

Sastry Pamidi



Prof. Sastry Pamidi is an Associate Professor in Florida Agricultural and Mechanical University and Florida State University College of Engineering. He is the Associate Director of Florida State University Center for Advanced Power Systems. He has been working on Cryogenic Engineering and Superconducting Applications since 1986. For the past 15 years, he has been leading a multidisciplinary research group focusing on cryogenic helium circulation systems for superconducting power applications and high temperature superconducting power devices cooled with helium gas circulation. His research group has recently demonstrated successfully a helium gas cooled superconducting DC power cable.

Sastry's current research interests include design of novel superconducting power devices, cryogenic dielectric materials and designs for superconducting devices, cryogenic helium circulation systems with large mass flow rates, AC loss measurements in pulsating and rotating magnetic fields, and integrated cryogenic systems for multiple superconducting devices.

Sastry teaches classes in superconducting power systems & associated cryogenic engineering, and advanced characterization techniques for superconducting materials and devices. He collaborates with many research groups in the US and abroad. He supports the superconductivity industry and works with many small businesses developing superconducting power device components.

Sastry has been active in cryogenic engineering and applied superconductivity community and has served multiple times as a technical editor of CEC-ICMC proceeding and IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY.

Sastry has published more than 160 papers in superconductivity and cryogenics and has 3 issued patents related to cryogenics and superconductivity.

Sastry is a member of IEEE, Cryogenic Society of America, and Project Management Institute. He is a Senior Member of IEEE and Certified Project Management Professional.