

Mark Roth
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Curriculum Vitae

Personal Details

Full Name: Mark Roth
Date of Birth: 23. September 1968
Nationality: Swiss
Marital Status: married since August 1991 to Bea Roth
Children: Silvan (1996), Selina (1998), Mischa (2000)



Summary of Qualifications and Activities

- Captain, Type Rating Instructor and Type Rating Examiner on Airbus A380
- Total flight experience of about 17'500hours of which 9'500hours as a Captain
- Approximately 2'500hours as instructor/examiner in simulators
- MSc in Air Safety Management (magnum cum laude) from City, University of London
- Part-time instructor with skyguide, Swiss Air Traffic Control
- Initiator and founding member of the Global Leadership Summit Dubai
- Owner and Director of AviMedConsulting

Aviation Work History

May 2018 - today	Emirates, Type Rating Examiner (TRE) A380
May 2014 – today	Emirates, Type Rating Instructor (TRI) A380
August 2012 - today	Emirates, Captain A380
November 2006 - August 2012	Emirates, Captain A330/340
January 2003 - November 2006	Emirates, First Officer A330/340
February 1999 - December 2002	Swissair/Swiss, First Officer A320 and MD11
December 1997 - January 1999	Edelweiss Air, First Officer MD83
October 1993 - November 1997	Crossair, First Officer FK50 and BAE146

Professional Work and Academic Interests

My main professional work is presently in Dubai for Emirates Airline as a Captain and Type Rating Examiner on the Airbus A380. In this function I represent the Civil Aviation Authorities while conducting pilot proficiency checks and revalidation/renewal/issuance of type ratings. My license further incorporates the Type Rating Instructor license, through which I'm authorized to conduct any training on the Airbus A380. Such events are conducted in simulators and on the aircraft. My academic key interest is mainly in Human Factors, specifically in regards to safety-relevant issues. Valuable input has been derived from a collaborative exchange across different high-risk industries such as medical, oil and gas industry as well as insurance companies. These synergies support and equip peripheral and managerial staff in mitigating risks through tools and methods learned from Human Factors research.

Research Activities

- Co-advisor BSc thesis Pascal S. Pünter, HTW Chur, *The business model of Emirates Airline and its impact on European Legacy Carriers* (July 2015)
- MSc in Air Safety Management (suma cum laude), City, University of London, *Multi-national cockpit crews, threat or opportunity towards flight safety? A risk management study* (October 2016)
- Member of the assessment board for master dissertations (VIVAs), City, University of London (ongoing)
- Cross-industry research project *Does HTC-Vive 3D-VR increase the topographical anatomical knowledge of specific vascular cases in neurosurgical residents?*
Prof. Dr. med. Raphael Guzman, PD Dr. med. Gregory Jost, Dr. med. Davide M. Croci, Dr. med. Michel Roethlisberger (University Hospital Basel), Prof. Dr. Phillippe C. Cattin (University of Basel), Mark Roth (CFAC, University of St. Gallen), (2018)
- Book chapter *Interkulturelle Kommunikation im Team selbst (German)*, S+K Verlag (October 2019)
- Research Fellow of CFAC/University of St. Gallen

Presentations

- University Hospital Basel (CEO Dr. med. Werner Kübler, Prof. Dr. med. Stefan Schären, Prof. Dr. med. Raphael Guzman) *Human Factors issues in the surgery room and in hospitals*. Various forums (from December 2016 onwards)
- American Hospital Dubai (CEO Gary Petersen, CMO Dr. med. Aaron Han) *Lessons learned from aviation - a cross-industry exchange* (April 2017).

Lecturing

- Emirates Aviation University, Dubai (October 2015)
- ZHAW, Winterthur (March 2017)
- Surgical Grand Round, University Hospital Basel (March 2017)
- CFAC/University of St. Gallen, Risk Management, Zurich (March 2018)

Conference Speaker

- Global Spine Congress, Dubai (April 2016)
- BMB Congress Basel (November 2019)
- Interdisciplinary Conference, Singapore (December 2019)