

Thursday, October 2, 2008

Business Hall Exhibits Open 9:30 AM

7:30 AM	Networking Continental Breakfast - Landmark A		
8:15 AM	Opening Session		
Landmark A 8:15 AM - 9:30 AM	MC - Dr. Zvi Yaniv WR - Dwaine R. Caraway Dr. Stanford R. Ovshinsky <i>"What Is so Special About Nanoscience and Technology"</i>	CEO Deputy Mayor Pro Tem Founder	Applied Nanotech, Inc. City of Dallas Ovshinsky Innovation LLC
9:30 AM	Networking Break - Exhibit Hall - Marsalis A		
10:30 AM			
Cumberland E-F Track 1 - Session 1: 10:30 AM - 12:30 PM	Session Chair - Darlene Ryan Paul Patterson <i>"Printed Electronics: Emerging Nanotechnology Process"</i> Dr. Donald Hayes <i>"Printed Electronics utilizing Ink Jet Technology"</i> Klaus Ruhmer <i>"Technology Advances in Semiconductor Packaging - Driven by 3D packaging and nanoscale integration"</i> Dr. Edward S. Kolesar <i>"Precise Bi-Directional Motion Achieved with an Electrothermally-Actuated MEMS Microengine"</i> Dr. Tim Dallas <i>"Dynamic MEMS"</i> Teena James Manu Sebastian Mannoor <i>"Ultra Sensitive Capacitive Sensor with Nano-scale Electrode Spacing for Label-free DNA Detection"</i>	Executive Director General Manager Founder Director W.A. Moncrief Professor of Engineering Associate Professor of Electrical & Computer Eng. Microelectronics Research Center Microelectronics Research Center	Tech Fort Worth Seiko Epson MicroFab Technologies SUSS MicroTec, Inc. Texas Christian University Texas Tech University New Jersey Inst.of Tech. New Jersey Inst.of Tech.
Cumberland K Track 2 - Session 1: 10:30 AM - 12:30 PM	Session Chair - Larry Calton Dr. Naomi Halas Dr. Joerg Lahann <i>"Towards Switchable Nanomaterials for Biomedical Applications"</i> Dr. Lawrence Tamarkin <i>"Phase I Cancer Patient Trial of the Nanomedicine CYT-6091 (Aurimune™)"</i> Dr. Maya Nair <i>"Novel Biocompatible Nanoparticles for Targeted Cancer Therapy"</i> Dr. Arthur P. Bollon <i>"HemoTech: Human Blood Substitute"</i> Dr. Sam Shefer <i>"Smart Nanotechnology Based Delivery Systems"</i>	Executive Director Professor Dow Corning Assistant Professor President & CEO Research Assistant Professor Chairman, President & CEO Founder	NTEC Rice University University of Michigan CytImmune Sciences, Inc. UNHSC HemoBioTech, Inc. Salvona Technologies, Inc.

Cumberland G-H Track 3 - Session 1: 10:30 AM - 12:30 PM Energy & Environment	Session Chair - Robert Winningham Dr. Ray H. Baughman Dr. Edgar Muñoz <i>"Laser Chemistry: From the Molecule to the Nanostructured Extended Solid"</i> Dr. Robert Blaunstein <i>"Nanotechnology: Risk Management Strategies for Environmental, Health and Safety Issues"</i> Carey Jordan Tom Bunting <i>"Energy Industry Trends and Chevron's Higher Diamondoid Story"</i> Speaker - TBA	Executive Director, CEO Director Professor - Department of Nanotechnology President Partner Business Adviser	Allen EDC UTD NanoTech Institute Instituto de Carboquímica Nanotech Risk Manage. Baker Botts L.L.P. Chevron Tech. Ventures
Cumberland L Track 4 - Session 1: 10:30 AM - 12:30 PM Transportation & Security	Session Chair - Dr. Donna J. Nelson Dr. Donald A. Hicks <i>"Commercialization Strategy Issues for the Molecular-Era Economy"</i> Dr. Jack Agee <i>"CONTACT – University research for the Air Force and Aerospace"</i> Speaker - TBA Dr. Sharon Smith <i>"View into our interests in nanotechnology at Lockheed Martin"</i> Dr. Faruq Marikar <i>"Nanotechnology in Automotive: The Tailpipe as an Option"</i> Sachi Kanta Kar <i>"Synthesis of Metal Matrix Nano composites for Space Craft Application"</i>	Assoc. Professor - Dept. of Chemistry & Biochemistry Special Assistant to the President Executive Director, CONTACT Program Director, Advanced Technology Managing Partner Senior Manager	University of Oklahoma Univ. of Texas at Dallas Rice University Lockheed Martin Corp. Nanobiz, LLC Central Tool Room & Trg.C.
Cumberland I-J Track 5 - Session 1: 10:30 AM - 11:30 AM	Nanotech 101 Class Session Chair - Erin Steed Dr. Hector Aguilar	Partner Chair of Electronics & Advanced Tech. Dept.	CameronWeeks Public Rel. Austin Community College
11:30 AM			
Cumberland I-J Track 5 - Session 1: 11:30 AM - 12:30 PM	BioNano 101 Class Session Chair - Erin Steed Dr. Deb Newberry	Partner Professor & Author	CameronWeeks Public Rel. Dakota State Tech. College
12:30 PM Luncheon & Networking			
Landmark A 12:30 PM - 2:00 PM	MC - Steve Scheve William J. Kroll	Partner Chairman & CEO	Baker Botts Matheson Tri-Gas
2:00 PM			

Cumberland E-F Track 1 - Session 2: 2:00 PM - 3:00 PM Electronics & Materials	Session Chair - R. Mike Lockerd Dr. Zvi Yaniv <i>"Nanotechnology, managing high-tech in turbulence"</i> Dr. Moon J. Kim <i>"Nano-X for Nanoelectronics"</i> Dr. Ali E. Aliev <i>"Enhanced Thermal Conductivity of Carbon Nanotubes for Heat Management"</i>	Executive Director CEO Professor - Dept. of Materials Science & Eng. Researcher	North Texas RCIC Applied Nanotech, Inc. Univ. of Texas at Dallas UTD NanoTech Institute
Cumberland K Track 2 - Session 2: 2:00 PM - 3:00 PM Biology & Medicine	Session Chair - Nancy Windham Dr. Pierfrancesco Morganti <i>"Nanoscience: The challenging cosmetics, healthy food & biotextiles"</i> Courtland Imel Dr. Anis Rahman <i>"Dendrimer Terahertz Source: Its Capabilities and Applications in Life Sciences"</i>	VP Economic Development Professor President Chair/CTO	Frisco EDC University of Naples Ceutical Labs Applied Res. & Photonics
Cumberland G-H Track 3 - Session 2: 2:00 PM - 3:00 PM Energy & Environment	Session Chair - Dr. Charles Brumlik Dr. Jacob Stanley <i>"Ecotoxicology of Engineered Nanomaterials"</i> Dr. Mikhail Kozlov <i>"From Electrical to Fuel Powered Artificial Muscles"</i> Dr. Pradeep Shah <i>"Integrated energy harvesting solutions for portable, remote self powered applications."</i>	Partner Research Biologist Research Scientist Founder & CEO	Nanobiz, LLC U.S. Army Eng. R&D Center Univ. of Texas at Dallas Texas MicroPower Inc.
Cumberland L Track 4 - Session 2: 2:00 PM - 3:00 PM Transportation & Security	Session Chair - John James Barnes Mark Hakey Speaker - TBA Dr. Richard Fink <i>"Applications of Nanotechnology for Homeland Security"</i>	Director Distinguished Eng. - Semicon. R & D Center VP, Engineering	SOLAS Associates IBM Corporation Applied Nanotech, Inc.
Cumberland I-J Track 5 - Session 2: 2:00 PM - 3:00 PM Business & Economic Development	Investing in Nanotechnology Panel Session Chair - Kathleen D. Knight Carl R. Johnson - Moderator J. Andrew Braswell Patrick Custer Dr. Stanislaus Wong Stephen L. Fluckiger Fred S. Patterson	Partner - Whitaker, Chalk, Swindle & Sawyer Executive Director - Research Director of Research Chairman Associate Professor Partner President	W. C. S. & S. Infrastructure iNano Capital Markets Venture Pacific Group SUNY Stony Brook Jones Day Commercial. Fund. Coach
3:00 PM Networking Break - Exhibit Hall - Marsalis A			

3:30 PM			
Cumberland L Nanotechnology & Society Panel			
Track 5 - Session 4: 3:30 PM - 5:00 PM	Session Chair - John James Barnes Dr. Faruq Marikar - Moderator Ken Vest Carolyn L. McIntosh Eric Berger Dr. Kristen M. Kulinowski Panelist - TBA	Director Managing Partner Communications Director Environmental Lawyer Science Writer - SciGuy Executive Director - CBEN	SOLAS Associates Nanobiz, LLC Nat'l Nanotech. Coord. Of. Patton Boggs LLP Houston Chronicle Rice University
Business & Economic Development			
4:00 PM			
Cumberland E-F			
Track 1 - Session 2 4:00 PM - 5:00 PM	Session Chair - TBA Javad Foroughi <i>"How artificial muscles can be improved using polypyrrole"</i> Dr. Steffen Pilotek <i>"Chemomechanical Processing of Agglomerated Inorganic Nanoparticles"</i> Anthony S. Wagner <i>"A new Novel carbon nano material made into threads"</i>	Intelligent Polymer Research Institute (IPRI) Business Development Director - PARTEC CTO	University of Wollongong Buehler, Inc. Clean Technologies Int'l
Electronics & Materials			
Cumberland K			
Track 2 - Session 2 4:00 PM - 5:00 PM	Session Chair - Nancy Windham Dr. Peiyu Zhang <i>"Analysis of mechanical characterization on microneedles for fluid sampling and drug delivery"</i> Dr. Payodhar Padhi <i>"Synthesis of Mercury Sulfide Nano-powder for Biomedical Application"</i> Dr. Balaji Panchapakesan <i>"Understanding the Interactions of Light on Carbon Nanotubes: From Micro-Opto-Mech. Systems to Cancer Nanotechnology"</i>	VP Economic Development Researcher Professor & Dean (R&D) Associate Professor - Dept. of Mechanical Eng.	Frisco EDC University of Calgary Hi-Tech Med. College & H. University of Louisville
Biology & Medicine			
Cumberland G-H			
Track 3 - Session 2 4:00 PM - 5:00 PM	Session Chair - Dr. Charles Brumlik Raghu Das <i>"Innovative Thin-Film Photovoltaic Technologies: Markets & Forecasts"</i> Wanda Greaves - Holmes <i>"Emerging Nanotechnology: Evaluation of Potential Hazards to the Industrial Workforce"</i> Speaker - TBA	Partner CEO Researcher	Nanobiz, LLC IDTechEx Univ. of Central Florida
Energy & Environment			
Cumberland I-J Workforce Development Panel			
Track 5 - Session 2 4:00 PM - 5:00 PM	Session Chair - Kathleen D. Knight Dr. Donna J. Nelson - Moderator Jennifer Kalmbach Dr. Cornell Thomas Kent Andersen	Partner - Whitaker, Chalk, Swindle & Sawyer Assoc. Professor - Dept. of Chemistry & Biochemistry Global Engagement Manager VP of Institutional Diversity Industry Director	W. C. S. & S. University of Oklahoma agileTCP Oklahoma State University N. Texas Workforce Board
Business & Economic			

Development	Fred S. Patterson Carliss Hyde	President	Commercial. Fund. Coach Texas State Tech. College
5:00 PM Nobel Laureates Legends Cocktail Party & Networking - Landmark A			
6:30 PM Nobel Laureates Legends Program			
Landmark A 6:30 PM - 7:30 PM	MC - TBA Evening Address - Dan Vilenski Evening Address - TBA Accelerating Nanotechnology Commercialization Panel Dr. Jack Agee - Moderator Dr. Sharon Smith Josh Wolfe Dr. Jonathan D. Linton Panelist - TBA Panelist - TBA	Board Member Executive Director, CONTACT Program Director, Advanced Technology Co-Founder & Managing Partner Power Corporation Professor	Israeli NNI Rice University Lockheed Martin Corp. Lux Capital Management University of Ottawa
Friday, October 3, 2008			
			Business Hall Exhibits Open 9:30 AM
7:30 AM Networking Continental Breakfast - Landmark A			
8:15 AM Opening Session			
Landmark A 8:15 AM - 9:30 AM	MC - Dr. Mario I. Romero-Ortega WR - Dr. Ron Elsenbaumer Dr. Mauricio Terrones <i>"Defect Nanoengineering: From Basic Research to Applications and Products"</i>	Associate Professor - Dept. of Bioengineering Vice President - Research & Federal Relations Professor & Deputy Head, Adv. Materials Dept.	UT Arlington UT Arlington IPICYT
9:30 AM Networking Break - Exhibit Hall - Marsalis A			
10:30 AM			
Cumberland E-F Track 1 - Session 3: 10:30 AM - 12:30 PM	Session Chair - Dr. Faruq Marikar Dr. S. K. S. Parashar <i>"Glimpses of PZT Based Nanoferroelectrics"</i> Dr. Alan Rae <i>"Nanotechnologies in Oil and Gas Exploration and Production"</i> Dr. Shane C. Woody <i>"Self Sensing Assembly Tool Employing Standing Wave Technology"</i> Dr. Michael T. Postek <i>"Helium Ion Microscopy and its Potential for Semiconductor Process Measurements"</i> Dr. Yoshikazu Nakayama <i>"Intermolecular Sticking Properties of Carbon Nnanotubes"</i> Phil Bryson	Managing Partner Prof. & HOD Consultant, Epik Energy Sol. & VP, NanoDynamics Cofounder & Principal Investigator Chief, Prec. Eng. Div. & Nanomanuf. Prog. Mngr Professor - Department of Mechanical Engineering Chief Operating Officer	Nanobiz, LLC KONARK Inst. of Sci.&Tech. Epik Energy Solutions LLC InsituTec Inc. NIST Osaka University Xitronix Corporation
Electronics & Materials			

	Dr. Will Chism <i>"Polarization Modulation Photo-Reflectance: Metrology for Strained-Silicon and Ultra Shallow Junctions Technologies"</i>	Inventor	Xitronix Corporation
Cumberland K Track 2 - Session 3: 10:30 AM - 12:30 PM	Session Chair - Kent Andersen Dr. Alexander Star Dr. Eugene Seymour <i>"Use of a novel broad-spectrum nanoviricide in the treatment of viral diseases in humans and animals"</i> Andrew R. Pollock <i>"Affecting Prosthetics at the Nano Scale"</i> Dr. Louis C. Brousseau III <i>"Molecular Gating of Nanotransistors for Label-Free Real Time Biological Analysis"</i> James Simmons <i>"Optimization of Nanoparticle Purification and Concentration by Hollow Fiber Filtration"</i> Dr. Elishalom Yechiel <i>"Nano-Encapsulation Technology Overcomes Aesthetic Limitations of Food and Skincare Ingredients"</i>	Industry Director Assistant Professor - Department of Chemistry CEO Design Engineer-Biomedical CEO & President Central Region Manager President & Director of Research	North TX Workforce Board University of Pittsburgh NanoViricides, Inc. OrthoCare Innovations Quantum Logic Devices Spectrum Laboratories Elsom Research Co., Inc.
Cumberland G-H Track 3 - Session 3: 10:30 AM - 12:30 PM	NANO-SAFETY & Risk Management Panel Session Chair & Moderator Dr. Walt Trybula Dr. Robert Blaunstein Panelist - TBA Panelist - TBA Panelist - TBA Panelist - TBA	Director Nanomaterials Application Center President	Texas State University Nanotech Risk Manage.
Cumberland L Productive Nanosystems Special Session: 10:30 AM - 12:30 PM	Special Session: Productive Nanosystems Session Chair & Moderator Dr. John N. Randall <i>"A Path to Productive Nanosystems: Atomically Precise Manufacturing"</i> Dr. Alan Dalton Speaker - TBA Speaker - TBA	Vice President Lecturer	Zyvex Labs University of Surrey
Cumberland I-J Track 5 - Session 3: 10:30 AM - 12:30 PM	Session Chair - Patti D. Hill J. Andrew Braswell Michael Fritsch	CEO & Founder Director of Research President & COO	CameronWeeks Public Rel. iNano Capital Markets Confoe Inc.

Business & Economic Development	<i>"Shortening 'Time to Money' for Nanotechnology Facilities"</i>	Patrick Custer	Chairman	Venture Pacific Group
	<i>"China or Bust, Be There or Be Gone"</i>	R. Mike Lockerd	Executive Director	North Texas RCIC
		Stephen Turner	International Business Officer	KOTRA-Dallas
		Dr. Patricia W. Pool	Exec. Director - Center for Workplace Learning	Grayson County College
		Rear Admiral Bill Retz	President -Texoma Technical Council	Texoma Technical Council
	Tony Kaai	President - the Denison Development Alliance	Denison Develop. Alliance	
	<i>"Small Town – Big Start!"</i>			
12:30 PM	Luncheon & Networking			
Landmark A	MC - Dr. Walt Trybula	Director Nanomaterials Application Center	Texas State University	
12:30 PM - 2:00 PM	Dr. K. Eric Drexler	Chief Technical Advisor	Nanorex, Inc.	
2:00 PM	Networking Break - Exhibit Hall - Marsalis A			
Business Hall Exhibits Open Until 3:30 PM				
3:30 PM	Conference & Expo End			
See you at nanotxUSA'09: October 29 - 30, 2009				