



SAN DIEGO STATE
UNIVERSITY

College of Engineering – Associate Dean ADMINISTRATIVE SEMINAR

“Roadmap Strategies: Being a Preeminent Student-Success Centered Community-Engaged Research Engineering College”

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& James Clerk Maxwell Professor in the UB Department of Electrical Engineering

Friday, February 6, 2015 – 1:15pm-2:30pm
Bioscience Center, Gold Auditorium

Abstract: The establishment of a roadmap to achieve a vision for the San Diego State University College of Engineering is a "collaborative process" in which we describe our direction at some point in the future and is a key function to promote as well as support the overall SDSU strategic plan as appropriate to the institution's mission. We present an approach towards the development of a roadmap for the COE with the involvement of faculty and staff, key stakeholders, students, institutional leadership, and information gathering both internal and external so that the COE aligns with the SDSU Building on Excellence strategic plan to foster student success, research and creative endeavors, and community and communications. A draft straw-man vision is discussed and strategic directions proposed.

Speaker Bio: Dr. Alex Domijan is the Director of the Power Center for Utility Explorations in the School of Engineering and Applied Sciences at the AAU RU/VH University at Buffalo, and is the James Clerk Maxwell Professor in the UB Department of Electrical Engineering. Dr. Domijan received his B.S. in electrical engineering from the University of Miami, M.E. in electric power engineering from RPI, and Ph.D. in electrical engineering from the University of Texas at Arlington. He has been a tenured Professor at the University of Florida (an AAU RU/VH institution with over 45K students) and the University of South Florida (an RU/VH institution with over 40K students). He has authored over 80 refereed publications and has been PI on over \$20M in research projects. His main interests are in flexible, reliable, and intelligent energy delivery systems, which are more commonly known as smart grids. Dr. Domijan developed the Power and Energy Applied Research Laboratory which was among the first with the capability to produce arbitrary voltage and current waveforms to apply to devices under test, and now has a portfolio of capabilities to address a range of power research from transmission, distribution to generation. He has been the Chair of many international conferences on energy systems. His significant efforts have included Demand Response Opportunity Pilots (awarded Peak Load Management Award), Sustainable Electric Energy Delivery Systems (energy storage effort), Distributed Energy Programs in wind and solar, Smart Energy pilots, Distributed Premium Power Park, Time Monitoring for Power Quality, Peak Load Shaving Technology with Renewable Resources, Demand Side Management Pilots, Advanced Commercial Energy technology for price response load management; and a Weather and Reliability effort monitoring 3 million utility customers, and work now in progress involves formation of a community advancement strategy to revitalize urban areas, and leading a DOE and FPL funded \$12.5M Gateway to Power smart energy educational effort. In summary the work of Dr. Domijan has been centered about dealing with energy systems comprehensively and providing solutions and paths that enable our interconnected infrastructures to operate robustly.

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