

## For Immediate Release

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### JPL 'keynotes' Global Smart Energy Conference in Monterey on Nov. 13

Monterey, Ca., Oct. 29, 2009 – Dr. David M. Tralli, Manager of the Civil Programs division at **NASA Jet Propulsion Laboratory (JPL)** will be the keynote speaker for the upcoming conference in Monterey Ca., on November 13th entitled '**Global Smart Energy – Bilateral Trade Opportunities**'.

Dr. Tralli will address the major changes that are needed in energy infrastructure in order to meet the anticipated energy conversion and climate issues in the next ten years, and beyond. While many technological solutions have been proposed, the world's evolution into 'Smart Energy' is multifaceted and requires a detailed, balanced and unbiased approach that looks at technology availability and implementation possibilities, especially since the Obama administration announced \$3.4 billion in stimulus funds for the U.S.'s. evolution into 'Smart Energy'.

At issue is that the present electric power system has a vertically integrated architecture, generally with little interconnectivity, and limited monitoring or control out in the distribution system. Ensuring grid reliability, security, interoperability and sustainability, given the inherently intermittent and distributed nature of renewable energy resources, are fundamental requirements as renewable energy penetration and utilization grow to meet Renewable Portfolio Standards targets. Moreover, the simultaneous emergent demands of renewable energy sources and clean transportation will place additional and completely new requirements on the decades-old grids here and abroad.

"There is a wealth of technology RD&D needed for meeting the requirements of a future electric power grid. The adoption and integration of these technologies must be driven by objective systems analyses that address short- and midrange priorities while being responsive to the needs of consumers for cost-effective, end-use applications and value-added services", state Dr. Tralli".

The conference will feature additional presentations from smart energy users such as California Based 'Better Place that is leading the world by building intelligent network infrastructures in Denmark and Israel that will enable adoption of electric vehicles, deliver a range of services to drivers, and optimize energy use via EV smart grid software that interfaces with utilities.

Additional presenters include Marty Kurtovich, Senior Business Development Manager for Chevron Energy Systems (CES) who will discuss a Zero Net Energy model where localized Micro Grids are designed into a development to provide sustainable energy for their respective communities while generating excess power that can be sold back to the respective energy utility and thus minimize the carbon footprint of that development.

Information on the emergence of local Smart Micro Grids and how they fit into the global energy infrastructure will be discussed while highlighting various global opportunities for American companies in the smart energy sectors. For example, micro grids can provide a mechanism for organic growth in developing countries that are plagued by badly functioning national grids.

This conference is produced by the **Monterey Bay International Trade Association (MBITA)** ([www.mbita.org](http://www.mbita.org)) and will be held at the Monterey Institute of International Studies (MIIS). Full details can be found at [www.mbita.org/events/global-smartenergy.html](http://www.mbita.org/events/global-smartenergy.html)