DAY 1 (JUNE-02)

	CONFERENCE OPENING SESSION			
0.00	Welcome Address	Dres Zellweger - General Chair		
8:00		•		
	Opening Keynote	Peter Hotham - SESAR JU		
8:45	Opening Keynote	Jozef Rohacs - Budapest University of Technology & Economics		
9:00	KEYNOTE TALK 1: Marc Baumgartner - IFATCA			
10:00		COFFEE BREAK		
I	Safety and Security I (Chair: John Shortle - GMU)	II Environmental and Weather (Chair: Mark Weber - MIT)	III	Prospective Studies and Economics (Chair: Lorenzo Castelli - Tries
	Bloem & Blom - Bayesian Analysis of Accident Rate, Trend and	Krozel, Mitchell, Pääkkö, Polishchuk - Throughput/Complexity Tradeoffs	_	Lu, Finger - What Kind of Aviation Infrastructure Privatization is Needed
10:30	Uncertainty in Commercial Aviation	for Routing Traffic in the Presence of Dynamic Weather		China
44.00	Netjasov, Vidosavljevic, Tosic, Everdij, Blom - Stochastically and	Kushta, Solomos, Kallos - Contibution of European Aviation on the Air		Ryerson, Hansen - Capturing the Impact of Fuel Price on Jet Aircraft
11:00	Dynamically Coloured Petri Net Model of ACAS Operations	Quality of the Mediterranean Region: A Modeling Study	_	Operating Costs with Engineering and Econometric Models
11:30	Vogel, Thiel, Fricke - A Quantitative Safety Assessment Tool based on Aircraft Actual Navigation Performance	Hansen, Buxi - Generating Day-of-Operation Probabilistic Capacity Profiles from Weather Forecasts		Violin, Labbé, Castelli - En Route Charges for ANSP Revenue Maximizat
12:00	Aircraft Actual Navigation Performance	LUNCH		
	Safety and Security II (Chair: Henk Blom - NLR)	II Advanced Modeling I (Chair: John Lygeros - ETH Zurich)	III	CNS/ATM I (Chair: Hartmut Fricke - TU Dresden)
1:30	Scholte, Blom, Pasquini - Study of Safety Validation Needs and Approaches Implied by SESAR	Eckstein - Data Driven Modeling for the Simulation of Converging Runway Operations		Kageyama, Fukuda - An Analysis of Delays in Air Transport in Japan
	Thiel, Fricke - Collision Risk on Final Approach - a Radar Data Based	Gariel, Salaün, Feron - Tracking Failures in the Air Traffic System: A		Medina, Sherry - Analysis of "Tarmac Delays" at Philadelphia Airport
	Evaluation Method to Assess Safety	Model Based on Physical and Functional Decompositions		
2:00	Zhang, Shortle - Comparison of Arrival Tracks at Different Airports	• • • • • • • • • • • • • • • • • • •	_	T. II. D. I. I. D. I. D. I. I. D. I. I.
2:30	Znang, Shortie - Comparison of Arrival Tracks at Different Airports	Fangqin, Minghua - Game Equilibrium Analysis on an Auctioning Method for Airport Congesting Resource Allocation		Tastambekova , Puechmorela, Delahayea, Rabut - Trajectory Prediction Functional Regression in Sobolev Space
2.50	Benedetto, Di Matteo, D'Innocenzo - Stochastic Validation of ATM	Vakili, Ball - Fair Slot Allocation of Airspace Resources Based on Dual	-	Dougui, Delahaye, Mongeau - A New Method for Generating Optimal
3:00	Procedures by Abstraction Algorithms	Values for Slots		Conflict Free 4D Trajectory
3:30	,	TEA BREAK		,
	Decision Support Tools (Chairs: J. Schroeder - NASA & M.A. Piera (UAB)	II Advanced Modeling II (Chair: Daniel Delahaye - ENAC)	III	CNS/ATM II (Chair: Sakae Nagaoka, U Tokyo)
•	Lymperopoulos, Chaloulos, Lygeros - An Advanced Particle Filtering	Zhang, Chauhan , Chen - Modeling and Predicting Taxi Times		Ganji, Lovell, Ball - Resource Allocation in Flow-Constrained Areas with
	Algorithm for Improving Conflict Detection in Air Traffic Control	Ending, Gradient, Chem. Flodeling and Fredering Fax. Filles		Stochastic Termination Times And Deterministic Movement
4:00				
	Popescu, Augris, Feigh - A Stochastic Model for Air Traffic Control	Zúñiga, Piera, Ruiz - A TMA 4DT CD/CR Causal Model Based in Path		Corolli, Castelli, Lulli - The Air Traffic Flow Management Problem with
4:30	Radio Channel Utilization	Shortening/Path Stretching Technique		Windows
	Kotegawa, Fry, Puchaty, DeLaurentis - Impact of US Airline Network	Vidal, Rakas - Impact of Lightning Strikes on National Airspace System		Rumler, Günther, Fricke. Weißhaar - Flight Profile Variations due to the
	Topology on Air Transportation Efficiency	(NAS) Outages: A Statistical Approach		Spreading Practice of Cost Index Based Flight Planning
	Zhang, Nayak, Diana - Estimation and Comparison of the Impact of	Henriques - Ontology and Rules for International Airspace Security		Glover, Ball - Stochastic Integer Programming Models for Ground Dela
	Single Airport Delay to the National Airspace System using Multivariate Simultaneous Models			Programs with Weather Uncertainty
6:30	Simultaneous Models	Free Night		
		rree Night		

Thu. DAY 2 (JUNE-03)
6:30 SK RACE (to be detailed at the conference)

:30	KEYNOTE TALK 2: Leo Prusak - Eastern District Manager/LaGuardi	Air Traffic Manager EAA		
:30	RETHOTE TALK 2. Leo Flusak - Lasterii District Planager/Laguardi	COFFFE BREAK		
.50 I	Future Concepts and Innovative Ideas I (Chair: M. Bourgois - ECTRL)	II Advanced Modeling III (Chair: Nicolas Durand - DSNA)	III	CNS/ATM III (Chair: Peter Hecker - TU Br)
:00	Yousefi, Zadeh, Tafazzoli - Dynamic Allocation and Benefit Assessment of NextGen Flow Corridors	Nikoleris, Hansen - Queueing Models for Operations in NextGen		Krupanský , Neužil, Gelnarová, Svoboda, Mejzlík, Herodes - Enhanced Wind Magnitude and Bearing Prediction - Onboard Algorithm
	Churchill, Lovell, Ball - Coordinating Multiple Traffic Management	Harback, Wojcik, Callaham, Martin, Tsao, Drexler - Applying Economy-		Palme - Radar Cross Section Generation of the Possible Non-Cooperative
:30	Initiatives with Integer Optimization	wide Modeling to NextGen Benefits Analysis		Targets
	Kim, Hansen - Collaborative Rerouting in the Airspace Flow Program: A Framework for User-cost Based Performance Assessment	Yoon, Hansen, Ball - Optimal Route Generation with Geometric Recourse		Senoguchi, Fukuda - Study on Conflict Detection Method with Downlink
:00	Framework for Oser-cost based Performance Assessment	Model under Weather Uncertainty		Aircraft Parameters
:00	Delgado, Prats - An Optimisation Framework for Aircraft Operators Dealing with Capacity-Demand Imbalances in SESAR	Vlachou, Lovell, Rabbani, Bayen - A Diffusion Approximation to a Single Airport Queue		Mainini - En Route Air Traffic Control Input Devices for the Next Generatio
:30		LUNCH		
:30	Future Concepts and Innovative Ideas II (Chair: Dave Knorr -	II Human Factors I (Chair: Paul Krois - FAA)	TTT	Airport Design and Operations I (Chair: Vojan Tosic - Uni Belgrade)
I	FAA)	II Hulliali Factors I (Cildii: Faul Krois - FAA)	1111	Airport Design and Operations 1 (Chair: Vojan Tosic - Oni Beigrade)
.20	Möhlenbrink, Friedrich, Papenfuß, Rudolph, Schmidt, Morlang, Fürstenau - High-Fidelity Human-in-the-Loop Simulations as One Step	Hurter, Serrurier, Alonso - An Automatic Generation of Metro-Like Maps to Display Flight Routes for Air Traffic Controllers: Structure and Color		Stefanik , Badanik, Matas - Airport Ground Access and Egress Passenger Flow Model (AGAP)
:30	Towards Remote Control of Regional Airports Weitz - Investigating String Stability of a Time-History Control Law for	Optimization Saporito, Hurter, Gianazza, Beboux - A Participatory Design for the		Rehwald, Hecker, Kaufhold - Operational Evaluation of an Airport Centered
:00	Airborne Spacing	Visualization of Airspace Configuration Forecasts		Flow Management
	Kumar, Sherry - Towards Universal Beacon Code Assignment: Spatial	Causse, Dehais, Pastor - Flight Experience and Executive Functions		Matas, Stefanik, Krollova - Door-to-Gate Air Passenger Flow Model
	and Temporal Analysis of Enroute Traffic in NAS	Predict Flight Simulator Performance in General Aviation Pilots		
:30		TEA BREAK		
:00	Airline Operations & Marketing (Chairs: Jacco Hoekstra - TU	II Human Factors II (Chair: Dirk Schaefer - ECTRL)	111	Airport Design and Operations II (Chair: Senay Solak - UMASS)
I	Delft)	II Hullian Factors II (Chair: Dirk Schaeler - ECTRE)	111	All port Design and Operations II (Chair: Senay Solak - OMASS)
- 20	Srisaeng - The Responses of Traditional Airlines on Low Cost Airlines	Causse, Dehais, Péran, Sabatini, Pastor - Economic Issues Provokes Hazardous Landing Decision-Making by Enhancing the Activity of		Atkin, Burke, Ravizza - The Airport Ground Movement Problem: Past and Current Research and Future Directions
:30	Kara, Ferguson, Hoffman, Sherry - Estimating Domestic U.S. Airline	"Emotional" Neural Pathways Wang, Vormer, Hu, Duong - Empirical Analysis of Air Traffic Controller		Mori - Modeling of Aircraft Surface Traffic Flow at Congested Airport Using
:00	Cost of Delay based on European Model	Dynamics		Cellular Automata
		Vela, Salaun, Burgain, Clarke, Feigh, Feron, Singhose, Solak - Predicting Controller Communication Time for Capacity Estimation		Lesire - Iterative Planning of Airport Ground Movements
:30				
:00				Fritzsche, Günther, Fricke - Potential of Dynamic Aircraft to Runway Allocation for Parallel Runways
		ICRAT 2010 GALA DINNER CRUISE ON DANUBE RIVER AND		
		BEST PAPER AWARDS		

DOCTORAL SYMPOSIUM (JUNE-04)
Fri. Chair: Mark Hansen

8:30	G. Calderón-Meza and L. Sherry - Establishing an Upper-Bound for the Benefits of NextGen Trajectory-Based Operations				
9:00	B. L. Luken and L. A. Garrow - Using Online Data to Investigate Airline Passengers' Multi-Airport Choices				
9:30	D. Rey, S. Constans, R. Fondacci, and C. Rapine - A Mixed Integer Linear Model for Potential Conflict Minimization by Speed Modulations				
10:00	S. Mumbower , and L. A. Garrow - Using On-Line Data to Explore Competitive Airline Pricing Policies				
10:30	COFFEE BREAK				
11:00	A. E. Sinclair - Evaluating Light Detection and Ranging (LIDAR) Technology in the Terminal AerodromeEnvironment for Potential Enhancements and Air Traffic Management				
11:30	N. Ahmad - The Aircraft Sequencing Problem				
12:00	M. Mesgarpour, C. N. Potts, and J. A. Bennell - Models for Aircraft Landing Optimization				
	CLOSING REMARKS (DAVE LOVELL & VU DUONG - Program co-				
12:30	Chairs)				
12:45	LUNCH				
	CONFERENCE END				