USA 3576
- SB3.6 The Solar Cell Experiment on the First Brazilian Satellite: 1000 Days of Data Analysis
Veissid N., Nubile P. & Beloto A.F., INPE-LAS, São José dos Campos, Brazil 3582

SPECIAL SESSION SB4 Space Cells and Systems

Chairpersons: Flores C., CISE, Segrate, Italy
Goldhammer L., Hughes Space & Communications, Los Angeles, USA

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