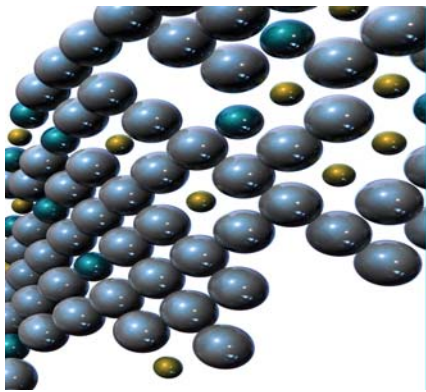


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NEW & RESTRUCTURED INAUGURAL PROGRAM  
FEATURING SPECIAL FOCUS ON CLEAN TECH

7TH ANNUAL

## Nano Applications & Advanced Materials Forum

February 5–6, 2008

Renaissance Esmeralda Resort & Spa  
at Indian Wells, Palm Springs, CA

### Leveraging Nanotech-Enabled Applications and Advanced Materials for Business and Investment Opportunities

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**February 5-6, 2008**

**Renaissance Esmeralda Resort & Spa at Indian Wells, Palm Springs, CA**

**Conference Summary:**

Seven years ago, the IBF Nanotech Forum pioneered bringing together investors, corporations, star researchers and business professionals to focus on commercialization, business and core investment opportunities. Over the years, IBF's Nanotech Forum has become renowned for its unsurpassed networking and relationship-building opportunities.

The 2008 forum continues the IBF tradition of excellence, and brings together the leaders who are building, leveraging, and financing the global economy's nanotech-enabled applications and advanced materials.

**Audience profile:** This conference unites venture capitalists, private equity investors, corporate investors, institutional investors, technology transfer experts, licensing executives, new business development executives, university, government and corporate research scientists, emerging growth nanotechnology companies, government funding agencies and corporations integrating nano-enabled technologies.

**Distinguished Sponsors:**

- Foley & Lardner
- NanoMEMS Edmonton
- Edmonton Economic Development Corporation
- Epic Ventures
- Woodcock Washburn
- AOS Solar

**Industrial Verticals:**

The content focus is on how nanotech and advanced materials are being leveraged as enabling technologies in five leading industry verticals:

\*Advanced Materials

\*Clean-Tech

\*Semiconductors

\*Life Sciences

\*Electronics

**Case Studies with Focus on Best Practices**

Verticals are organized in a case study format, providing a detailed and intensive study. Emphasis is on best practices, those business development methods that through experience have proven most likely to lead to successful results.

- Detailed, in-depth analysis by presenters
- Real-life, role-model examples of nano and advanced materials commercialization
- Emphasis on factors contributing to successes
- Experienced and knowledgeable presenters

**Conference Chair**

**Alexei Andreev, Ph.D.**

Managing Director  
Harris & Harris

**Board of Advisors**

**Alexei Andreev, Ph.D.**

Managing Director  
Harris & Harris

**Patrick Ennis, Ph.D.**

Managing Director  
ARCH Venture Partners

**Jennifer Fonstad**

Managing Director  
Draper Fisher Jurvetson

**Herb Goronkin, Ph.D.**

President  
Technology Acceleration Associates

**Steve Jurvertson**

Managing Director  
Draper Fisher Jurvetson

**William Miller**

Herbert Hoover Professor of Public and Private  
Management Emeritus at Stanford University  
Chairman and Founder, Nanostellar

**Program Planning Committee**

**Alexei Andreev, Ph.D.**

Managing Director  
Harris & Harris

**David Aslin**

Managing Director  
Aslin VC

**Pam Bailey**

Founder and CEO  
Tinytechjobs.com

**Phil Giesler, Ph.D.**

Director of Innovation,  
Physic Ventures

**Keith Gillard**

BASF Venture Capital America

**Tim Harper**

Founder  
Cientifica, Ltd

**Edward K. Moran**

Director of Product Innovation, Leader,  
Nanotech Industry Practice  
Deloitte Services LP

**Sean Murdock**

Executive Director  
Nano Business Alliance

**Robert Pavey**

General Partner  
Morgenthaler Ventures

**Robert Paull**

Co-Founder & Managing Partner  
Lux Capital

**Amy Corrine Smith**

Senior Vice President - Global Technology Group  
Lehman Brothers

**Alexander Wong, Ph.D.**

Head, Venture Capital  
D.E. Shaw & Co., L.P.

**Kim Nearing**

Managing Director  
Global Crown Capital

**Christopher Rowan**

President  
Arscientia, LLC

**Nick Sugimoto**

Principal  
Honda Strategic Venturing

**Bo Varga**

Managing Director  
Silicon Valley Nano Ventures

**Adriana Vela**

Founder and Executive Director  
NanoBioNexus



## CONFERENCE AGENDA

### TUESDAY, FEBRUARY 5, 2008

7:00–8:45 AM	<b>REGISTRATION AND CONTINENTAL BREAKFAST</b>
8:45–8:50	<p><b>WELCOME</b></p> <p>Alexandra Scott, President &amp; CEO, International Business Forum</p>
8:50–9:00	<p><b>OPENING REMARKS – CONFERENCE CHAIR</b></p> <p>Alexei Andreev, Ph.D., Managing Director, Harris &amp; Harris</p>
9:00–9:15	<p><b>UPDATE FROM THE NANOBUSINESS ALLIANCE</b></p> <p>Sean Murdock, Executive Director, NanoBusiness Alliance</p>
9:15–10:15	<p><b>CAPTURING THE VALUE OF NANOTECH-ENABLED APPLICATIONS AND ADVANCED MATERIALS</b></p> <p>The drive to secure financing, discover new applications, reach out to new development partners, and increase sales domestically and internationally will continue to increase in 2008. Based on successes and failures in 2007, a panel of experts from differing perspectives discusses core opportunities and challenges they foresee in 2008 for nanotechnology and advanced materials.</p> <p><b>Session Chair:</b> J. Steven Rutt, Esq., Ph.D., Partner, Foley &amp; Lardner</p> <p><b>Panelists:</b> Avinash Kant, Ph.D., Principal, Equity Research, Broadpoint Capital Inc.</p> <p>Chris Erickson, Partner, Pangaea Ventures Ltd.</p> <p>Martin Lagod, Managing Director and Co-Founder, Firelake Capital Management</p> <p>Jason Rottenberg, Managing Partner, MILCOM Venture Partners</p>
10:15–10:45	<b>NETWORKING &amp; REFRESHMENT BREAK</b>
10:45–11:30	<p><b>KEYNOTE: NANOTECH TEN YEARS ON: IMPLICATIONS FOR CORPORATE INVESTORS, VCS &amp; PRIVATE EQUITY INVESTORS</b></p> <p>Tim Harper, Founder, Cientifica, Ltd.</p>
11:30–12:15	<p><b>BEST PRACTICES IN PRINTABLE ELECTRONICS (case studies)</b></p> <p>Over the last several years, numbers of startup companies have announced their printable electronics initiatives. Venture capitalists have invested more than \$350M in the printable electronics area over the last three years and the US/EU government funding of printable electronics cumulatively exceeded \$659M in 2000-2006. Private companies are partnering with leading research centers and universities, all trying to cross the finish line first. Many of these efforts are still in stealth, but the winners of the race will be coming to the future billion dollar markets.</p> <p>Our growing understanding of nano-structured materials is opening doors to a new breed of devices unthinkable 10-15 years ago. Lightweight, flexible, disposable, they will deliver a superior price/performance ratio for consumers. Many of these devices will be printed via a biologically-inspired ambient processes and device integration. This panel exemplifies the best practices with a collection of panelists, some speaking publicly for the very first time.</p>

- Early stage assessment of nanoelectronics opportunity and its long-term commercial viability in the Electronics Vertical
- Success of early-stage entrepreneur(s) who have converted nanoscience and insights into a business in this vertical
- Early-stage investment
- Later-stage investment strategies
- Strategies in securing corporate partnerships

**Session Chair:**

**Alexei Andreev, Ph.D.**, Managing Director, Harris & Harris Group, Inc.

**Panelists:**

**Michael Knapp, Ph.D.**, CEO, Cambrios Technologies Corporation

**Ric Asselstine**, CEO, PackagingOne Corporation

**Kieran Drain, Ph.D.**, CEO, Nanogram Corp.

**12:15–1:30 COMBINED LUNCHEON WITH CORPORATE VENTURE CONFERENCE ATTENDEES**

**1:30–2:15**

**KEYNOTE: "SYNTHETIC BIOLOGY – Biology as Nanotech Muse"**

**Steve Jurvetson**, Managing Director, Draper Fisher and Jurvetson The fast path to nanotech futures will turn to biology for inspiration and solutions. From a growing collection of digital genomes, we are learning to decode and reprogram the information systems of biology. Like computer hackers, we can leverage a prior library of evolved code, assemblers and subsystems. Many of the early applications are in energy, chemicals and electronics. In this period of rapid learning, one of the major developmental challenges is the inherent dichotomy between purposeful design and evolutionary search.

Nanotech is the nexus of the sciences. The history of humanity is that we use our tools and our knowledge to build better tools and expand the bounds of our learning. Empowered by the digitization of the information systems of biology, the nanotech nexus is catalyzing an innovation Renaissance, a period of exponential growth in learning, where the power of biotech, infotech and nanotech compounds the advances in each formerly discrete domain. This should be a very exciting epoch, one that historians may look back on with no less portent than the Industrial revolution.

**2:15–3:15**

**BEST PRACTICES IN MEMS SEMICONDUCTORS – TECHNOLOGY AND APPLICATIONS (Case Studies)**

MEMS (Micro-Electrical-Mechanical Systems) technology has a strong track record of commercial success in semiconductor applications. Similar, yet larger in than nanotech, MEMS are widely used in everyday devices including inkjet printer heads, airbag accelerometers, DLP flat-screen TVs, cellular phones, and the Nintendo Wii. Approximately 2 billion MEMS chips were shipped in 2005 alone comprising a \$7 billion market opportunity annually. We will discuss how innovative start-ups and venture investors are using MEMS in a wealth of new applications that will further expand the market for this unique technology.

- Vertical markets where MEMS can be applied to solve unique business problems
- Technical pros/cons of MEMS relative to nanotechnology
- Key challenges in building and scaling MEMS start-ups
- Success of early-stage entrepreneurs(s) who have used MEMS
- Strategies for later-stage investment

**Session Chair:**

**Bart Schachter**, Managing Director, Blueprint Ventures

**Panelists:**

**Jim Jones**, Managing Director, Scale Venture Partners

**Russ Garcia**, President & CEO, WiSpry

**Tom Willey**, President & CEO, Discera

**J. Christopher Moran**, Vice-President, General Manager, Applied Ventures, LLC

3:15–3:45

**NETWORKING & REFRESHMENT BREAK**

3:45–5: 30

**CONCURRENT TRACKS**

**Track A (2:15 - 5:30 pm)**

**NANO CORPORATE PARTNERING AND CAPITAL ACCESS SHOWCASE**

The Nano Corporate Partnering and Capital Access Showcase features a series of 10-minute presentations from emerging growth companies that will be moderated and critiqued by a panel of experts from the corporate, investment and legal domains.

**Panelists:**

**Darrell Brookstein**, Managing Director, The Nanotech Company, LLC

**Phil Giesler**, Director of Innovation, Physic Ventures

**Cathy Owen**, President, CFO and Director, Nanopoint Inc.

**Sample of the confirmed presenting companies include:**

**Advanced Diamond Technologies (ADT)**

**Neil Kane**, CEO, Advanced Diamond Technologies (ADT)

**InterStellar Technologies Corporation**

**Fabrizio Pinto, Ph.D.**, President & CEO, InterStellar Technologies Corporation

**RF Nano Corporation**

**Steffen McKernan, Ph.D.**, Founder & CEO, RF Nano Corporation

**Lifco**

**Rachid Yazami, Ph.D.**, Founder and President, Lifco

**Track B – Session 1 (3:45 – 4:45 pm)**

**BEST PRACTICES IN ADVANCED MATERIALS (case studies)**

Much of the nanotechnology with promising commercialization potential stems from application-specific development in next generation specialty materials technology. The \$1b+ nanomaterials market is growing rapidly, expanding a wide spectrum of innovative products in biotech, semiconductors, cleantech and many other area. This session will examine advanced materials and highlight best practices in commercialization.

- Early stage advanced materials opportunity assessment
- Technical and market challenges
- Success of early-stage entrepreneurs who have converted material science breakthroughs into successful business models
- Funding strategies specific to advanced materials start-ups
- Strategies in securing corporate partnerships
- Licensing, IP and patent trends in Advanced Materials

**Session Chair:**

**Katie Szczepaniak Rice**, Associate, Nanotech/Cleantech Research, Epic Ventures

**Panelists:**

**Keith Gillard**, Principal, BASF Venture Capital America Inc.

**Naoki 'Nick' Sugimoto**, Principal, Honda Strategic Venturing

**Duncan W. McBranch, Ph.D.**, Deputy Principal Associate Director for Science, Technology, and Engineering, Los Alamos National Laboratory

**Dr. Richard H. Stulen**, VP and CTO Science, Technology and Research Foundations Sandia National Laboratories

**Neil Kane**, CEO, Advanced Diamond Technologies (ADT)

### **Track B – Session 2 (4:45 – 5:30 pm)**

#### **BEST PRACTICES IN THE LIFE SCIENCES (case studies)**

Future growth opportunities in the nanotechnology sector will lie in pharmaceutical and healthcare applications of nanotechnologies, according to a new report from Cientifica.

- Early stage nanobiotechnology opportunities
- Legal issues and regulation of nanobio products
- Success of early stage entrepreneurs(s) who have converted nanoscience and insights into a business in this vertical
- Early-stage investment
- Later-stage investment strategies
- Government funding's impact on commercialization
- Models for partnering with big pharma
- Investment strategies and models for corporations
- Measurement of a successful nano-therapeutic or nano-enabled diagnostic by big pharma

#### **Session Chair:**

**Jeffrey H. Rosedale Ph.D., J.D.**, Co-Chair, Nanotechnology Practice Group, Woodcock Washburn LLP

#### **Panelists:**

**Adriana Vela**, Founder and Chair, NanoBioNexus

**Michael Boyce-Jacino, Ph.D.**, President and CEO, BioNanomatrix

**Linda K. Molnar, Ph.D.**, Program Officer, NCI Alliance in Cancer Nanotechnology

**Bryant E. Fong**, Managing Director, Burrill & Company

**5:30–7:00 PM**

**COCKTAIL RECEPTION**

## **WEDNESDAY, FEBRUARY 6, 2008**

**7:30–9:00 AM**

**NETWORKING BREAKFAST**

**8:15–9:00**

**BREAKFAST ROUNDTABLE DISCUSSIONS**

- **Nanotech Clusters of Innovation:** Clusters foster high levels of innovation and provide members with special access to expert knowledge, closer relationships, better information, motivation and other incentives. The world's leading nanotech cluster leaders and members will discuss policy and practices for building nanotech clusters.
- **Patent Strategy:** Bruce Kisiuk, US Patent & Trademark Office; Steve Rutt, Foley and Lardner; Fritz Lahrtz, Isenbruck. Patent Strategy is crucial to any nanotech business strategy. The US Patent & Trademark Office's Nanotechnology Leader will provide input and answer questions on the US . European patent strategies will be reviewed by Munich-based Isenbruck, awarded Juve's 2006 "Law Firm of the Year for IP."
- **Tools, instruments, and software:** Tools and software enable the manipulation, modeling, simulation and manufacture processes necessary to transition nanotechnologies and advanced materials from research stage to commercial scale-up. Instruments such as AFMs, TEMs, etc. and production equipment for thin film and other manufacturing processes already have annual revenues in excess of \$1 billion. Tool vendors and software developers will meet with end- users to discuss current and future need and trends in this critically important arena.

#### **"Patent Trends in Clean Energy Technology"**

Todd Miller, Doug Pearson and Jim Peterson; Jones Day

Description: This roundtable intends to focus on who is patenting what in the clean energy arena, future patent prosecution hot technologies, the extent of any past litigation in the clean energy arena, and what we should expect to see in the future with regard to litigation.

<b>9:00</b>	<p><b>DAY TWO OPENING REMARKS – CONFERENCE CHAIR</b></p> <p><b>Alexei Andreev, Ph.D.</b>, Managing Director, Harris &amp; Harris</p>
<b>9:00–9:30</b>	<p><b>KEYNOTE PRESENTATION:</b> <b>"CONTROVERSIAL &amp; CONTRARIAN: ONE VCS VIEW"</b></p> <p><b>Josh Wolfe</b>, Lux Capital, Co-Founder and Managing Partner</p>
<b>9:30–10:00</b>	<p><b>THE STATE OF CLEAN-TECH INVESTMENT:</b> <b>A GUIDE FOR THE NANO BUSINESS COMMUNITY</b></p> <p><b>Ira Ehrenpreis</b>, General Partner, Technology Partners</p>
<b>10:00–10:30</b>	<b>NETWORKING &amp; REFRESHMENT BREAK</b>
<b>10:30–11:15</b>	<p><b>CLEAN-TECH: THE IMPLICATIONS AND INVESTMENT OPPORTUNITIES FOR NANOTECH AND ADVANCED MATERIALS</b></p> <p><b>Ron Pernick</b>, Co-Founder and Principal, Clean Edge</p>
<b>11:15–12:30</b>	<p><b>BEST PRACTICES AND GROWTH OPPORTUNITIES NANOTECH AND ADVANCED MATERIALS ENABLING CLEAN ENERGY (case studies)</b> Featuring a Case Study Analysis of the Verticals that encompasses Nanotech-Enabled Technologies for Clean Energy, Sustainability and Climate Change</p> <ul style="list-style-type: none"> <li>• Nanotech and the production of new energy sources or the better use of existing energy resources</li> <li>• Early-stage assessment of nanotech-enabled clean energy opportunity and its commercial viability</li> <li>• Licensing and Intellectual Property topics and trends</li> <li>• Success of early-stage entrepreneurs(s) who have converted nanoscience and insights into a business in this vertical</li> <li>• Early-stage investment and getting past the hype</li> <li>• Later-stage investment strategies</li> <li>• Big Energy, i.e., oil and energy, etc., investment strategies and models</li> <li>• Success in nanotech-enabled energy products</li> </ul> <p><b>Session Chairs:</b> <b>James W. Peterson, Esq.</b>, Partner, Jones Day</p> <p><b>T. Christopher Tsang, Ph.D.</b> Counsel, Jones Day</p> <p><b>Panelists:</b> <b>Robert Pavey</b>, General Partner, Morganthaler Ventures</p> <p><b>Jay Kipper</b>, Director – Advanced Energy Consortium, UTAustin (Consortium members include BP America Inc., ConocoPhillips, Marathon Oil, Occidental, Shell, Schlumberger Technology and Halliburton Energy Services)</p> <p><b>Amy Corinne Smith</b>, Senior Vice President - Global Technology Group, Lehman Brothers</p> <p><b>Anikara Rangappan</b>, Founder and CEO, AOSSolar</p> <p><b>Dr. Bulent Yavuz</b>, Vice President for Sales and Marketing, Nanostellar</p> <p><b>Chad Petterson</b>, Vice President, NanoHoldings LLC</p>
<b>12:30–2:00</b>	<b>COMBINED LUNCHEON WITH CLEAN-TECH INVESTOR SUMMIT CONFERENCE ATTENDEES (Note: Clean Tech Investors Conference begins Feb 6 at luncheon and continues through Feb 7.)</b>
<b>2:00 PM</b>	<b>NANOTECH CONFERENCE ADJOURNS</b>