



FENA Year 4 Annual Review

LUXE Hotel, Los Angeles, 29th and 30th of January, 2008

DAY ONE – 29th January 2008 (Room: Luxe Sunset I)

8:00 am	Breakfast & Registration
8:30 am	Opening from Vijay Dhir (Dean, UCLA Henry Samueli School of Eng. & App. Sci.)
8:40 am	Welcome from Betsy Weitzman (MARCO)
8:50 am	Intro from DARPA
9:00 am	“FENA Overview” Where we have been, where we are and where we are going - Kang Wang (UCLA)
9:30 am	“Molecular Building Blocks” From Molecules to Switches to Function – Fraser Stoddart (Northwestern)
10:10 am	Morning Break
10:30 am	“Carbon Electronics” a) Wafer Scale CNT Fabrics, Devices Circuits and Architectures - C.Zhou (USC) b) Graphite to Graphene Synthesis and nanodevices - P.Kim (Columbia)
11:30 am	Emerging Memory Devices a) Next Generation FLASH memory – Jianlin Liu (UCR)
12:00 pm	Lunch
1:15 pm	“Modelling and Simulation” a) Simulation and optimization for nanomaterials and nanodevices - Russel Caflisch (UCLA)
1:40pm	“Nanopatterning” a) Controlled Patterning using DNA assembly and DiBlock Co-polymers for patterning– Mihri Ozkan (UCR)
2:15 pm	“Nanoarchitectures for information processing beyond Scaled CMOS a) Translating concept to material to logic, to circuit, and to information processing”- Rick Kiehl (UC Davis)
2:45 pm	Key FENA Scientific Breakthrough “Top 10 Science Discovery of 2007” a) Quantum Spin Hall Effect and Devices – SC Zhang (Stanford)
3:05 -3:10 pm	Final Questions and Wrap UP
3:05 – 3:15pm	Ginny Wiggins, SRC Student Relations
3:15 pm - 5:00pm	Student Posters – Students to be by their posters
5:00-6:00pm	Reception - “Meet the Sponsoring Organizations” (4.30-5.30: <i>Advisory Board Members Meeting – Bel Air Room</i>)
6:00 pm	Dinner and Poster Prizes

DAY TWO – 30th January 2008

8:00 - 8:30 am	Breakfast (Room – Luxe Sunset II & III)
8:30 - 10:00 am	<u>Working Meetings</u> Nano Materials (Theme 1): Room – Luxe Sunset IV Nano Structures (Theme 2): Room – Luxe Sunset I Nano Devices (Theme 4): Room – Brentwood Room Nano Architectures (Theme 5): Room – Bel Air Room (Theme 3 PIs to attend linked theme meetings) Sponsor (Industry/Government) Caucus: Luxe Sunset Rooms II & III
10:00 – 10:30 am	Break (Coffee, Tea and Refreshments)
10:30 a.m. – 11:30 am	Feedback - Discussions - Questions (Room – Luxe Sunset II & III)
11:30 a.m.– 12:30 pm	Light Lunch