

**Monday 24 September 2018**

07:30 - 09:00	<b>EAAP Conference Desk</b>	
<a href="#">[Delete]</a>	The EAAP33 Conference Desk will be available for registration and answering questions in the morning and during coffee break throughout the conference.	
09:00 - 09:20	<b>OPENING CEREMONY</b>	
<a href="#">[Delete]</a>	<b>Meeting room: MARE I</b> Welcome and introduction by the President of EAAP, André Droog Welcome on behalf of Croatia Control by the Director of Legal and Financial Department, Mr. Nino Karamatić	
09:20 - 10:00	<b>KEYNOTE ADDRESS : Dr. WAYNE L. MARTIN</b>	
<a href="#">[Delete]</a>	<b>Meeting room: MARE I</b> <b>Session Chair: Ioana Koglbauer</b> Winner of the Best Paper Award 2016 Impairment Effects of Startle on Pilots During Unexpected Critical Events	
10:00 - 10:40	<b>KEYNOTE ADDRESS : Dr. HEIKKI MANSIKKA and Prof. Dr. DON HARRIS</b>	
<a href="#">[Delete]</a>	<b>Meeting room: MARE I</b> <b>Session Chair: Ioana Koglbauer</b> Winners of the Best Paper Award 2017 50 Shades of Competency – Challenges of Defining Pilots' Operational Proficiency	
10:40 - 11:10	<b>Coffee Break</b>	
<a href="#">[Delete]</a>		
11:10 - 12:30	<b>DEVELOPMENTS IN AVIATION PSYCHOLOGY &amp; HUMAN FACTORS</b>	
<a href="#">[Delete]</a>	<b>Meeting room: MARE I</b> <b>Session Chair: Brent Hayward</b> <b>An Airborne View on Commercial Formation Flight Operations</b> <i>Sonja Biede</i> <b>Of People and Drones</b> <i>Hinnerk Eißfeldt</i> <b>The Human Element in Maintenance</b> <i>Alan Hobbs</i> <b>The Man, the Mission and the Legacy</b> <i>Sue Burdekin</i>	
12:30 - 13:50	<b>Lunch</b>	
<a href="#">[Delete]</a>		
13:50 - 15:10	<b>SAFETY CULTURE &amp; REPORTING</b>	<b>BEHAVIOUR MONITORING</b>
<a href="#">[Delete]</a>	<b>Meeting room: MARE I</b> <b>Session Chair: Wolfgang Kallus</b> <b>Evaluating airline pilot attitudes toward use of the Support Process</b> <i>Brenton Hayward</i> <b>A Comparison between the Reporting Intention of Australian and European Commercial Pilots</b> <i>Kevin McMurtrie</i> <b>Lessons Learned from four years of Safety Culture Surveys in Aviation</b> <i>Barry Kirwan</i> <b>Assessing Human Behaviours in the Context of Just Culture</b> <i>Michaela Schwarz</i>	<b>Meeting room: MARE II</b> <b>Session Chair: Carmen Bruder</b> <b>Monitoring Pilots' Physiological Variables in the Flight Deck for Future Accident Investigation and Prevention</b> <i>Wen-Chin Li</i> <b>A methodology to objectively discover hidden time patterns in ATCos visual sampling behavior</b> <i>Dirk Schulze Kissing</i> <b>Pilot flying versus Pilot monitoring: Visual circuits during critical flight phases</b> <i>Olivier Lefrançois</i> <b>Eye tracking measures in pilots</b> <i>Sylvia Peissl</i>
15:10 - 15:30	<b>Tea Break</b>	
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[15:30 - 17:10](#)

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**ATC/ATM PERFORMANCE**

**Meeting room: MARE I**

**Session Chair: Claudine Mélan**

**The Assessment of Safety and Human Performance on Multiple Remote Tower Operations**

*Peter Kearney*

**Enhancing runway throughput while maintaining acceptable human performance in Time Based Separation (TBS)**

*Adriana-Dana Botezan*

**Human Performance improvements in an Air Traffic Control Centre**

*Marinella Leone*

**Oral communication as a performance indicator in control rooms**

*Carmen Bruder*

**Development of Screen Design**

**Criteria for Air Traffic Control Tasks**

**Considering Workload, Situation**

**Awareness and Task Performance**

*Haruka Yoshida*

**DISORIENTATION & RECOVERY**

**Meeting room: MARE II**

**Session Chair: Paul Dickens**

**The effect of pilot expectations on misinterpretations of the artificial horizon**

*Annemarie Landman*

**Trust your instruments: Pilot's Instrument Scanning During Spatial Disorientation**

*Eric Groen*

**Improving the Method for Upset Recovery Training of Ab Initio Student Pilots in Simulated and Real Flight**

*Stephan Bauer*

**The Sycopaero System: A New Operational Support System in Case of Speed Failure**

*Eve Fabre*

[18:15 - 20:00](#)

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**Welcome Reception**

**Meeting room: MARE I**

**Welcome from the local host Croatia Control**

**Tuesday 25 September 2018**

<p><a href="#">07:30 - 08:30</a> [Delete]</p>	<p><b>EAAP Conference Desk</b></p>	
<p><a href="#">08:40 - 10:20</a> [Delete]</p>	<p><b>SELECTION &amp; VALIDATION</b>  <b>Meeting room: MARE I</b>  <b>Session Chair: Peter Maschke</b>  <b>Ability requirements for modern military fast jet pilot training</b>  <i>Ole Christian Lang-Ree</i>  <b>Ability Requirements of UAS Operators</b>  <i>Wiebke Melcher</i>  <b>A Psychometrician's Dream: Test Validities in an Unrestricted Sample of Future Swiss Air Force Pilots</b>  <i>Hans-Jürgen Hörmann</i>  <b>Validation of a Computerised Pilot Selection System</b>  <i>Yuhan Lim (--&gt; poster)</i>  <b>Exploring the effect of pre-selection of ATCO trainee applicants based on online testing of general mental ability</b>  <i>Alexander Heintz</i></p>	<p><b>COGNITIVE ENGINEERING &amp; AUTOMATION</b>  <b>Meeting room: MARE II</b>  <b>Session Chair: Alan Hobbs</b>  <b>Automation and Human Factors in Future Air Traffic Management</b>  <i>Ruth Schmidt</i>  <b>Killing Deskillling: Mental Training in Aviation – Benefits and Risks</b>  <i>Clemens Könczöl</i>  <b>Evaluation of Scalable Autonomy for UAVs in Military Manned-Unmanned-Teaming Helicopter Missions</b>  <i>Georg Rudnick</i>  <b>Concept for Satisfying Pilot Information Demands in MUM-T Under Selective Datalink Availability</b>  <i>Carsten Meyer</i>  <b>Establishing a Variable Automation Paradigm for UAV-based Flight Path Reconnaissance in a Military Transport Helicopter Cockpit: Experimental Evaluation of Cockpit Automation</b>  <i>Christian Ruf</i></p>
<p><a href="#">10:20 - 10:50</a> [Delete]</p>	<p><b>Coffee Break</b></p>	
<p><a href="#">10:50 - 11:50</a> [Delete]</p>	<p><b>SELECTION &amp; VALIDATION (continued)</b>  <b>Meeting room: MARE I</b>  <b>Session Chair: Peter Maschke</b>  <b>Spatial working memory and related prefrontal brain activity predict flying performance in Ab initio airline pilots</b>  <i>Mickaël Causse</i>  <b>Performance and interaction in a computer based group task as a new tool in the psychological selection of Aviation and Space personnel</b>  <i>Viktor Oubaid</i></p>	<p><b>COGNITIVE ENGINEERING &amp; AUTOMATION (continued)</b>  <b>Meeting room: MARE II</b>  <b>Session Chair: Alan Hobbs</b>  <b>An Adaptive Mixed-Initiative Approach for Future Manned-Unmanned Teaming Helicopter Missions</b>  <i>Fabian Schmitt</i>  <b>Model- and observation- based Workload Assessment and Activity Determination in Manned-unmanned Teaming Missions</b>  <i>Dennis Mund</i>  <b>Adaptive or Non-Adaptive? The Benefit of Adaptive Automation for Military Cockpit Crews</b>  <i>Yannick Brand</i></p>
<p><a href="#">11:50 - 12:30</a> [Delete]</p>	<p><b>KEYNOTE ADDRESS : Prof. Dr. DIETRICH MANZEY and Dr. YVONNE PECENA</b>  <b>Meeting room: MARE I</b>  <b>Session Chair: Ioana Koglbauer</b>          Flightlevel 13.500 and beyond: Issues of Space Psychology</p>	
<p><a href="#">12:30 - 13:50</a> [Delete]</p>	<p><b>Lunch</b></p>	

14:50 - 17:00

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**POSTER SESSION**

**Meeting room: MARE I**

**Session Chair: Sue Burdekin**

**Perspective taking in a realistic task in simulated microgravity conditions**

*Virginie Bayet*

**2. Personality and cognitive predictors of reaction time in pilots**

*Marcin Biernacki*

**3. Future Military Aircraft: Usability of Touch Displays in highly agile Jets.**

*Oliver Daum*

**4. On the Validity of the Instrument Reasoning Test (IRe) – First Results for Pilots and Non-Pilots**

*Rebecca Fill Giordano*

**5. Cognitive Determinants of Efficiency of Pilot's Behavior under the Influence of Visual Illusions**

*Michał Janewicz*

**6. The influence of anxiety on spatial thinking in the context of flying operations**

*Marta Molińska*

**7. Hypoxia and cognitive functioning – a meta-analytic review**

*Marta Molińska*

**8. Measurement of Mental Performance Change under Hypoxic Conditions for Training Purpose**

*Cynthia Schinkel*

**9. Task switching and cognitive lockout during approach and landing**

*Amit Singh*

**10. Safety methods in aviation: To what extent do they address the effects of risk perception and risk communication?**

*Dimitrios Chionis*

**11. Fit to Fly; An Investigation of Aeronautical Decision Making for Pilots**

*Katya De Giovanni*

**12. Lexical Analysis of the Reports of Incidents and Air Accidents between the Years 2000 TO 2010**

*Vivian Gomes*

**13. Aeronautical Psychology: The Psycho-Aerotypes: a Study on Pilot Personality**

*José Mirabal*

**14. The study of the Psychological Aspect in general aviation: the relationship between man and machine**

*Bianca Silveira Rovella*

**15. Integrating hierarchical task analysis into model-based system**

**18. Relationship between Personality Traits and Decision Making Styles among Air Traffic Controllers: Mediation Role of Job Stress.**

*Samreen Arshad*

**19. Construction of job stress scale for air traffic controllers**

*Samreen Arshad*

**20. Anticipating Cognitive Requirements for Single-Pilot Operations in Commercial Aviation**

*Anja Kathlin Faulhaber*

**21. Attention, psychomotor coordination and personality among military ground technical personnel.**

*Katarzyna ŁAPKIEWICZ*

**22. Assessment of Behavioural Skills of Air Traffic Safety Electronics Personnel in Operational Environment**

*Jevgenijs Oborins*

**23. Human Performance Assessments in the Context of Remotely Piloted Aircraft System Implementations**

*Yvonne Pecena*

**24. A qualitative study of the effects of automation fatigue in the environment of satellite controllers**

*Veronika Burkhardt*

**25. Does Automation differ from Artificial Intelligence?**

*Charlotte Costantini Andrea*

*Montefusco*

**26. A pilot-centered model of the relationships between automation trust, automation surprise, and the degree of cockpit automation**

*Karel Hurts*

**27. Connecting Operators, Organisations and Automation**

*Adam Balint Tisza*

**28. Clinic to Cockpit: Analysis of Aviator Grounding Periods Due to Psychiatric Disorders**

*John Heaton*

**29. Initiatives for Pilot Mental Health**

*Karl Johan Klang*

**30. E-health Training: An Internet-Mobile Based Service to Aircrew Peer Support Program Implementation.**

*Glauco Trebbi*

**31. Emergency professionals - A study to develop a Program to Promote Organisational Resilience**

*Alexandra Franco*

**design using Airbus XHTA and IBM Rational Rhapsody**

*Alexander Rabl*

**16. DONT PANIC! Perform Complex Hierarchical Task Analysis with the Airbus eXtended HTA Tool**

*Alexander Rabl*

**17. Thermal Comfort in the Aircraft Cabin – New Ventilation Concepts**

*Frank Zinn*

**DEMO**

**Interlab Demo - Non-Technical Skills Training**

*Fabrice Drogoul*

**32. Predicting Grit through Social Achievement Goals in an Aviation Education Environment**

*Austin Walden*

**33. Classroom Goals and Social Development Goals in Aviation Education Environments**

*Austin Walden*

**34. Validation of a Computerised Pilot Selection System**

*Yuhan Lim*

15:00 - 17:00

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**EAAP BUSINESS MEETING**

**Meeting room: MARE II**

Election of new EAAP Board Members. All EAAP members welcome. Voting rights reserved to Full Members.

17:30 - 18:30

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**Annual Meeting of the Austrian Aviation Psychology Association**

**Meeting room: MARE I**

AAPA info: [aapa.or.at/](http://aapa.or.at/)

18:30 - 19:30

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**EAAP Students Meeting**

Meeting Point 18:30 at Hotel Reception

Wednesday 26 September 2018

07:30 - 08:30	<b>EAAP Conference Desk</b>	
08:40 - 10:20	<p><b>WORKLOAD &amp; FATIGUE</b>  <b>Session Chair: Alexander Heintz</b>  <b>Meeting room: MARE I</b>  <b>Contrasting effects of work schedule changes and air traffic intensity on ATCOs' fatigue, stress and quality of life.</b>  <i>Claudine Mélan</i>  <b>Subjective perception of workload and fatigue and coping strategies applied by ATCO's in BULATSA Bulgaria</b>  <i>Elena Pentcheva</i>  <b>Effects of standby duty on well-being and work-family-conflict: The moderating role of self-efficacy</b>  <i>Panja Goerke</i>  <b>An Investigation of the Relationship between Fatigue and Flight Behaviors of Turkish Commercial Airline Pilots</b>  <i>Gizem Serin</i>  <b>Pilot Fatigue and Safety Events: Results from Analysis of Investigation Reports</b>  <i>Nektarios Karanikas</i></p>	<p><b>TRAINING &amp; PERFORMANCE</b>  <b>Session Chair: Gunnar Steinhardt</b>  <b>Meeting room: MARE II</b>  <b>Towards a standardized method for training low visibility procedures</b>  <i>Ioana Koglbauer</i>  <b>Complex line operational simulation - simulating the wild!</b>  <i>Thomas Braunstingl</i>  <b>Integrating tightly coupled entities</b>  <i>Nicholas Carpenter</i>  <b>Automation addiction as an important factor in air accidents. A case study.</b>  <i>Adam Tarnowski</i>  <b>Do you think you know what they do? Why safety critical operators may deviate from procedures</b>  <i>Frederic Detaille</i></p>
10:20 - 10:50	<b>Coffee Break</b>	
10:50 - 11:30	<p><b>WORKLOAD &amp; FATIGUE (continued)</b>  <b>Session Chair: Alexander Heintz</b>  <b>Meeting room: MARE I</b>  <b>Mindfulness Training for Crew in Aviation</b>  <i>Claudio Rojo</i></p>	<p><b>TRAINING &amp; PERFORMANCE</b>  <b>Session Chair: Gunnar Steinhardt</b>  <b>Meeting room: MARE II</b>  <b>Age related incapacitation in pilots</b>  <i>Robert Walton</i>  <b>Elite Expert Decisions under Time Pressure</b>  <i>Michael Vidulich</i></p>
11:30 - 12:10	<p><b>KEYNOTE ADDRESS : Dr. STEVEN SHORROCK</b>  The Varieties and Archetypes of Human Work</p>	
12:15 - 12:30	<p><b>FLIGHT SAFETY PRESENTATION BY THE CROATIAN AIRFORCE</b>  <b>Meeting room: MARE I</b>  <b>Session Chair: André Droog</b>  <b>Presentation by Darko Sumanovac (Croatian Airforce)</b></p>	
12:40 - 13:00	<p><b>SURPRISE</b>  <b>Flight Display by Wings of Storm</b>  <b>Facilitated by Major Darko Sumanovac</b></p>	
13:00 - 13:50	<b>Lunch</b>	
13:50 - 17:00	<p><b>EXCURSION</b>  <b>Meeting point: in front of Hotel Dubrovnik Palace</b>  Guided Tour to the Old City of Dubrovnik</p>	

Thursday 27 September 2018

07:30 - 08:30	<b>EAAP Conference Desk</b>	
08:40 - 10:20	<p><b>MENTAL HEALTH, MH ASSESSMENT &amp; SUPPORT</b>  <b>Session Chair: Gerhard Fahnenbruck</b>  <b>Meeting room: MARE I</b>  <b>The Real Heroes of Aviation!</b>  <i>Paul Dickens</i>  <b>Subjective Well-being and Relevant Factors in Air Traffic Controllers</b>  <i>Yi-Hsing Li</i>  <b>Occupational Outcomes and Neurocognitive Profiles in United States Air Force Pilots Treated with Antidepressant Medication</b>  <i>Joe Wood</i>  <b>Post Accident Psychological Support in the Brazilian Navy</b>  <i>Natalia von Poser</i>  <b>Work-Related Social Support and its Influence on Wellbeing: A Qualitative Study on Pilots in the Commercial Aviation Industry</b>  <i>Sirkka Jarlvik</i></p>	<p><b>HUMAN FACTORS IN COCKPIT DESIGN</b>  <b>Session Chair: Eric Groen</b>  <b>Meeting room: MARE II</b>  <b>Taking into Account the Systemic Character of Perception in Cockpit Design</b>  <i>Alf Zimmer</i>  <b>Development, Application, and Validation of a HMI Multimethod Inventory for Cockpit Evaluation – Demonstrated on a Newly Implemented Navigational Aid</b>  <i>Constanze BilleriB</i>  <b>Evaluation of Cockpit Controls for Future Fighter Aircraft</b>  <i>Johannes Kellerer</i>  <b>Elicitation of Knowledge from Fighter Pilots for the Development of an Adaptive Sensor Management System</b>  <i>Benedikt Petermeier</i>  <b>Experimental Evaluation of a Multimodal Spatial Display in an Aircraft Cockpit Context</b>  <i>Alexander Rabl</i></p>
10:20 - 10:50	<b>Coffee Break</b>	
10:50 - 11:50	<p><b>MENTAL HEALTH, MH ASSESSMENT &amp; SUPPORT</b>  <b>Session Chair: Gerhard Fahnenbruck</b>  <b>Meeting room: MARE I</b>  <b>Attitudes and knowledge of mental health problems among aviators: A mixed methods study of pilots, student pilots, and instructors</b>  <i>Patricia Appel</i>  <b>Predicting Pilot Performance and Managing Risk - a Hybrid Assessment Model</b>  <i>Karien Stadler Colin Rigby</i>  <b>Exploring Successful Aging: Relationships between Age, Personality Functions and Successful Aging in Taiwanese Civil Pilots</b>  <i>Chian-Fang G. Cherng</i></p>	<p><b>HUMAN FACTORS IN COCKPIT DESIGN (continued)</b>  <b>Session Chair: Eric Groen</b>  <b>Meeting room: MARE II</b>  <b>Development of a Human-Machine-Interface for Evaluation of Automated Sensor Management Concepts</b>  <i>Lukas Katzenmeier</i>  <b>Connecting people around a dynamic system simulation device for the specification of the future HSI of the French fighter aircraft</b>  <i>Julien DONNOT</i>  <b>A400M connecting tactical air transport to “combat cloud” operations</b>  <i>Jérôme RANC</i></p>
11:50 - 12:30	<p><b>KEYNOTE ADDRESS : Prof. Dr. MONICA MARTINUSSEN</b>  <b>Session Chair: Ioana Koglbauer</b>  <b>Meeting room: MARE I</b>  Evidence based air crew selection: How to conduct psychological assessments to ensure safe operations</p>	
12:30 - 13:50	<b>Lunch</b>	

13:50 - 16:00	<p><b>PEER SUPPORT PROGRAMS</b>  <b>Session Chair: Robert Bor</b>  <b>Meeting room: MARE I</b>  including tea break  <b>The Right Stuff - Curse of the Modern Pilot?</b>  <i>David Fielding</i>  <b>Exploring the contribution of Peer Support to the Wellbeing of Pilots</b>  <i>Wendy Santilhana</i>  <b>Peer-to-Peer Support and Development Programs for Pilots: Time for a Holistic Approach</b>  <i>Gunnar Steinhardt</i>  <b>Connecting People, Organisations and Technology in Clinical Aviation Psychology: Possibilities for Psychological Stepped Care</b>  <i>Margaret Oakes</i>  <b>Stiftung Mayday</b>  <i>Gerhard Fahrenbruck</i></p>	<p><b>ATC Tower Visit (Airport Dubrovnik)</b>  <b>Contact: Michaela Schwarz</b>  organized by Croatia Control Ltd.  (limited to max. 30 participants, photo ID/ passport required, <b>registration at EAAP Conference Desk latest by Tuesday, 25th September 09:00</b>)</p>
17:00 - 18:00	<p><b>Annual Meeting of the German Aviation Psychology Association</b>  <b>Meeting room: MARE I</b>  Meeting room to be confirmed.  DGLP info: <a href="http://dglp.de/">dglp.de/</a></p>	
19:30	<p><b>GALA DINNER</b>  Hotel Dubrovnik Palace  Presentation of the new EAAP President &amp; Board  Presentation of the EAAP Award</p>	



**Friday 28 September 2018**

09:30 - 11:30      **THE FUTURE OF EAAP**  
**Session Chair: Michaela Schwarz**  
**Meeting room: MARE I**  
**New Training and Accreditation Requirements of Aviation Psychologists**  
*Christian Czihak*  
followed by facilitated discussion of topics by the EAAP members  
chaired by EAAP Secretary General

11:30 - 12:00      **CLOSING CEREMONY**  
**Meeting room: MARE I**

12:30 - 12:50      **Lunch**

**Disclaimer:** The Conference Programme may be subject to change