

Speaker Information

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Brief Bio

Dr. Omkar Jani is currently the Principal Research Scientist heading solar energy-related and allied activities at the Gujarat Energy Research and Management Institute (GERMI). He received his Ph.D. in Electrical Engineering from Georgia Institute of Technology with specialization in Solar Photovoltaic Science and Engineering; and his post-doctoral fellowship from the Institute of Energy Conversion, Delaware.

Dr. Jani initiated solar energy-related activities at GERMI, and today GERMI provides advisory for various solar and renewable energy-related government initiatives, policy and regulation; undertakes or supports pilot programmes in renewable energy for renewable energy for the Government of Gujarat; conducts fundamental and applied research; and undertakes capacity building at both professional and vocational levels.

During his research, Dr. Jani has worked on programmes funded by U.S. Defense Advanced Research Projects Agency (DARPA), U.S. Department of Energy (DOE), National Renewable Energy Laboratory (NREL), National Aeronautics and Space Administration (NASA) and Solar America Initiative (SAI), and also on collaborative projects with solar photovoltaic companies such as BP Solar and SunPower Corp. Dr. Jani has over 50 national and international journal and conference publications.

Dr. Jani is a member of the State Advisory Committee of the Gujarat Electricity Regulatory Commission (GERC). He is also an advisor to several clean energy-related companies and NGOs. Prior to his work with GERMI, Dr. Jani founded and headed the Kanoda group of companies, which is comprehensive solution provider in the field of solar and smart technologies.

Dr. Jani's interests are in high-efficiency photovoltaics, sustainable policies and capacity building. He is a first dan black-belt in Shorin Ryu Karate.
