



EAAP Conference 2008

Hotel Sidi Saler - Valencia, Spain

Scientific Program



MONDAY 27 OCTOBER

9.00 - 09.45	<p>Opening Ceremony</p> <p>President of EAAP – Manfred Barbarino</p> <p>President of AEPA and Representative of Spanish Local Organising Group – María Luz Novis</p> <p>President of the Council of Spanish Associations of Psychologists – Francisco Santolaya</p> <p>Director of Valencia Airport – Julián Cámara Carazo</p>
09.45-10.30	<ul style="list-style-type: none">• Keynote Speaker - Peter Griffiths, EASYJET/CAA
10.30-11.00	Coffee break
11.00-12.30	<ul style="list-style-type: none">• Keynote Speaker - Guenther Martis, IATA• Keynote Speaker - Jurgen van Avermaete, LVNL (ATC the Netherlands)• Keynote Speaker - Walter Eggert, IFATCA
12.30-14.00	Lunch
14.00-15.30	<ul style="list-style-type: none">• Keynote Speaker - Kathy Abbot, FAA• Keynote Speaker - Wolfgang Kallus, University of Graz, Austria• Keynote Speaker - Ad de Graaff, NIVR/EU
15.30-16.00	Coffee break
16.00-17.30	DISCUSSION WITH KEYNOTE SPEAKERS

TUESDAY 28 OCTOBER

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9.00 -10.30 (includes discussion)	PAPER SESSION 1 - SELECTION 1 <ul style="list-style-type: none">• King, Manning, Williams, Reyna – Use of cost-effective personnel select out methods• Chetcuti, Damitz, Heese – FEAST Service: A harmonized European approach to ATC selection• Geven, Oprins, Veldhuijzen, Roe - Using personality scales in ATC selection - Predictive validities for ATC task performance in Initial Training• Bruder, Jörn, Eißfeldt – Aviator 2030: When pilots and air traffic controllers discuss their future				PAPER SESSION 2 - OPERATIONAL APPLICATIONS 1 <ul style="list-style-type: none">• Dehn, Mellett – Integrating HF throughout the concept lifecycle: experiences from EUROCONTROL projects• Lenné – Encouraging industry to invest in aviation human factors: Improved data collection and analysis of aviation insurance data to achieve safety improvements• Sosa Riera – Bridging human factors research to practice in modern flight operations (training and safety)• Misiak, Krupansky, Keinrath, Kolcarek, Vasek, Wise – Bringing ERASMUS to the European skies: Technical, procedural and financial impacts for airlines and pilots		
	10.30-11.00Coffee break						
11.00-12.30 (includes discussion)	PAPER SESSION 3 - SELECTION 2 <ul style="list-style-type: none">• Oubaid, Zinn, Klein – GAP: Selecting pilots via computer-based measurement of group and team performance. Development of a new Assessment Centre method• Heemstra – In search of the universal pilot: multicultural flight decks and personality of pilots• Matton, Raufaste, Vautier – Assessment of skill acquisition in pilot's selection with non-deterministic learning tasks• Kokorian – Predicting simulator performance and the costs benefits of assessments for the selection of pilots				PAPER SESSION 4 - OPERATIONAL APPLICATIONS 2 <ul style="list-style-type: none">• Huber, Oehme, Kolrep, Jürgensohn – Situation awareness and lighting on airport taxiways: Should SA measurement be situation-specific?• Pinska-Chauvin – Visual information processing based design of an augmented reality application• Pouw, Keinrath, Wise, Sedaoui, Gauthereau, Luuk – iFly - Human factors in autonomous aircraft operations (airborne self separation environment)• Olofinboba, Hamblin, Dorneich, DeMers, Wise – The design of controls for NASA's Orion Crew Exploration Vehicle (CEV)		
	12.30-14.00Lunch						
14.00-15.30	Poster session						
	Poster 1 Poster 2 Poster 3 Poster 4	Poster 5 Poster 6 Poster 7 Poster 8	Poster 9 Poster 10 Poster 11 Poster 12	Poster 13 Poster 14 Poster 15 Poster 16	Poster 17 Poster 18 Poster 19 Poster 20	Poster 21 Poster 22 Poster 23 Poster 24	Poster 25
15.30-16.00	Coffee break						
16.00-17.30	EAAP Business Meeting						
18.30	Buses leave for Vino de Honor at the Town Hall of Valencia						

WEDNESDAY 29 OCTOBER		
9.00-10.30 (includes discussion)	<p>PAPER SESSION 5 - SELECTION 3</p> <ul style="list-style-type: none"> • Luuk, A., Luuk, K – Predicting students' academic performance in aviation college from their admission test results • Pentcheva, Viktorova – Development and implementation of a psychological assessment test battery in aviation (PATBA) • Fothergill, Tam, Butcher – When should a controller retire? An exploratory investigation of air traffic management in Australian towers • Maschke, Oubaid, Pecena – Astronaut selection: method and perspectives 	<p>PAPER SESSION 6 - STRESS & FATIGUE</p> <ul style="list-style-type: none"> • Brown – Countermeasures to mitigate effects of fatigue among flight attendants to improve transportation safety and productivity • Mélan, Cariou, Galy, Cascino - Shiftwork, psychosocial job characteristics, sleep and health in air traffic controllers and satellite controllers • Chang, Wang, Tsai, Hsu, Yen, Ho – The influence of controlled position and traffic volume to controllers' workload during simulated air traffic control tasks • Piñar Chelso – The moderating role of emotional skills to avoid stress and improve performance of flight attendants in front of conflictive passengers
10.30-11.00	Coffee break	
11.00-12.30 (includes discussion)	<p>PAPER SESSION 7 - SAFETY RESEARCH 1</p> <ul style="list-style-type: none"> • Pacis, de Voogt – The role of GPS in aviation incidents and incidents • Uitdewilligen, de Voogt – Accidents of solo flying student pilots: The dangers and difficulties of student flight performance • Van Doorn, de Voogt, van de Wiel, Hülshager, Zijlstra - Agricultural Aviation Accidents in the United States, 2002-2006 • Yeung, Hoermann – NOSO: A safety tool to record threats and errors during normal operations in ATM 	<p>PAPER SESSION 8 - STRESS & FEAR OF FLYING</p> <ul style="list-style-type: none"> • Fifield – Development of a stress resiliency course for air traffic controllers • Cherng, Shyu, Wen – Sources of stress and coping types: a comparison between Taiwanese and foreign civil pilots • Oakes, Bor – Fear of Flying treatments: The next generation • Martinussen, Gundersen, Pedersen – Fears and joys of air travel
12.30-14.00	Lunch	
14.30-16.00	UNINET MEETING	
17.00-20.00	CITY TOUR OF VALENCIA	

THURSDAY 30 OCTOBER		
9.00-10.30 (includes discussion)	<p>PAPER SESSION 9 - TRAINING 1</p> <ul style="list-style-type: none"> • Kearns – E-learning: The future of Crew Resource Management training • Justen – The influence of mental effort on training performance and situation awareness in air traffic control • Franco – Human factors and flight safety: Initial pilot training • Auvinen – The role of social practices in the establishment of Situation Awareness in an airline cockpit interaction 	<p>PAPER SESSION 10 - METHODOLOGIES 1</p> <ul style="list-style-type: none"> • Lainos – The compatibility of EASA's certification process for aircraft engineers, with EASA's aim for high uniform level of civil aviation safety • Zijlstra, Waller – Leadership and interaction patterns in flight crews • Dahlstrom – Simulation realism and management of situations beyond procedures • Trebbi – Language quality based heuristic effects in the ATC radio communication: erroneous validation and erroneous falsification.
10.30-11.00	Coffee break	
11.00- 12.30 (includes discussion)	<p>PAPER SESSION 11 - TRAINING 2</p> <ul style="list-style-type: none"> • Oprins, Burggraaff – Analysis of learning curves in on-the-job training of air traffic controllers • Burdekin – Evaluating human factors and system safety training programs to facilitate operational improvements and satisfy the "bean counters" • Hamilton – "Grown men should not have to wear knee length light blue socks with their company uniform!": Human factors training for maintenance personnel • Harrap, Lewis – Increasing aviation psychology curriculum content in an aviation degree at the Australian Defence Force Academy 	<p>PAPER SESSION 12 - METHODOLOGIES 2</p> <ul style="list-style-type: none"> • Inoue, Aoyama, Kanno, Nakata, Furuta – Team cognitive process analysis as distributed cognition for en route air traffic control • Schuen-Medwed, Lorenz, Fügedi – Collaborative decision making in airspace management: A case study • Cahill, McDonald, Losa - Enhancing human performance and overall airline safety levels through improvements in system information flow • Krajewski, Wieland, Sommer, Golz – Fatigue in air traffic communication: Combining acoustic features within a computational intelligence approach
12.30-14.00	Lunch	
14.00-17.30 (coffee break 15.30 – 16.00)	<p>TUTORIAL 1 - JAR-FCL 3, Psychological requirements in practice – Farthofer, Gross TUTORIAL 2 - Pilot CRM training, practical aspects, playful learning - Beer TUTORIAL 3 - Presuppositions for safe and effective introduction of changes into the internal environment of an airline - Lainos TUTORIAL 4 - Designing Crew Resource Management for specific target groups – Heemstra, Dahlstrom TUTORIAL 5 - Social intelligence and aviation: understanding the role of emotions in the cockpit – Hamilton, Stevens TUTORIAL 6 - Psychological problems among aircrew: a research and clinical update – Bor, Eriksen WORKSHOP - Decoding Behaviour – a missing link in safety management – Naef</p>	
19.00		
20.00	GALA DINNER and EAAP AWARD 2008 CEREMONY	

FRIDAY 31 OCTOBER	
9.30-10.45 (includes discussion)	PAPER SESSION 13 - SAFETY RESEARCH 2 <ul style="list-style-type: none"> • Soraji, Kanno, Furuta, Aoyama, Karikawa, Takahashi – Study on air traffic control safety based on cognitive systems engineering: cognitive modeling of ATC team by field observation • Heimdal, Arvidsson, Jönsson, Ek, Johansson, Akselsson – Participative processes for sustainable changes in European ATM and enabling methods within the SESAR context • Van der Westhuizen – Human factor data base and safety climate survey of ATN, South Africa
10.45-11.15	Coffee break
11.15-12.30 (includes discussion)	PAPER SESSION 14 - POSITIONING AVIATION PSYCHOLOGY <ul style="list-style-type: none"> • McDonald – Operational risk in aviation and the HILAS approach • Heintz – Human performance implications of the SESAR operational improvements: Enabling the European ATM masterplan • Lee – New opportunities for aviation psychology in a changing aviation environment <p style="text-align: center;">CLOSURE OF 2008 EAAP CONFERENCE</p>

Posters

Arvidsson, Heimdal, Hill, Jönsson, Rathje	Change and transition management – a new area for expert support in ATM
Biernacki, Truszczynski	Pilot candidates central nervous system properties' influence on the tempo and variability of main cognitive processes
Blajev	Skybrary: How aviation safety knowledge influence the performance of practitioners?
Cabral, Ribeiro, Cunha, Landau	Corporate resource management - Second phase - Recurrent practice and feedback
Camargo, Fajer, Bauer, Dias, Costa, Silva	Development of Evaluation Measures for Organizational Atmosphere and Culture at the Brazilian Air Force Flight Squadrons
Feuerberg, Straussberger	Perceptions of roles in air traffic management: A comparing interview study
Galy, Mélan, Cariou	Mnemonic processing and response strategies in ATCs: effects of presentation modality and list-length
Gomes	Flight performance: application of a latent class analysis
Grote, Zala-Mezö, Künzle, Kolbe	Adaptive coordination in cockpit crews: Which mix of coordination mechanisms is best?
Jagathesan	16PF testing in commercial pilot applicants
Jamal, Silva	Training and safety climate in the promotion of safety behaviors in the aeronautical context: the role of knowledge and self-efficacy
Kallus, Hoffmann, Winkler	The concept of individual critical situations (SCS)
Kallus, Tropper, Dumendcic, Streit	The role of motion cues in simulator disorientation recovery training
Karikawa, Takahashi, Aoyama, Furuta	Study on ATC system based on cognitive systems engineering: cognitive system simulation of Air Traffic Controller
Kim, Lim	The relation between interdependent self-construal and hazardous attitude among Korean pilots: The mediating effect of immature defense mechanism, and moderating effects of face-sensitivity and self-esteem
Lang-Ree, Martinussen	The effects of previous computer experience on pilot selection test performance
Loyens, de Voogt	Safety in general aviation helicopter operations : the effects of fatigue
Palukka, Palukka	Situated organization of aviation safety
Ribeiro, Cabral, Silva	Human factors in Brazilian civil aviation: developing a systemic culture.
Streit, Dumendzic, Kallus	ECG changes and the role of anticipatory behaviour control in critical flight situations
Surrador, Piedade, Jamal, Gomes, Valente	Predictors of the performance in ab-initio pilots: the contribute of an assessment centre
Tarnowski, Kowalczuk	Psychomotor coordination when using night vision goggles
Tsang Tak Sum	Rail human factors training: adaptation of Crew Resource Management training to enhance modern railway safety
Tsvetkova-Georgieva, Pentcheva	Jung's psychological types and stress resistance referred to pilots and ATCs from Bulgaria civil aviation