

Conference-At-A-Glance

All TechConnect sessions take place in the TechConnect Marketplace in the Expo Hall unless otherwise noted.

	 Fabrication, Characterization & Tools	 Advanced Materials	 Electronics & Microsystems	 Medical & Biotech	 Energy & Environment	 Business & Strategy	
Monday, May 4							Monday, May 4
8:00	Keynotes: Nanotech & Cleantech & TechConnect, <i>General Assembly Theater</i> • <i>Dan Arvizu - Director, National Renewable Energy Laboratory (NREL), U.S. Department of Energy - The Nanotech Revolution in Renewable Energy</i> • <i>Thomas Kalil, Office of Science and Technology Policy, The White House, US</i> • <i>Ray O. Johnson - CTO, Lockheed Martin - Innovation for a Secure Future</i> • <i>Robert J. Kumpf - CAO, Bayer Material Science - The Next Big Thing is Really Small</i>						8:00
10:00	Coffee Break sponsored by Springer, <i>Main Foyer</i>					<i>IP Track Sponsored by Foley & Lardner LLP</i>	10:00
10:30	Nanoscale Characterization, <i>361AD, p.65</i>	NanoFab: CNT Deposition & Assembly, <i>370CF, p.66</i>	Nanoelectronics: Nanophotonics, <i>370AD, p.66</i>	Bio Nano Materials - 1, <i>351AD, p.65</i>	EHS: Nano Toxicology Studies, <i>351CF, p.65</i>	Nanotechnology: Global Review, <i>340AB, p.67</i>	10:30
	NanoFab: Fundamentals - self assembly, synthesis, and patterning, <i>370BE, p.66</i>	Coatings & Surfaces: Hydrophobic/Hydrophylic, <i>360AD, p.65</i>	MEMS & Wireless: Environment & Society Applications, <i>371AD, p.66</i>	EHS - Nano Toxicology Studies, <i>351CF, p.65</i>	Solar: Advanced Photoaics - 1, <i>310CF, p.67</i>	TechConnect: IP Track - IP Licensing Strategies & Transactions, <i>350DE, p.53</i>	
	NanoFab: CNT Deposition & Assembly, <i>370CF, p.66</i>	Nanocomposites, <i>360CF, p.65</i>	MEMS: InkJet Architectures, <i>371BE, p.66</i>	Phage Nanotechnology, <i>351BE, p.66</i>	Water: Market Opportunities, <i>310AD, p.67</i>		
		NanoFab: Fundamentals - Assembly, synthesis & patterning, <i>370BE, p.66</i>	NanoFab: Fundamentals - Assembly, synthesis & patterning, <i>370BE, p.66</i>		Energy Storage - 1: Lockheed Martin Symposium, <i>330AB, p.67</i>		
		Nanoparticles Synthesis & Applications, <i>360BE, p.65</i>	Solar: Advanced Photovoltaics - 1, <i>310CF, p.67</i>				
		EHS: Nano Toxicology Studies, <i>351CF, p.65</i>					
		Bio Nano Materials - 1, <i>351AD, p.65</i>					
12:00	LUNCH (on own)						12:00
1:00	CNT: Composite Design, Characterization & Modeling: Lockheed Martin Symposium, <i>370CF, p.68</i>	CNT: Composite Design, Characterization & Modeling: Lockheed Martin Symposium, <i>370C, p.68</i>					1:00
1:30	Nanoscale Characterization: Biomedical Applications, <i>361AD, p.68</i>	Coatings & Surfaces: Hydrophobic/Hydrophylic <i>360AD, p.68</i>	Nanoelectronics: Research & Applications - 1, <i>370AD, p.69</i>	Nanoscale Characterization: Biomedical Applications, <i>361AD, p.686</i>	Solar: Advanced Photovoltaics - 2, <i>310CF, p.70</i>	TechConnect: IP Track - Navigating the IP waters: practice and possibilities in the EU & the US, <i>350DE, p.53</i>	1:30
	NanoFab: SPL METHODS - Bottom up assembly, <i>370BE, p.69</i>	Bio Nano Materials - 2, <i>351AD, p.68</i>	NanoFab: SPL METHODS - Bottom up assembly, <i>370BE, p.69</i>	Bio Nano Materials - 2, <i>351AD, p.68</i>		CTSI Special Symposium - Commercial Cleantech Innovation, <i>340AB, p.71</i>	
	Biosensors & Diagnostics, <i>362AD, p.70</i>	Nanoparticles - Dry Synthesis, <i>360BE, p.68</i>	MEMS: InkJet Drop Formation, <i>371BE, p.69</i>	EHS: Workplace Practices, <i>351CF, p.68</i>	Water: Applications, <i>310AD, p.70</i>		
	Polymer Nanotech: Computational Methods, Simulation & Software Tools, <i>361BE, p.69</i>	Nanocomposites: Electrical Properties, <i>360CF, p.68</i>	MEMS & Wireless: Increasing Human Safety, <i>371AD, p.69</i>	Phage Nanotechnology, <i>351BE, p.69</i>	CTSI Special Symposium - Commercial Cleantech Innovation, <i>340AB, p.71</i>		
		EHS - Workplace Practices, <i>351CF, p.68</i>	Solar: Advanced Photovoltaics - 2, <i>310CF, p.70</i>	Biosensors & Diagnostics, <i>362AD, p.70</i>			
		Polymer Nanotech: Computational Methods, Simulation & Software Tools, <i>361BE, p.69</i>		Nano Medicine: Detection, Targeting, Delivery, <i>361CF, p.70</i>			
		NanoFab: SPL METHODS - Bottom up assembly, <i>370BE, p.69</i>					
		MEMS: InkJet Drop Formation, <i>371BE, p.69</i>					
3:00	Coffee Break sponsored by Springer, <i>Main Foyer</i>						3:00
3:00						TechConnect: License Your Portfolio, <i>350DE, p.53</i>	3:00
3:30		CNT: Synthesis, Separation & Application: Lockheed Martin Symposium, <i>370CF, p.72</i>			CTSI Special Symposium - Commercial Cleantech Innovation, <i>340AB, p.74</i>	CTSI Special Symposium - Commercial Cleantech Innovation, <i>340AB, p.71</i>	3:30
4:00	Nanoscale Characterization: Prox probe session, <i>361AD, p.72</i>	Bio Nano Materials - 3, <i>351AD, p.71</i>	NanoFab: Instrumentation Showcase - 1, <i>370BE, p.72</i>	Bio Nano Materials - 3, <i>351AD, p.71</i>	EHS - Nano Toxicology Studies, <i>351CF, p.72</i>	TechConnect: Funding Track - Consortium Funding, <i>330AB, p.53</i>	4:00
	NanoFab: Tools and Instrumentation Showcase - 1, <i>370BE, p.72</i>	Nanoparticles: Applications, <i>360BE, p.71</i>	MEMS: InkJet Applications, <i>371BE, p.72</i>	EHS: Nano Toxicology Studies, <i>351CF, p.72</i>	Solar: Silicon, Thin Film, & III-V PV Cells & Modules, <i>310CF, p.73</i>	TechConnect: Early Stage Funding in Lean Times, <i>370AD, (TBA)</i>	
	Nanocomposites and Nanowires: Computational Methods, Simulation & Software Tools, <i>360CF, p.71</i>	Nanocomposites and Nanowires: Computational Methods, Simulation & Software Tools, <i>360CF, p.71</i>	MEMS & Wireless: Power, <i>371AD, p.73</i>	Phage Nanotechnology, <i>351BE, p.73</i>	Water: Industrial Treatment Applications, <i>310AD, p.74</i>		
4:00		EHS: Nano Toxicology Studies, <i>351CF, p.72</i>	Biosensors & Diagnostics, <i>362AD, p.73</i>	Biosensors & Diagnostics, <i>362AD, p.73</i>			4:00
		Nanoscale Characterization: Prox probe session, <i>361AD, p.72</i>	Solar: Silicon, Thin Film, & III-V PV Cells & Modules, <i>310CF, p.73</i>				
		Polymer Nanotech: Nanostructured Surfaces: Patterning of Functional Polymers, <i>361BE, p.72</i>					
		NanoFab: Instrumentation Showcase - 1, <i>370BE, p.72</i>					
		MEMS: InkJet Applications, <i>371BE, p.72</i>					
5:00					CTSI Special Symposium - Executives Roundtable Discussion, <i>340AB, p.74</i>	CTSI Special Symposium - Executives Roundtable Discussion, <i>340AB, p.74</i>	5:00
6:00	Welcome Reception - TechConnect World: Nanotech, Cleantech, TechConnect: Sponsored by Jackson Walker, <i>Main Foyer</i>						6:00

	 Fabrication, Characterization & Tools	 Advanced Materials	 Electronics & Microsystems	 Medical & Biotech	 Energy & Environment	 Business & Strategy	
Tuesday, May 5							Tuesday, May 5
8:00	Keynotes: Nanotech & Cleantech & TechConnect, <i>General Assembly Theater</i> • Jeff Moseley, <i>Greater Houston Partnership, President & CEO, US - Welcome TechConnect World to Houston</i> • Paul Dickerson, <i>HaynesBoone, former COO Office of Energy Efficiency & Renewable Energy, DOE, US - Can Uncle Sam Cure What Ails Clean Tech?</i> • William H. White, <i>City of Houston, Mayor, US - Welcome to Houston</i> • Larry Kellner, <i>Continental Airlines, CEO, US - Flying into the Future: Continental's Commitment to the Environment</i> • Anatoly Borisovich Chubais, <i>Russian Corporation of Nanotechnologies, Director General, RU - RUSNANO: Driving the Nanotech Industry Growth</i>						8:00
8:30			WCM: Bulk MOS Models, <i>342AD, p.75</i>				8:30
10:00	Coffee Break, Sponsored by Springer	Expo Hall Opens (10:00 - 6:00)	Poster Set-up Expo Hall	TechConnect Marketplace - Expo Hall: Coffee Break Sponsored by Italian Trade Commission			10:00
10:00			Research in Germany Workshop, <i>362E</i>				10:00
10:30	Nanoscale Characterization: Inverse space - Light/X-ray based, <i>361AD, p.75</i>	Polymer Nanotech: Synthesis and Applications of Nanostructured Materials I, <i>361BE, p.75</i>	Nanoelectronics: Research & Applications - 2, <i>370AD, p.76</i>	Biosensors & Diagnostics, <i>351BE, p.76</i>	Nanotech for Oil & Gas, <i>340AB, p.77</i>	TechConnect Partnering Talks: BASF, BP, Genzyme, Medtronic, GlaxoSmithKline, Merck, Applied Materials, Lockheed Martin, <i>Room A & B, p.54</i>	10:30
	NanoFab: Alternative Top-down Fabrication Modes, <i>370BE, p.76</i>	Nanoscale Characterization: Inverse space - Light / X-ray based, <i>361AD, p.75</i>	NanoFab: Alternative Top-down Fabrication Modes, <i>370BE, p.76</i>	Bio Energy: Novel Technologies & Projects, <i>310BE, p.77</i>	Bio Energy: Novel Technologies & Projects, <i>310BE, p.77</i>		
	Biosensors & Diagnostics, <i>351BE, p.76</i>	Nanoparticle: Company Showcase, <i>360BE, p.75</i>	MEMS & NEMS: Sensors & Systems, <i>371AD, p.76</i>	Nanotech for Cancer, <i>351AD, p.77</i>	Solar: Technology to Business Review, <i>310CF, p.77</i>		
		NanoFab: Alternative Top-down Fabrication Modes, <i>370BE, p.76</i>	Biosensors & Diagnostics, <i>351BE, p.76</i>		Energy Storage Technology, <i>330AB, p.77</i>		
		Nanotech for Cancer Prevention, Diagnosis and Treatment, <i>351AD, p.77</i>	Solar: Technology to Business Review, <i>310CF, p.77</i>				
		Nanotech for Oil & Gas, <i>340AB, p.77</i>	WCM: Bulk/SOI Models, <i>342AD, p.76</i>				
11:00	MEMS: Computational Methods, Simulation & Software Tools, <i>371BE</i>	Coatings, Surfaces and Interfaces: Electrical and Optical Applications, <i>360AD, p.75</i>	Coatings, Surfaces and Interfaces: Electrical and Optical Applications, <i>360AD, p.75</i>	Nanotech for Neurology, <i>351CF</i>	Water: Treatment & Distribution, <i>310AD, p.77</i>		11:00
		Carbon Nano Structures: Growth, <i>370CF, p.75</i>	MEMS: Computational Methods, Simulation & Software Tools, <i>371BE, p.76</i>				
12:00	Lunch (Available for purchase in Expo Hall)						12:00
1:00			Solar: High Efficiency PV - 1: Lockheed Martin Symposium, <i>310CF, p.81</i>		Solar: High Efficiency PV - 1: Lockheed Martin Symposium, <i>310CF, p.81</i>		1:00
1:30	NanoFab: Integration & Nanodevices, <i>370BE, p.79</i>	Nanostructured Materials - Nanowires, <i>360AD, p.78</i>	NanoFab: Integration & Nanodevices, <i>370BE, p.79</i>	EHS: Policy, Regulation & Product Safety, <i>360CF, p.79</i>	EHS: Policy, Regulation & Product Safety, <i>360CF, p.79</i>	EHS: Policy, Regulation & Product Safety, <i>360CF, p.79</i>	1:30
	Nanoscale Materials Characterization: CNT, <i>361AD, p.78</i>	Nanoparticle Release During the Life Cycle of Nanomaterials & Nanocomposites, <i>360BE, p.78</i>	Nanoelectronics: Beyond-CMOS Nanoelectronics, <i>370AD, p.79</i>	Drug Delivery, <i>351CF, p.80</i>	Nanotech & Cleantech for Oil & Gas, <i>370CF, p.80</i>	TechConnect IP: Advanced Materials, <i>Room A, p.54</i>	
	Surfaces and Interfaces: Computational Methods, Simulation & Software Tools, <i>361CF, p.79</i>	Polymer Nanotech: Creation and Application of Nanostructured Materials II, <i>361BE, p.79</i>	MEMS & NEMS: Novel Materials, Processes & Devices, <i>371AD, p.79</i>	Biosensors & Diagnostics, <i>351BE, p.80</i>	Bio Energy - Novel Technologies & Projects, <i>310BE, p.80</i>	TechConnect IP: Biotech & Medical, <i>Room B, p.54</i>	
		Nanoscale Materials Characterization: CNT, <i>361AD, p.79</i>	Biosensors & Diagnostics, <i>351BE, p.80</i>	Biology, Cancer & Nanotech Texas Symposium, <i>351AD, p.80</i>	Water: Technologies & Wastewater, <i>310AD, p.81</i>	TechConnect IP: Electronics & Microsystems, <i>Room Cv55</i>	
		Surfaces and Interfaces: Computational Methods, Simulation & Software Tools, <i>361CF, p.79</i>	WCM: Multi-gate/nanowire/nanocube models, <i>342AD, p.80</i>	Bio Energy - Novel Technologies & Projects, <i>310BE, p.80</i>	Energy Storage Technology, <i>330AB, p.81</i>	TechConnect IP: Energy & Efficiency, <i>Room D, p.55</i>	
		TechConnect IP: Advanced Materials, <i>Room A, p.54</i>	TechConnect IP: Electronics & Microsystems, <i>Room C, p.55</i>	TechConnect IP: Biotech & Medical, <i>Room B, p.54</i>	TechConnect IP: Energy & Efficiency, <i>Room D, p.55</i>		
		EHS: Policy, Regulation & Product Safety, <i>360CF, p.79</i>					
3:00		TechConnect IP: Advanced Materials, <i>Room A, p.56</i>	TechConnect IP: Sensors & Microsystems, <i>Room C, p.56</i>	TechConnect IP: Biotech & Medical, <i>Room B, p.56</i>	TechConnect IP: Water & Remediation, <i>Room D, p.56</i>	TechConnect IP: Advanced Materials, <i>Room A, p.56</i>	3:00
					Bio Energy - Company Showcase, <i>Expo Theater, p.83</i>	TechConnect IP: Biotech & Medical, <i>Room B, p.56</i>	
					Energy Storage - 2: Lockheed Martin Symposium, <i>330AB, p.83</i>	TechConnect IP: Sensors & Microsystems, <i>Room C, p.56</i>	
3:30		Nanotech & Cleantech for Oil & Gas, <i>370CF, p.83</i>	WCM: Double-gate models, <i>342AD, p.82</i>		Nanotech & Cleantech for Oil & Gas, <i>370CF, p.83</i>		3:30
4:00	Poster Session A - Expo Hall, Reception hosted by Opportunity Houston (4:00 - 6:00)						4:00
4:00					Solar: High-Tech for Solar, <i>310CF, p.83</i>	Solar: Semiconductor for Solar, <i>310CF, p.83</i>	4:00
4:30		<i>TechConnect Ventures: Advanced Materials, Room A, p.57</i>	<i>Solar: Case Studies & Company Profiles, Expo Theater, p.93</i>	TechConnect Ventures: Biotech & Medical, <i>Roomr C, p.57</i>	Solar: Case Studies & Company Profiles, <i>Expo Theater, p.93</i>	TechConnect Ventures: Advanced Materials, <i>Room A, p.57</i> TechConnect Ventures: Biotech & Medical, <i>Room C, p.58</i>	4:30
					TechConnect Ventures: Energy & Efficiency, <i>Room B, p.58</i>	TechConnect Ventures: Energy & Efficiency, <i>Room B, p.57</i>	
5:00	Nano World Headquarters Reception, serving Saint Arnold Brewing Company, Texas' Oldest Craft Brewery - 5:00 pm, Booth 905						5:00
6:00	Lockheed Martin Networking & Showcase Reception (Invitation Required)			Expo Close - 6:00	TechConnect Networking Reception, <i>Expo Hall-Session Rooms-TechConnect</i>		6:00

	 Fabrication, Characterization & Tools	 Advanced Materials	 Electronics & Microsystems	 Medical & Biotech	 Energy & Environment	 Business & Strategy	
Wednesday, May 6							Wednesday, May 6
8:00	Keynotes, General Assembly Theater: R. James Woolsey, VantagePoint Venture Partners - Energy in the 21st Century: Muir, Patton, and Gandhi						8:00
8:30	Keynote Panel, The Future of Energy, General Assembly Theater: Patti Glaza CTSI Moderator - Doyle Beneby, Exelon, President, Exelon Power, US - John Baker Jr., Austin Energy, CSO, US			- Curtis R. Frasier, Shell, VP Americas, US - Matt Simmons, Chairman, Simmons & Company, US - Jeff Renaud, Director, GE Ecomagination, US			8:30
8:30			WCM: Bulk MOS Models, 342 AD, p. 96				
10:00	Coffee Break, Expo Hall, Poster Set-up				TechConnect Marketplace - Expo Hall: Coffee Break Sponsored by Italian Trade Commission		10:00
10:30	Nanoscale Characterization: Spectroscopy, 361AD, p.96	Nanostructured Coatings Applications - 1, 360AD, p.96	NanoFab: DPN Applications, 370BE, p.97	Nanotech for Cancer, 351BCEF, p.97	Solar: Integration & Case Studies, 310CF, p.98		10:30
	Computational Methods, Simulation & Software Tools: Electronic Materials, 360CF, p.97	Nanoparticles in Soft Materials: Colloids - 1, 360BE, p.96	Micro & Nano Fluidics: Transport, 351AD, p.97	TechConnect IP: Biotech & Medical, Room B, p.60	Energy Storage: Fuel Cells, 310AD, p.98	TechConnect IP: Advanced Materials, Room A, p.59	
	NanoFab: DPN Applications, 370BE, p.97	Polymer Nanotech: POSS/Polymer Composites, 361BE, p.96	WCM: Statistical/variation/numerical models, 342AD, p.97		TechConnect IP: Energy & Efficiency, Room D, p.61	TechConnect IP: Biotech & Medical, Room B, p.60	
		Carbon Nano Structures: High performance materials, 370CF, p.97	TechConnect IP: Sensors & Microsystems, Room C, p.60			TechConnect IP: Sensors & Microsystems, Room C, p.60	
		TechConnect IP: Advanced Materials, Room A, p.59				TechConnect IP: Energy & Efficiency, Room D, p.61	
		Green Chemistry, 350DE, p.98					
12:00	Lunch (Available for purchase in Expo Hall)						12:00
1:00						TechConnect Partnering Talks: Lockheed Martin, Eastman Kodak, Philips, Samsung, Dow Chemical, Omron, Sanyo, Room A & B, p.61	1:00
1:30	Poster Session B - Expo Hall (1:30 - 3:30)		Expo Close - 4:00				1:30
1:30			WCM: RF/noise/capacitance models, 342AD, p.96	Nanotech for Cancer, Room 351BCEF, p.99		How Emerging-tech Capital Markets are Weathering the Downturn, 330AB, p.99	1:30
2:30					Solar: Case Studies & Company Profiles, Expo Theater, p.100	Solar: Case Studies & Company Profiles, Expo Theater, p.100	2:30
3:00	Nanoscale Characterization: Vendor Showcase, 361AD	TechConnect Venture: Advanced Materials, 310AD, p.61	Solar: High Efficiency PV - 2: Lockheed Martin Symposium, 330AB	TechConnect Venture: Biotech & Medical, 310BE, p.62	Solar: High Efficiency PV - 2: Lockheed Martin Symposium, 330AB, p.108	TechConnect Venture: Advanced Materials, 310AD, p.61	3:00
					Smart Grid: Lockheed Martin Symposium, 340AB, p.108	TechConnect Venture: Biotech & Medical, 310BE, p.62	
					TechConnect Venture: Water, Environment & Efficiency, 310CF, p.62	TechConnect Venture: Water, Environment & Efficiency, 310CF, p.62	
3:30		Nanostructured Coatings Applications -2, 360AD, p109	MEMS & NEMS: Molecular & Gas Sensors, 371AD, p.110	Nano Bio Materials & Tissues, 351AD, p.110	Hydrogen - Storage and Technology, 320BE, p.110		3:30
	NanoFab: Tools and Instrumentation Showcase - 2, 370BE, p.109	Nanoparticles in Soft Materials: Colloids - 2, 360BE, p.109	Nanoelectronics: The need for international standards, 370AD, p.109	Nanotech for Cancer Prevention, Diagnosis and Treatment, 351BCEF, p.110			
		Carbon Nano Structures: Growth, Functionalization and Nanocomposites, 370CF, p.109	NanoFab: Tools and Instrumentation Showcase - 2, 370BE, p.109				
		Nanostructured Materials & Devices, 360CF, p.109	Micro & Nano Fluidics - Applications, 351AD, p.110				
		Nano Bio Materials & Tissues, 351AD, p.110	WCM: Parameter extraction/circuit design, 342AD, p.110				
		Green Chemistry, 361BE, p.111					
5:00			TechConnect Venture: Sensors & Systems, 310AD, p.63	TechConnect IP: Pharma & Drugs, 310BE, p.63	TechConnect Venture: Solar, 310CF, p.64	TechConnect Venture: Sensors & Systems, 310AD, p.63	5:00
						TechConnect IP: Pharma & Drugs, 310BE, p.63	
						TechConnect Venture: Solar, 310CF, p.64	
6:00	NSTI & CTSI Networking Reception, Main Foyer						6:00
Thursday, May 7							Thursday, May 7
8:30	Computational Methods, Simulation & Software Tools: Micro and Nano Fluidics, 370BE, p.112	Carbon Nano Structures: Properties and Applications, 370AD, p.112		Nano Bio Materials & Tissues: Cell Supports and Scaffolds, 351AD, p.112		Nanotech Business & Education Initiatives, 360CF, p.112	8:30
		Nano Bio Materials & Tissues: Cell Supports and Scaffolds, 351AD, p.112		Cancer Nanotechnology: Clinical Translation Panel, 351BE, p.112			
		Nanoparticles - Wet Synthesis, 360BE, p.112					
		Nanostructured Materials and Devices, 360AD, p.112					
10:00	Coffe Break, Main Foyer						10:00
10:30	Nanoscale Characterization: Vendor Showcase, 360AD, p.113	Nanoparticles: Wet Synthesis, 360BE, p.112		Nano Bio Materials & Tissues, 351AD, p.113			10:30
	Micro & Nano Fluidics: Simulation, 370BE, p.113	Micro & Nano Fluidics: Simulation, 370BE, p.113					
		Nano Bio Materials & Tissues, 351AD, p.113					