

# Program

- 08:30**                    **Registration**
- 09:00**                    **Opening of SASCON '12**  
Dr. Peter Müller, Director General of FOCA
- 09:15**                    **Safety Performance Indicators:  
Learning from Others?**  
Prof. Dr.-Ing. Wolfgang Kröger  
ETH Zurich
- 10:00**                    **Deriving Process Safety KPIs for the Oil Processing Industry**  
Ernst G. Zirngast, Risk Expert  
Swiss Reinsurance Company
- 10:30*                    *Coffee Break*
- 11:00**                    **Safety Performance Indicators in Railway Transport**  
Dr. Jonathan Shaha, Risk Management  
SBB AG
- 11:30**                    **Safety Performance Measurement at the European Level**  
John Vincent, Head of Safety Analysis & Research  
EASA
- 12:00*                    *Lunch Break*
- 13:30**                    **Safety KPI: What for?  
Learning from the Attempt to Build a Meaningful  
Safety Management Cockpit**  
René Aebersold, Deputy Chief Safety Officer  
Skyguide
- 14:00**                    **Safety Performance Indicators at Aerodromes**  
Ing. Andreas M. Herndler, Academic Crisis Manager and  
Contingency Planner  
Federal Ministry for Transport, Innovation and Technology  
Republic of Austria
- 14:30**                    **The Role of SPIs for Safety Management at SWISS**  
Capt. Thomas Bolli, Head of Operations Safety Assurance  
Swiss International Airlines Ltd.
- 15:00*                    *Coffee Break*
- 15:30**                    **Maintenance SPIs: From Stand-Alone Indicators to  
Valid Inputs for Operational Safety**  
Jorge Leite, Vice President Quality  
TAP Maintenance & Engineering
- 16:00**                    **Safety Performance Measurement as Part of the  
Swiss Aviation Safety Program**  
Ryan Hunninghaus, Head of Safety Risk Management  
FOCA
- 16:30**                    **Summary and Panel Discussion**  
All Speakers
- 17:00**                    **End of Conference**



**Prof. Dr. Wolfgang Kröger**  
**Former Chair/Head of the Laboratory for Safety Analysis**  
**Executive Director, ETH Risk Center**  
**ETH Zurich**

Wolfgang Kröger has been Ordinarius of Safety Technology at the ETH Zurich since 1990 and director of the Laboratory for Safety Analysis. Before being elected IRGC's Founding Rector in 2003 he headed research in nuclear energy and safety at the Paul Scherrer Institut (PSI). After his retirement at the beginning of 2011 he has become the executive director of the newly established ETH Risk Center.

Professor Kröger studied mechanical engineering at the RWTH Aachen, completed his doctorate in 1974. Inter alia Wolfgang Kröger is an individual member of the Swiss Academy of Technical Sciences and heads the topical platform "Risk". He has been awarded "Distinguished Affiliated Professor" by the Technical University Munich.



**Ernst G. Zirngast**  
**Risk Expert**  
**SwissRe**

Ernst G. Zirngast received his degree in Mechanical Engineering at the Technikum Winterthur. He gained a post degree in business administration in 1996. He spent many years working for the Sulzer corporation, a multinational company, in Winterthur, Mexico, USA and the UK. He gained experience as a troubleshooter in refineries, offshore platforms and nuclear power stations. In 1996 he joined SwissRe's Risk Engineering Services in Zürich as risk expert for oil and petrochemical plants. His area of interest includes topics such as process safety management, application of work psychology, human factors and safety culture. He has developed assessment tools and applied them successfully in plant surveys for selective insurance underwriting. One tool addresses the quality of organizational changes and a paper has been presented at a CCPS conference. He has been involved in the initiative to derive process safety KPIs for the Oil producing industry.



**Dr. Jonathan Shaha**  
**Project Manager**  
**SBB AG**

Jonathan Shaha graduated as a chemical engineer from Swiss Federal Institute of Technology ETH and holds a PhD degree in multiphase flow from Imperial College, London (UK). He started his professional career as a consultant in tunnel ventilation and safety. Since 2007 he has worked as a project manager in the central safety department of Swiss Federal Railways (SBB). His work focuses on risk assessments and tools for risk management in railway safety.



**John Vincent**  
**Deputy Director for Strategic Safety**  
**European Aviation Safety Agency (EASA), Germany**

Mr Vincent joined EASA in 2004 and is responsible for two departments at the Agency. He is Deputy Director for Strategic Safety and Head of Safety Analysis and Research in the Executive Directorate at EASA. Also the Safety Information and Reporting System Department comes under his responsible. He is co-chair of each of the European Strategic Safety Initiative (ESSI) safety teams (ECAST, EHEST and EGAST). Mr Vincent graduated in 1982 as an electrical engineer from Coventry University in the UK. As a Chartered Engineer he spent 20 years in design and system integration on projects ranging from SONAR and satellite ground equipment to cockpit aircraft display systems. Mr Vincent joined the UK Civil Aviation Authority in 1991 and became Head of Avionic Systems. He was responsible for a team of aircraft systems surveyors and avionics lead on international certification projects. After a decade of aircraft certification work he became Head of Strategic Safety and Analysis. He was responsible for a team of safety analysts and flight data specialists and coordinated safety policy and planning.



**René Aebersold**  
**Head of strategic safety development and policies**  
**Deputy Chief Safety Officer**  
**skyguide**

René Aebersold, born on 4.2.1961 in Aarau, worked for more than 20 years for the Federal Office for Civil Aviation, where he was during his last 10 years at FOCA mainly responsible for the planning of aviation infrastructure and the surveillance of the Swiss air navigation service providers. At the end of 2007 he joined skyguide, where he now manages the division responsible for the further development of skyguide's Safety Management System SMS. He acts also the Deputy Chief Safety Officer and is working both in Wangen and in Geneva Airport.



**Ing. Andreas M. Herndler**  
**MBA MPA, Academic Crisis Manager and Contingency Planner**  
**Federal Ministry for Transport, Innovation and Technology**  
**Republic of Austria**

Ing. Andreas M. Herndler, MBA MPA, Academic Crisis Manager and Contingency Planner at the Federal Ministry for Transport, Innovation and Technology of the Republic of Austria had been working as IT-professionist for more than 10 years before he joined aviation 3 years ago. During his IT-experience he had been responsible for global IT-networks and their availability, safety and security. Beside that Herndler is working now for more than 20 years already for the fire service of his home town where approx. 25.000 people reside, actually as fire chief where he also serves the district and region as head of operations if needed. Firefighting is a passion for Herndler, why he is also dealing with the improvement of the education and training of firefighters in eastern Austria, especially in case of building fires. Within the last three years Herndler concentrated on Aviation, especially on Aerodromes in Austria. Their emergency and safety management are the main topics of his daily work, where he's running several safety assessments a year with the airports and is doing safety analysis more or less on a daily basis.



**Capt. Thomas Bolli**  
**Head of Operations Safety Assurance**  
**Swiss International Airlines**

Thomas Bolli is Head of Operations Safety Assurance at Swiss International Air Lines Ltd. In this role, he leads the safety, quality, security and occupational safety & health units at SWISS. Thomas Bolli holds a Master's Degree in Aviation Management from Concordia University, Montreal, Canada. He flies as commander on SWISS' A330/A340 aircraft and has longtime experience as flight instructor and type rating examiner on various types. Besides his career as airline pilot, he held the position of deputy fleet chief on A310 with Swissair and was President & CEO of Swiss Aviation Training Ltd. From 1992 to 2003, he was co-founder and CEO of ELITE Simulation Solutions. Thomas Bolli is still an active flight instructor on Pilatus PC-7 with the Swiss Air Force.



**Jorge Leite**  
**Vice President Quality**  
**TAP Maintenance & Engineering**

Jorge Leite is a Mechanical Engineer by the Lisbon University, specialized in Thermodynamics and Fluid Mechanics. He has worked for TAP Portugal for the past 26 years, mainly in the fields of Aircraft Engines Overhaul, Quality and Safety. Jorge began his aviation career in 1986 developing JT8D repairs in TAP Engine Shop, where he performed research and development of new repairs and materials.

In 1989, when TAP Portugal introduced the CFM56-3 engine in its fleet, Jorge was appointed Powerplant Engineer for this type leading the team that prepared the grounds, procedures and introduced this engine in the Engine Shop. For the next 6 years he worked as chief Powerplant Engineer for the CFM56-3, and also managed the phase-in of the CFM56-5A and CFM56-5C engine programs in TAP Portugal. He was assistant test cell engineer for these types. In 1995 Jorge took charge of the Production Department in the Engine Shop, prior to assuming successive management positions as Engineering & Quality Manager and later as Commercial Director. In 2004 Jorge was appointed Director of Quality for TAP Maintenance & Engineering and in 2009 designated Vice President Quality, a position which he still holds today. He is currently the chairman of AEA (Association of European Airlines) Engineering & Maintenance Subcommittee in Brussels and represents AEA in the SSCC (Safety Standards and Consultative Committee) of EASA in Cologne. Jorge Leite was born in Lisbon, Portugal in 1960. His aviation activity extends well outside TAP Portugal. He has been a lecturer in the Portuguese Air Force Academy and several Aeronautical Institutes. Currently he teaches Aerodynamics, Propulsion and Flight Performance in several Flight Schools, and Quality and Aeronautical Legislation in Lisbon University. Jorge holds a Private Pilot License.