

ESA Power Workshop 2025

Thursday 10 April 2025

Solar Generators: Welcome and introduction - Tennis Hall (09:30 - 09:40)

-Conveners: Antonio Caon

Solar Generators: ESA Presentation: Highlight on the technology roadmap and major topics - Tennis Hall (09:40 - 10:00)

-Conveners: Antonio Caon; Carsten Baur

Solar Generators: Session 1 - AZUR SPACE's solar cell products for versatile space applications - Tennis Hall (10:00 - 10:10)

-Conveners: Torsten Torunski

Solar Generators: Session 1 - Solar Cells manufacturing improvement (CESI) - Tennis Hall (10:10 - 10:20)

-Conveners: Roberta Campesato

Solar Generators: Session 1 - Silicon Solar Cells for Space Applications: Degradation and Regeneration Effects (ISC Konstanz) - Tennis Hall (10:20 - 10:30)

-Conveners: Valentin Mihailetschi

Solar Generators: Session 1 - Silicon Photovoltaics for Space: Key Issues and Advances (CEA) - Tennis Hall (10:30 - 10:40)

-Conveners: Romain Cariou

Solar Generators: Session 1 - Progress towards Low Cost III-V Space Solar Cells (Fraunhofer-ISE) - Tennis Hall (10:40 - 10:50)

-Conveners: David Lackner

Solar Generators: Session 1 - (R-) Evolutionary innovation in Ge substrates for space multijunction solar cells (UMICORE) - Tennis Hall (10:50 - 11:00)

-Conveners: Jinyoun Cho

Solar Generators: Session 1 - Perovskite-silicon tandem cells and their potential for space PV (Oxford PV) - Tennis Hall (11:00 - 11:10)

-Conveners: Beth Allum

Solar Generators: Session 1 - Perovskite Solar Cells for VLEO Applications (Institute for Photovoltaics, University of Stuttgart) - Tennis Hall (11:10 - 11:20)

-Conveners: Stephanie Essig

Solar Generators: Session 1 - Solar panel protection : a challenge for Rectifier (STMicroelectronics) - Tennis Hall (11:20 - 11:30)

-Conveners: Thierry Castagnet

Solar Generators: Session 2 - On-going and Future Developments at Teledyne Qioptiq - Tennis Hall (12:00 - 12:10)

-Conveners: Jilly Knox-Shoosmith; Sam Vaughan

Solar Generators: Session 2 - Solar Cell Cover glass development of SCHOTT - Tennis Hall (12:10 - 12:20)

-Conveners: Oliver Theussl

Solar Generators: Session 2 - Sparkwing solar arrays for MW constellations (Airbus) - Tennis Hall (12:20 - 12:30)

-Conveners: Martin Kroon

Solar Generators: Session 2 - Solar Arrays Development at Leonardo - Tennis Hall (12:30 - 12:40)

-Conveners: Giorgio Tesser

Solar Generators: Session 2 - Advance in series production experience. Balance after three years of massive activities (SpaceTech, STI) - Tennis Hall (12:40 - 12:50)

-Conveners: Emanuele Ferrando

Solar Generators: Session 2 - PVA developments from TAS-B (Thales Alenia Space Belgium) - Tennis Hall (12:50 - 13:00)

-Conveners: Johan Das

Solar Generators: Session 3 - Development of a Synchronized Deployment Solar Array Wing for SmallSats (DHV) - Tennis Hall (14:30 - 14:40)

-Conveners: Ismael Sanchez

Solar Generators: Session 3 - 5M - Involvement in solar panel development and manufacturing (BSTG - 5M) - Tennis Hall (14:40 - 14:50)

-Conveners: Pavel Lorenc

Solar Generators: Session 3 - AELIS, innovative testing of Solar Array Wings at Beyond Gravity - Tennis Hall (14:50 - 15:00)

-Conveners: Héloïse Boross

Solar Generators: Session 3 - PowerCube - An Origami-Inspired 100W Solar Array for SmallSats (DCUBED) - Tennis Hall (15:00 - 15:10)

-Conveners: Antonio Pedivellano

Solar Generators: Session 3 - DESOP, deployable solar panels for nanosatellite (PROGETTI) - Tennis Hall (15:10 - 15:20)

-Conveners: Loris Marchignani

Solar Generators: Session 3 - DEAR – A 1U membrane-based 100W Solar Array Engineering Model development and testing (DLR) - Tennis Hall (15:20 - 15:30)

-Conveners: Tom Sproewitz

Solar Generators: Session 3 - Spasolab activities and perspectives - Tennis Hall (15:30 - 15:40)

-Conveners: Christopher Lawrence Barber Daza

Solar Generators: Wrap-up and conclusion - Tennis Hall (16:10 - 16:40)

-Conveners: Antonio Caon