



COMS2010 Technical Program

29 Aug - 02 Sep 2010
Hyatt Tamaya Resort & Spa
Santa Ana Pueblo, New Mexico - USA

View speaker Bios
Speakers

Time	Event	Speakers	Company
Sunday 29 Aug 2010			
1000 - 2200	Exhibitor Setup Location: Exhibitor information will be available at exhibitor assistance desk		
1200 - 1800	Conference Registration Location: Registration Desk		
900 - 1300	Pre-Conference Workshop - Hosted by Coventor Location: Eagle Register on-line	Design for MEMS Manufacturing Part A Benjamin Blackwell	Coventor
1200 - 1300	Lunch Break Location: Conference Foyer & Patio		
1300 - 1700	Pre-Conference Workshop - Hosted by C2V Location: Invitation Only	Executives Commercialization Workshop Job Elders	C2V/Fisher Scientific
1300 - 1700	Pre-Conference Workshop - Hosted by Coventor Location: Register on-line	Design for MEMS Manufacturing Part B Mary Ann Maher	SoftMems

1300 - 1700	Pre-Conference Workshop - Hosted by MANCEF Location: Invitation Only	Southwest Nano Consortium Working Meeting Scott Bryant Jim Mason	Nano Network of New Mexico Oklahoma Nano Initiative
1300 - 1700	Pre-Conference Workshop - Hosted by Peacock & Meyers Location:	Strategic Intellectual Property Management Register on-line	
1300-1600	Pre-conference Workshop - Hosted by NNNM & MANCEF Location: Invitation Only	New Mexico State Legislators Orientation to Small Tech-Led Economic Development Senator Steve Fichmann	US Senate - NM State
1900 - 2230	Conference Cocktail Reception Location: Tamaya Pool Reception Host: Sandia National Labs	Welcome to COMS2010 Cocktail Reception Volker Saile - MANCEF Al Romig Other	Sandia National Labs
2230	Casino		

Monday 30 Aug 2010			
0700 - 1700	Registration Location: Registration Desk	Host of the Day	
0800 - 0830	Welcome to COMS2010 and New Mexico Location: Grand Ballroom A & B	Kees Eijkel - MANCEF Steve Walsh - MANCEF	UNM
		U.S. Senator Jeff Bingaman (Invited)	U.S. Senate - State of New Mexico
		N.M. Senator Steve Fischmann	N.M. Senate
0830 - 1000	Monday Plenary Location: Grand Ballroom A & B	Chair: Scott Bryant	UNM
		Doug Smith	NanoPore
		John Warner (Invited)	Warner Babcock
		Mostafa Analoui	The Livingston Group
1000 - 1030	Coffee Break Location: Conference Foyer		
1030 - 1230	Monday A MNT & Clean Tech Solutions	Chair: John Warner (Invited)	
		John Finley	MemPro Ceramics Corporation
		Clive Davenport	CSIRO Future Manufacturing Flagship
		George Chase	University of Akron
		Kristin Alford	Bridge8 Pty Ltd
1030 - 1230	Monday B Hi-Tech Business Methods & Strategies	Chair: Bob Mehalso	Microtec Associates
		Jeff Mills	Fanelli Strain & Haag PLLC
		Job Elders	Fischer ThermoScientific
		Robert Bennett	Technesium TC
		Vinvcnt Mangematin	Grenoble Ecole de Management

Invited Roundtable Panelists

Doug Jamison

Harris and Harris

Mostaf Analoui

Livingston Securities

Steve Walsh

University of New Mexico

Martijn Enter

SEM Ventures

1030 - 1230	Monday C	Chair: Steve Walsh	University of New Mexico
	MicroFluidics	Henne van Heeren	enablingMNT
		Jeb H. Flemming	Life BioScience
		Michelle Khine	University of California Irvine
		Leanna Levine	Aline Inc.
		Holger Becker (Invited)	ChipShop GmbH
1030 -1230	Monday D	Chair: Daniel Herr	Semiconductor Research Corp
	Convergence	Esteve Juanola-Feliu	Univ of Barcelona
		Mike Nelson	Nanoink
		Bob Hwang (Invited)	CINT/SNL
12:30 - 13:30	Lunch		
1330 - 1530	Monday E	Chair: Jim Mason	Oklahoma Nano Initiative
	Governments Leveraging MNT as an Economic Development Tool	Wes Jurey	Arlington Chamber of Commerce
		Peter Josef Jeuk (Invited)	MicroTec Sudwest Cluster
		Stein Hanson	MicroTech Innovation
		Keith Ritala	Washington Technology Center
		Tom Bowles	State of New Mexico
1330 - 1530	Monday F	Chair: Louis Ortiz	Ortiz & Lopez LLP
	IP Strategies for MNT	Matthew Lambrinos	FAI Patents
		Deborah Peacock	Peacock & Myers LLP

Kermit Lopez

Ortiz & Lopez LLP

Jason DeMont

Demont & Breyer

Jeff Mills

Fanelli Strain & Haag PLLC

TBD (Invited)

Jackson Walker LLP

1330 - 1530	Monday G Equipment and Processes	Chair: Volker Saile	
		Christian Wögerer	Profactor Research and Solutions GmbH
		Dirk Ortloff	Process-Relations GmbH
		Leslie Derrig	Digital Matrix Corp
		Shari Farrens	Suss MicroTec
		Eric Pabo	EV Group
1330 - 1530	Monday H Global Overview of Small Technology	Chair: Augusto de Albuquerque	European Commission
		Vincent Mangematin	Grenoble Ecole de Management
		Anna Kalvarskaya	St-Petersburg State University
		Sergio Bampi (Invited)	Federal University of Rio Grande do Sul
		Inderpreet Thukral	IBM
		Robert Haak	Insight InterAsia Pte Ltd
	Clive Davenport	CSIRO Future Manufacturing Flagship	
1530 - 1600	Coffee Break Location:		
1600 - 1800	Monday I Nano and Metals, Minerals, & Materials	Chairs: Anne Chaka and Jesús González Hernández	NIST & CIMAV
		Phil Jones	Imerys Minerals
		World Nieh	USDA Forest Service
		Trevor Keel	World Gold Council
1600 - 1800	Monday J Foundries I	Chair: Janusz Bryzek	LV Sensors
		Matthias Kaut	Karlsruhe Institute of Technology
		John Foster	IMT

		Wilbur Catabay	SVTC
		Peter Werbeneth	Tegal
1600 - 1800	Monday K	Chair: Mike Acosta	University of Texas El Paso
	Bi-National MNT Opportunities	Soll Sussman	Texas General Land Office
		Roberto Carlos Ambrosio Lazaro	Universidad Autónoma de Ciudad Juarez
1600 - 1800	Monday L	Chair: Jonathan Linton	Search Technology, Inc.
	Business Intelligence I	Alan Porter	Grenoble Ecole de Management.
		Valérie Sabatier	Welsh School of Architecture
		Nazrul Islam	Massachusetts Institute of Technology
		Minna Allarakhia	
1900	Dinner	Anders Hedberg	Anders Hedberg and Associates

Tuesday 31 August 2010		
0800 - 1230	Conference Registration Location: Registration Area	
0745 - 0800	Daily Announcements Location: Grand Ballroom A & B	Host of the Day
0800 - 0930	Tuesday Plenary Location: Grand Ballroom A & B	Chair: Robert Mehalso MANCEF
	TBD	
	Gil Herrera	Sandia National Labs
	Yogesh B. Gianchandani, Ph.D.	University of Michigan
0930 - 1000	Coffee Break Location: Conference Foyer & Patio	
1000 - 1200	TuesdayA Nanomedicine: Science, Policy, and Investment Panel	Chair: Mostafa Analoui The Livingston Group
	Thomas Schlupe	Calando Pharma
	Wendy Sanhai	Food & Drug Administration
	Piotr Grodzinski	NIH/National Cancer Institute
	Doug Jamison	Harris and Harris
	Joe Wang	University of California San Diego
	TBD	EMEA
	TBD	Arrowhead
	TBD	NanoDimension from Zurich
	Chad Mirkin (Invited)	Northwestern University

1000 - 1200

TuesdayB

Sensors and Sensor Systems

Chair: Gilbert Herrera

Sandia National Labs

Don Milligan

Hewlett Packard

Donald J. Hayes

MicroFab Technologies, Inc.

Per Ohlcker

Vestfold University College

Luis Moreno-Hagelsieb

Université Catholique de Louvain

Jose Mireles

Universidad Autónoma de Ciudad Juarez

1000 - 1200

TuesdayC

Industry, Government, and Academic
Collaboration Models II

Chair: David Tolfree

Technopreneur

Erol Harvey

MiniFab

Rens Vandeberg

NanoNed

Stein Ivar Hansen

Microtech Innovation

1000-1200	Tuesday D Micro and Nanotechnology in Mexico	Chair: Guillermo Fernandez de la Garza	United States-Mexico Foundation for Science
		Luis Niño de Rivera	Instituto Politécnico Nacional
		Ricardo Benavides	Servicios Industriales Penoles Corp
		Victor M. Castaño Meneses	Centro de Física Aplicada de Tecnología Avanzada -UNAM
		Eduardo Ruiz-Esparza Flores (Invited)	IDZ Corp.
		Jesús González Hernández	Centro de Investigación en Materiales Avanzados
		Horatio Estrada	Centro Nacional de Metrología
		Chair: Jennifer Fonstad (Invited)	Draper Fisher Jurvetson
		TBD	University of Iowa
		Tim Zenk (Invited)	Sapphire Energy
Thomas Baruch (Invited)	CMEA/Codexis		
Jacob Berman	Incitor		
Joe Ortiz	Sustainable Resources Inc.		
Terry Brunner	USDA/NM		
1000 - 1200	Tuesday F Business Intelligence II	Chair: Aard Groen	University of Twente
		Tiago Ratinho	University of Twente
		Corine Genet	Grenoble Ecole de Management
		Eric Jolivet	University of Toulouse
		Giorgia M. D'Allura	University of Catania

		Valérie Sabatier	Grenoble Ecole de Management
1000 - 1200	Tuesday G	Chair: David Stein	Sandia National Labs
	Testing		
		Dr. Thomas H. Di Stefano	Centipede Systems
		Mary Ann Maher	SoftMEMS
		Hugh Miller	Solid US Tech
1000 - 1100	Tuesday H	Chair: Sue Neuen	Science@OC
	MNT Educational Products & Services		
	Hour 1		
		Ian Harvey	University of Utah
		Robert Ehrmann	Pennsylvania State University
		Mike Nelson	Nanoink
		Tim Dallas	Texas Tech University
		James L. Hyder	Southwest Center for Microsystems Education
1100 - 1200	MNT Workforce Development		
	Hour 2		
		Dirk Ortloff	Process-Relations GmbH
		Ed Spivak	NM Optics Association
		Donna Kidwell	Grenoble Ecole de Management
		Matthias Pleil	Southwest Center for Microsystems Education
		Jason Weigold	MEMStaff
1230 - 1800	Golf Tournament	Meet at Golf Clubhouse at 1230	

Location: Hyatt Twin Warriors Golf Course Visit www.mancef.org/COMS or at Registration Desk

1200 - 1800 Afternoon activities on your own For more information on local activities, please refer to ???
Mid-Conference Strategic Initiatives Meeting -
1300 - 1600 Hosted by MANCEF Bi-National Sustainability Working Meeting

1930 - 2230 Equipment Vendors Reception

Location: Grand Ballroom/Tamaya Veranda

Guest Speaker

Wednesday 01 September 2010			
0800 - 1700	Registration Location: Registration Area		
0745 - 0800	Daily Announcements Location: Grand Ballroom A & B		
0800 - 0930	Wednesday Plenary Location: Grand Ballroom A & B	Chair: Bob Warrington	MANCEF
		Hao Li	Motorola
		John Rogers	Univiersity of Illinois: Champagne/Urbana
		Mike Postek	NIST
0930 - 1000	Coffee Break Location: Conference Foyer & Patio		
1000 - 1200	Wednesday A Investment in MNT	Chair: Sul Kassicieh	University of new Mexico
		JC Eloy	Yole Developpment
		Bob Mehalso	Microtec Associates
		Brian Birk	Sun Mountain Capital
		John Chavez	New Mexico Angels
		Tom Stephenson	Stephenson & Associates
1000 - 1200	Wednesday B 3-D measurement Metrology	Chair: Richard Leach	National Physical Laboratory
		Alicona - Stephan Scherer	Alicona
		Ernst Treffers	Xpress
		Yasuhiro Takaya	Osaka University
		Ulrich Neuschaefer-Rube	PTB
		Panelist: Herbert Bennett	National Institute of Standards and Technology (NIST)

Panelist: Mike Postek
Panelist: Ron Lawes

MiniFAB

1000 - 1200

Wednesday C

Global MNT Workforce Challenges

Roundtable Facilitator: Anson Hedberg

Anson Hedberg & Associates

Stein Ivar Hansen - Norway

Volker Sale - Germany

Guillermo Fernandez - Mexico

Erol Harvey - Australia

Regan Stinnett - USA

Sue Neuen - USA

Robert Giasolli - USA

Sergio Bampi - Brazil

1000 -1200	Wednesday D MNT & Harsh environment Mass Spectrometry	Chair: James Wylde	1st Detect Corp
1000 -1200	Wednesday E Packaging	Chair: Subhash Shinde	Sandia National Labs
		Christian Arrington	Sandia National Labs
		Ton van Weelden	Boshman
		André Rouzaud	CEA Léti
		Ted Tessier	Flipchip International
		Jonathan Coleman	Sandia National Labs
1200 - 1330	Lunch	Patrick Keating	Yole Developpment
1330 - 1530	Wednesday F MNT & Emerging Applications	Chair: Bob Warrington	Michigan Tech University
		Daniel Hyman	XCOM Wireless, Inc.
		Guido Verbeck	University of North Texas
		Arthur Chait	EoPlex Technologies, Inc.
		Per Ohlcker	Vestfold University College
		TBD	Intex, Inc
1330 - 1530	Wednesday G Packaging and System Design	Chair: Benjamin Blackwell	Coventor
		Sandeep Akkaraju	Intellisense
		Dave Cook	Coventor
		Mary Ann Maher	Softmems
1330 - 1530	Wednesday H Printable Nano Electronics	Chair: Robert Reuss	Government Consultant
		Jim Stasiak	Hewlett-Packard Company

		Erik Forsythe	US Army
		Marc Chason	Marc Chason & Associates
		Michelle Khine	University of California - Irvine
1330 - 1530	Wednesday I Cost Modeling/Tear down	Chair: Ron Lawes	MiniFAB
		Scotten W. Jones	IC Knowledge LLC
		Harry Stephanou	The University of Texas at Arlington
		Michel Allain	SystemPlus
		S J Dixon-Warren	ChipWorks
1530 - 1600	Coffee Break Location: Conference Foyer & Patio		
1600 - 1800	Wednesday J Foundries II	Chair: Janusz Bryzek	LV Sensors
		Edvard Kälvesten	Silex Microsystems AB
		David Buckley	Micralyne
		Roy H. Olsson III, Ph.D.	Sandia National Laboratories
		Peter Merz	MEMS Foundry Itzehoe GmbH
		Roundtable Discussion	

1600 - 1800	Wednesday K MicroNanoManufacturing Workshop - ID Needs for Standards & Roadmapping	Co-Chairs: Michael Gaitan & Anne Chaka	National Institute for Standards & Technology
		Mike Gaitan	NIST
		Anne Chaka	NIST
		Richard Leach	NPL
		Jesús González Hernández	CIMAV
		Panelist: Herbert Bennett	National Institute of Standards and Technology (NIST)
		Panelist: Ron Lawes	MiniFAB
1600 - 1800	Wednesday L MNT and Alternative Energy - Batteries & Storage	Chair: TBD	Li-Tek GmbH (Invited)
		Binod Kumar	University of Dayton Research Institute
		Tom Picraux	Center for Integrated Nanotechnology/LANL
		YC Lee	University of Colorado - Boulder
		Marcie Black	Bandgap Engineering
1600 - 1800	Wednesday M Business Intelligence III	Chair: Vincent Mangematin	Grenoble Ecole de Management
		Gita Surie	Adelphi University
		Ken Colwell	University of Miami
		Ariane von Raesfeld	University of Twente
		Rainer Harms	University of Twente

Corine Genet

GRENOBLE ECOLE DE MANAGEMENT

1600 - 1800 Wednesday N
MNT & Federal Organizations as
Commercialization Partners

Chair: Kelly Carnes (Invited)

TechVision21

Invited Organizations
Air Force Research Lab
Argonne National Lab
Ctr for Integrated Nanotechnologies
Dept of Homeland Security
Los Alamos National Lab

National Institute of Standards and Technology
Sandia National Labs
US Dept of Agriculture
US Dept of Forestry

1900 - 2200 Conference Awards Dinner
Location: Hyatt Tamaya Cottonwood
Pavillion

Thursday 02 September 2010			
0800 - 1200	Registration Location: Registration Area		
0830 - 1000	Thursday Plenary Location: Grand Ballroom A & B	<p>Chair: Robert Giasolli</p> <p>Michael Grätzel (Invited)</p> <p>Jon Rambeau</p> <p>Thomas Cellucci</p>	<p>MANCEF</p> <p>Ecole Polytechnique Fédérale de Lausanne</p> <p>Lockheed Martin</p> <p>Department of Homeland Security</p>
1000 - 1030	Coffee Break Location:		
1030 - 1230	Thursday A MNT, Aerospace & Unmanned Systems	<p>Chair: James Grimsley</p> <p>Brent Segal</p> <p>Suraj Rawal</p> <p>Per Ohlcker</p> <p>Dr. Jamey Jacob</p> <p>Andrew Sarangan</p> <p>Don Comfort</p>	<p>Design Intelligence Incorporated</p> <p>Lockheed Martin</p> <p>Lockheed Martin</p> <p>Vestfold University College</p> <p>Oklahoma State University</p> <p>University of Dayton Research Institute</p> <p>University of Dayton Research Institute</p>
1030 - 1230	Thursday B HARMST/LIGA I - Commercialization Status	<p>Chair: Doug Elerath</p> <p>Charles H. Robinson</p> <p>Joachim Schulz</p> <p>Royal Hinthner</p> <p>Dr. Jost Goettert</p> <p>Cha-Mei Tang</p> <p>Dawn Tarpley</p>	<p>Oakmont Consulting</p> <p>US Army - ARDEC Fuse Division</p> <p>Microworks GmbH</p> <p>The Canadian Light Source</p> <p>Louisiana State University</p> <p>Creatv MicroTech, Inc</p> <p>Defiant Technologies</p>

1030 - 1230	Thursday C Printed Nano Electronics II	Chair: Robert Reuss	Reuss Consulting
		Nicolei Colaneri	Arizona State University
		Ric Asselstine	Terepac Corp.
		Alexander Nesterov-Mueller	Karlsruhe Institute of Technology
1030 - 1230	Thursday D Packaging	Chair: Janusz Bryzek	
		Terry Davis	Amkor
		Leland Spangler	Aspen Technologies
		Dan Baldwin	Engent
		John Hunt	ASE
1030 - 1230	Thursday E Green/Clean Innovation in Cities & Tech Parks	Chair: Carrie Freeman	Intel
		Bob Swain (Invited)	Robert Edson Swain Architecture & Design
		Henry Leon	CreateTech Village
		Jaime Parada (Invited)	Tecnologico de Monterrey
		Mike Daley	Forest City Enterprises
		Miriam Luizink (Invited)	Kennispark Twente/MESA+

1230 - 1330	Lunch		
		Seamus Curran	University of Houston
1330 - 1530	Thursday E	Chair: Volker Saile	Karlsruhe Institute for Technology
	HARMST/LIGA II - Technology Status		
		Chai Mei Tang	Creatv Microtech
		Volker Saile	Karlsruhe Institute of Technology (KIT)
		Dr. Jost Goettert	Louisiana State University
		Dr Varshni Singh	Louisiana State University
		Donald Johnson	DJ DevCorp
1330 - 1530	Thursday F	Chair: Brent Segal (Invited)	Lockheed Martin
	MNT for Security & Defense		
		James Tuttle	Microtection
		Narendra Lakamraju	Arizona State University
		Ronald Manginell	Sandia National Labs
		Srinivas Tadigadapa	Pennsylvania State University
		Jorge Seminario	Texas A&M University
		Gary Resnick (Invited)	Los Alamos National Lab
1330 - 1530	Thursday G	Chair: Vikas DaBeer	Applied Materials
	MNT Alternative Energy - Solar	Panel Moderator: Art Leitner	ALNS
		Jeff Nelson	Sandia National Labs
		Steve Goodnick	Arizona State University
		Greg Nielson	Sandia National Labs
		Andrew Hollowell	Sandia National Labs
		Marcie Black	Bandgap Engineering

1330 - 1530	Thursday H Bio & Nano Tech Commercialization in New Mexico	Chair: Chuck Call	ICX Technologies
		Spencer Farr, Ph.D.	Vista Therapeutics, Inc.
		John Elling, Ph.D.	Mesa Biotech, Inc
		Wayne Bryden, Ph.D.	ICx Technologies, Inc.
		Jeffrey Brinker (Invited)	Protocell LLC
		Edward Flynn (Invited)	Manhattan Scientifics
		Jeb H. Flemming	Life BioScience
1530 - 1600	Close of Conference: Location: Grand Ballrooms A & B	Steve Walsh Scott Bryant	MANCEF MANCEF
1200 - 1900	Exhibitor Take Down		