

**TRACK NAME**

Sustainability Research, Education, and Community Engagement - GIOS

**SESSION NAME**

Solar Research and Market Transformation

**DATE + TIME + ROOM NUMBER**

Friday September 5<sup>th</sup> – 10:10am – 101C

**SESSION DESCRIPTION**

This session will cover the latest advances in solar research and how they will change the economics of utilizing solar technology.

**PRESENTOR(s)**

George N. Maracas – Arizona State University

**PRESENTOR BIOGRAPHY (s)**

George Maracas is Professor of Electrical Engineering and School of Sustainability. He is also Chief Operating Officer of the Solar Power Laboratory in GIOS. His roles are to establish a major Solar Energy Program at ASU by coordinating and enhancing interdisciplinary solar research, curricula and industry relations.

Prior to ASU he spent 14 years at Motorola Labs where he held Director of Nanotechnology and other Director and research management positions. In this capacity he directed and managed research efforts across the corporation and started several initiatives including Motorola Life Sciences. Prior to Motorola he was Professor of Electrical Engineering at ASU for 11 years and established research programs in advanced materials and optoelectronic devices. George received his BA in Physics from New York University, M.Eng. in Engineering Physics from Cornell University and Ph.D. in Electrical Engineering from Cornell University. He has authored/co-authored over 110 technical papers and presentations and holds 30 issued US patents.

Professor Maracas' research interests are in nanostructures for solar energy conversion and renewable energy technologies for Sustainability. He received the Motorola Master Innovator award, elected to the Motorola Scientific Advisory Board Associates (SABA) and received the National Science Foundation Presidential Young Investigator award.

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