

# ITSC 2010 Technical Program

## Sunday 19 - September - 2010

Location	Buzio I	Buzio II	Cipreia I	Cipreia II	Nautilus I	Nautilus II	Nautilus III	Estrela do Mar
9.00-10.30	W-3: Artificial Transportation Systems and Simulation (ATSS'2010)	W-2: Traffic Behavior, Modeling and Optimization	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #f08080; border: 1px solid black;"></span> - Profile A: ITS Modeling</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #add8e6; border: 1px solid black;"></span> - Profile C: Intelligent Vehicles</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90ee90; border: 1px solid black;"></span> - Special Sessions</li> </ul>		W-1: Emergent Cooperative Technologies in Intelligent Transportation Systems			
10.30-11.00	Coffee Break							
11.00-12.30	W-3: Artificial Transportation Systems and Simulation (ATSS'2010)	W-2: Traffic Behavior, Modeling and Optimization	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ffff00; border: 1px solid black;"></span> - Profile B: Traffic and Management</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #808080; border: 1px solid black;"></span> - Profile D: Electric Vehicle</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ffff00; border: 1px solid black;"></span> - Workshop / Plenary</li> </ul>		W-1: Emergent Cooperative Technologies in Intelligent Transportation Systems			
12.30-14.00	Break (Lunch not provided)							
14.00-15.30	W-3: Artificial Transportation Systems and Simulation (ATSS'2010)	W-2: Traffic Behavior, Modeling and Optimization			W-1: Emergent Cooperative Technologies in Intelligent Transportation Systems			
15.30-16.00	Coffee Break							
16.00-17.30	W-3: Artificial Transportation Systems and Simulation (ATSS'2010)	W-2: Traffic Behavior, Modeling and Optimization			W-1: Emergent Cooperative Technologies in Intelligent Transportation Systems			
18.30-19.30	Welcome Reception / Cocktail (Salão Oceano and Jardim de Inverno, 5º floor)							

## Monday 20 - September - 2010

Location	Buzio I	Buzio II	Cipreia I	Cipreia II	Nautilus I	Nautilus II	Nautilus III	Estrela do Mar	
8.00-8.45	Welcome Desk / Registration (Foyer Conchas)								
8.45-9.15						Opening Ceremony			
9.15-10.00					Plenary 1 - Parallel Control and Management for Intelligent Transportation Systems: Theory, Methods, and Applications Prof. Fei-Yue Wang				
10.00-10.45					Plenary 2 - Harnessing Charging Power: The Communication Issues of Electric Vehicle Charging Infrastructure from a Standardization Point of View Prof. Peter Van den Bossche				
10.45-11.20	Coffee Break								
11.20-13.00	MA1 Traffic Simulation, Estimation, and Control Using Cell-Based Models	MA2 Traffic Emissions: Modeling, Sensing, Evaluation, and Management 1	MA3 Traffic Control	MA4 Imaging and Image Analysis 1	MA5 Public Transport Operation and Personalized Public Transit 1	MA6 Advanced Vehicle Safety Systems 1	MA7 Cooperative Vehicles - Operational Results	MA8 Active Traffic Management 1	
13.00-14.00	Lunch (Atlântico Restaurant)								
14.00-16.00	MB1 Recent Advances in Road Traffic Control	MB2 Intelligent Traffic Management for Railway and Fleets	MB3 Data Mining, Data Fusion, and Statistical Modeling 1	MB4 Driver Assistance Systems 1	MB5 Electric Vehicle Technology	MB6 Cooperative Intersection Safety - Intersection Safety Forum	MB7 Traffic and Mobility Management for Rare Events and Emergencies	MB8 Variable Speed Limits for Freeway Management and Control	
16.00-16.20	Coffee Break								
16.20-18.00	MC1 Reinforcement Learning for Traffic Management and Control	MC2 Traffic Modeling and Model Calibration	MC3 Optimization and Control: Theory and Modeling 1	MC4 Driver Assistance Systems 2	MC5 Automated Vehicle Operation	MC6 Coordinated/Integrated Road Traffic Control	MC7 Traffic Data Challenges	MC8 Exploiting ITS for Urban Mobility	

## Tuesday 21 - September - 2010

Location	Buzio I	Buzio II	Cipreia I	Cipreia II	Nautilus I	Nautilus II	Nautilus III	Estrela do Mar	
9.00-9.45					Plenary 3 - A New Extreme Challenge for Autonomous Vehicles Prof. Alberto Broggi				
9.45-10.30					Panel Discussion				
10.30-11.00	Coffee Break								
11.00-12.20	TA1 Traffic Flow Models under the Microscope	TA2 Study of Human Factors in ITS	TA3 Agent-Based Methods for Traffic Modeling and Analysis	TA4 Determining Roadway Capacity	TA5 Multi-Sensor Fusion	TA6 Vehicle Detection	TA7 Computational Intelligence in ITS	TA8 Advances in Traffic State Estimation and Prediction 1	
12.20-13.30	Lunch (Atlântico Restaurant)								
13.30-15.30	TB1 Intelligent, Energy-Efficient, and Green Infrastructure	TB2 Travel Information and Guidance	TB3 Simulation and Modeling 1	TB4 Communications in ITS	TB5 Imaging and Image Analysis 2	TB6 Robotics Technologies for Intelligent Autonomous Vehicles	TB7 Active Traffic Management 2	TB8 Advances in Traffic State Estimation and Prediction 2	
15.30-16.00	Coffee Break								
16.00-18.00	TC1 Traffic Emissions: Modeling, Sensing, Evaluation and Management 2	TC2 Data Mining, Data Fusion, and Statistical Modeling 2	TC3 Simulation and Modeling 2	TC4 Lane Detection and Lane Keeping	TC5 Imaging and Image Analysis 3	TC6 Driver Assistance System and HMI	TC7 Ramp Metering	TC8 Advances in Positioning and Map-Matching and Applications	
19.00-21.00	Conference Dinner (Swimming Pool Balcony - Madeira Tivoli Hotel)								

## Wednesday 22 - September - 2010

Location	Buzio I	Buzio II	Cipreia I	Cipreia II	Nautilus I	Nautilus II	Nautilus III	Estrela do Mar	
9.00-10.40	WA1 Traffic State Prediction and Estimation	WA2 Optimization and Control: Theory and Modeling 2	WA3 Simulation and Modeling 3	WA4 Driver Behavior under ITS	WA5 Localization	WA6 Environment Perception	WA7 Cooperative Techniques and Systems	WA8 Demand Management, Statistical Modeling, and Traveller Services	
10.40-11.00	Coffee Break								
11.00-12.20	WB1 Travel Time Estimation and Prediction	WB2 Public Transport Operation and Personalized Public Transit 2	WB3 Traffic Theory for ITS	WB4 Collision Prediction and Avoidance	WB5 Imaging and Image Analysis 4			WB8 Advanced Vehicle Safety Systems 2	
12.20-12.45						Closing Session			
13.00-14.00	Lunch (Atlântico Restaurant)								