

Agenda
Fundamental Properties and Advanced Models ETG
September 17-18, 2009
San Antonio, Texas

Thursday, September 17, 2009

08:00 – 08:15	Welcome, Introductions, Approval of Minutes	ETG Chairs
08:15 – 09:15	Simplified Fatigue with Continuum Damage Theory	Weaver
09:15 – 10:00	Modeling Compaction	Koneru
10:00 – 10:30	BREAK	
10:30 – 10:45	US/International Cooperative Efforts on Multiscale Modeling	Scarpas

Multiscale Models and Tests: How will they contribute to the ARC final deliverables?

10:45 – 11:30	Molecular Simulations of Bitumen	Greenfield
11:30 – 12:15	Determination of structure-property relationships in bitumen at the molecular level	Schmets
12:15 – 13:30	LUNCH	
13:30 – 14:15	Microscale Physicochemical Characteristics of Asphalt Binders	Pauli
14:15 – 15:00	Physicochemical Characteristics of Micro Mechanical Healing Model	Bhasin
15:00 – 15:30	BREAK	
15:30 – 16:15	Micro Mechanical Modeling of Asphalt Mixes	Wang
16:15 – 17:00	Cohesive Zone Model	Yong-Rak Kim
17:00	Adjourn Day 1	

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08:00 – 08:45	Micro Mechanical Moisture Damage Model	Bhasin
08:45 – 09:30	Discrete Element Simulation of AC Uniaxial Creep	Papagiannakis
09:30 – 10:00	Micro-Macro Texture Characteristics of Asphalt Mixes	Bahia
10:00 – 10:30	BREAK	
10:30 – 11:15	ARC Deliverables <ul style="list-style-type: none">▪ Software status▪ Calibration/validation status▪ How is the effort being documented?	Little
11:15 – 11:30	Other ETG Business	Chairs
11:30am	Adjourn	