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<b>Recent Work experience</b>	<b>September 2013 – Up to Date</b>
Occupation or position held	Associate Professor, Aviation Academy, Amsterdam University of Applied Sciences Expert in Simulation/ Optimization in Dynamic Systems
Dates	March 2011 – September 2013
Occupation or position held	Post-Doc Researcher, Sub-director of the Aeronautical Management studies, Universitat Autònoma de Barcelona; 08193 Bellaterra, Barcelona (Spain)
Dates	May 2005 – February 2011
<b>Personal skills</b>	<b>Languages: Spanish(MT), English, German, French and Catalan</b>
Publications in Journals and Books	<ul style="list-style-type: none"> <li>- Mujica Mota, Scala, accepted for Publication, August 2018, "Simulation of a Remote Runway Solution for a congested airport:Mexico City Airport", I. Journal of Simulation Process Modelling</li> <li>- Mujica Mota, Di Bernardi A., Scala P., Ramirez-Diaz G., 2018, "Simulation-based Virtual Cycle for Multi-level Airport Analysis", Aerospace, Accepted for Publication, April 2018</li> <li>- Mujica Mota, M., Flores I., 2018, "Revisiting the Flaws and Pitfalls using Simulation in the Analysis of Aviation Capacity Problems", Case Studies on Transport Policy, Accepted for Publication, March 2018</li> <li>- Mujica Mota, M., Boosten G., Zuniga C., 2017 "Time to Sweat the Assets? The analysis of two airport cases of restricted capacity in different continents", Discussion Paper 2017.26, International Transport Forum, OECD</li> <li>- Mujica, Boosten, DeBock, De Souza, Jimenez,2017, "Simulation-Based Turnaround Evaluation for Lelystad Airport", Journal of Air Transport Management, Vol. 64 (A), pp. 21-32 DOI:10.1016/j.jairtraman.2017.06.021</li> <li>- Scala, P., Mujica M., De Bock, 2017, "A divide and Conquer Approach for Simulating an Airport System", International Journal of Simulation and Process Modelling, Vol 12, No. 6, pp.470 – 484, DOI: 10.1504/IJSPM.2017.10010587</li> <li>- Scala, P., Mujica M., De Bock, 2016, "Modular Approach for the Modelling of an Airport System", International Journal of Simulation and Process Modelling</li> <li>- Mujica M., "Check-In allocation improvements through the use of a Simulation-Optimization Approach", Transportation Research Part A (2015), pp. 320-335</li> <li>- "An improved time-line search algorithm for manufacturing decision making", <i>International Journal of Production Research</i>. Taylor &amp; Francis</li> <li>- "Specification of CPN Models into MAS Platform for the modelling of Political Issues: FUPOL project", <i>International Journal of Simulation and Process Modelling</i>, March, Vol9 (3), 2014</li> <li>- "Revisiting State Space Exploration of Timed Coloured Petri Net Models to Optimize Manufacturing System's Performance", <i>Simulation Modelling Practice and Theory</i> vol.18(9) Oct 2010, pp.1225-1241, Elsevier</li> <li>- "A compact timed state space approach for the analysis of manufacturing systems: key algorithmic improvements", <i>International Journal of Computer Integrated Manufacturing</i>, vol.24(2),pp. 135-153, Feb 2011, Taylor &amp; Francis, ISSN: 0951-192X. I.F.1.120 Q3/Eng.Manuf.</li> <li>- Book Vol I &amp; II: "Applied Simulation and Optimization: In Logistics, Industrial and Aeronautical Practice", ISBN 978-3-319-15032-1, Springer.</li> <li>- Book: "Modelos de Simulación usando SIMIO y redes de Petri", UNAM editions, Mexico, 2013, ISBN 978-607-02-4689-0. Language: Spanish</li> <li>- Robust Modelling and Simulation: Integration of SIMIO with Coloured Petri Nets", Springer, Book, March 2017</li> </ul>

Miguel Mujica Mota is an associate professor at the Aviation Academy of the Amsterdam University of Applied Sciences in the Netherlands and the leader of the research group of applied simulation in aviation. He was previously the sub director of the aviation studies at the Autonomous University of Barcelona. He holds a PhD and a MSc. in industrial informatics from the Autonomous University of Barcelona and a PhD and MSc. in operations research from the National University of Mexico, all obtained with the highest honors. Dr. Mujica Mota has given several courses in modelling, simulation methodologies and optimization in many countries for industrial and academic audiences. He has participated in several international projects in which simulation and optimization were the key factors for the success of them.

Dr. Mujica holds the Level I of the Mexican Council of Science and Technology (SNI) where he also participates as a scientific evaluator for Latin America. He is the co-author of four books and numerous papers on simulation, operations research, aviation, manufacturing and logistics. His research interests lie in the use of simulation, modelling formalisms and heuristics for the optimization and performance analysis of aeronautical operations, manufacture and logistics.