

El Paso Start-up to Lead Nanotechnology Colloquium

El Paso, Texas (October 17, 2008) Jan Beck, PhD, of El Paso-based TXL Group, will be the featured speaker at this month's Nanotechnology Colloquium on Monday, Oct. 20th.

The program will start at 12 noon, and is hosted by TPEP RCIC (Trans Pecos/El Paso Regional Center of Innovation and Commercialization) at El Paso Community College. The program will be video-conferenced out to Colloquium attendees in Houston, The Woodlands, Austin, Dallas, and San Antonio.

Jan Beck is the Chief Technology Officer of TXL Group in El Paso, a company involved in the research, development and production of the next generation of thermoelectric (TE) devices for the conversion of thermal energy into electrical energy. The timing for cost effective TE devices is particularly fortuitous in that TXL's work is taking place at a time of unprecedented increases in energy costs.

The title of Beck's presentation is "(Nano-)Materials Made Easy. No Math Required". Beck maintains that nanoscale engineering is not new, since chemists have always worked at an atomic scale. The same set of rules applies over all size scales, are expressed mathematically, with quantum physics. But no math is necessary to understand concepts behind these rules and the way they determine the properties of materials.

This talk will explain what makes materials act the way they do, and in the process show that there is nothing special about nanostructured materials - they obey the same rules. Recent advances in technology allow for the structuring of materials at the nanolevel that could not be structured so before. The results are materials with new and exciting properties, many of which are currently used in everyday life.

About Jan Beck: Beck is the Chief Technology Officer of TXL Group. Beck received a BS degree in applied physics, an MS degree in computer science and a PhD in electrical and computer engineering, in, respectively 1999, 2001 and 2004, all from the University of Texas at El Paso. He was employed full time at X-L Synergy from 2004-2007. He currently designs thermoelectric materials to generate electricity from temperature differences.

About TXL Group: TXL Group, Inc. is an EL Paso, Texas Corporation dedicated to the development and manufacturing of thermoelectric generation technology and heat pumping (Peltier) technology. The company is involved in the research, development and production of the next generation of thermoelectric (TE) devices for the conversion of thermal energy into electrical energy, and has developed unique models for thermoelectric behavior at the "nano" level.

About The Trans Pecos/El Paso Regional Center of Innovation and Commercialization

Established in 2007, the Trans Pecos/El Paso Regional Center of Innovation and Commercialization (TPEP RCIC), a Texas non-profit, serves as a catalyst for economic development. TPEP RCIC acts as a "cashless venture capital organization" and assists business in meeting the requirements to seek funding by the Texas Emerging Technologies Fund and / or private capital sources.

TPEP RCIC's in-depth investigative, research and evaluation processes culminate in the presentation of highly qualified candidates to venture capitalists and private funding entities

resulting in a verifiable, consistent track record of reduced risks for investors and good rate of returns on investment, which has earned them the respect from the funding community in a relatively short period of time. In addition, the agency excels in facilitating the transfer of technology from universities and national labs into the commercial sector.

The TPEP RCIC is comprised of qualified specialists and network of partners from the Trans Pecos/El Paso region who possess a unique blend of experience in high technology, start-up operations, economic development, venture funding, and globalization. They also have connections with financial institutions and the financial community at-large, which offers a deeper understanding of the requirements posed by funding entities and provides connections with capital resources. For more information, please visit: www.tpeprcic.org.

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