Stanford University

TomKat Center for Sustainable Energy
Precourt Institute for Energy
SLAC National Accelerator Laboratory
Energy and Environment Affiliates Program
Civil and Environmental Engineering
Department of Electrical Engineering

Stanford SmartGrid Seminar

Real Time Distributed Grid Edge Control

Deepak Divan

Varentec, Inc.

1:00pm-2:00pm, Tuesday, Nov 25th, Y2E2 101

Bio: Dr. Deepak Divan is President and CTO of Varentec, a company funded by green-tech venture capital firm Khosla Ventures, that is providing innovative solutions to achieve a smart and dynamically controllable grid. He has over 35 years of experience in industry and academia in the areas of power electronics applied to utility and industrial systems with Varentec being his third entrepreneurial venture. Deepak is a Fellow of the IEEE, recipient of the 2006 IEEE Newell Award, and is past President of the IEEE Power Electronics Society. He has been invited to speak at various of conferences and symposiums, including the 2012 ARPA-E Summit, on topics related to next generation power electronics and emerging solutions for dynamic grid control. From 2004-2011, he served as Professor in Electrical and Computer Engineering and Founding Director of the Intelligent Power Infrastructure Consortium at the Georgia Institute of Technology in Atlanta. Prior to that, Dr. Divan led Soft Switching Technologies as Founder & CEO. He has also been a professor in Electric Engineering at the University of Wisconsin – Madison. He has over 250 papers and 50 issued and pending patents. Dr. Divan combines unique perspectives on the changing landscape on the Transmission & Distribution grid, and the need for a transition to dynamic grid control, including advanced power electronics solutions. His research interests are in dynamic grid control, sustainable energy and advanced power electronics.