

CURRICULUM VITAE

Personal information

Name/Surname **OLIVOTTO Constantin**

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Nationality Romana

Date of birth 29.09.1947

Sex male

Married - a daughter

University teaching experience

1. 1998- 2014 Associate Professor at the Department of Aeronautical Systems Engineering "Nicolae Tipei" of the "Politehnica" University of Bucharest, Faculty of Aerospace Engineering, Holder of the Flight Simulators Course.

2. 2014-currently Associate Professor at the Department of Integrated Aviation and Mechanical Systems at the MILITARY TECHNICAL ACADEMY "FERDINAND I", Master Courses – Aeronautical Systems Engineering. Course Holder for ADVANCED ELEMENTS OF FLIGHT DYNAMICS, STABILITY AND AIRCRAFT CONTROL and FLIGHT SIMULATORS

3. Teaching materials developed in time

- COURSE NOTES FOR ADVANCED ELEMENTS OF FLIGHT DYNAMICS, STABILITY AND AIRCRAFT CONTROL -e-book
- COURSE NOTES – SIMULATORS-e-book

PhD students ' management -UPB- Faculty of aerospace engineering – 3 PhD students, 1 completed

Tutor for master in avionics at UPB- Faculty of aerospace engineering – 20 students

4. Experience in scientific research

- **Position held from 2011 and currently** Senior Scientific Researcher first degree at INCAS,

Activities and responsibilities Senior Scientific Adviser
Leading and Participation in avionics projects, and project for simulation systems and pilot training.

Name and address of the employer INCAS, Iuliu Maniu, 220, Bucharest, Romania

- **Position held from 1992-2011** - General Manager of SIMULTEC S.A.-the most important flight simulators developer in Romania

Activities and Responsibilities Management of internal and international projects of avionics and training systems. (Around 10 complete flight simulators delivered)

Name and address of the employer SIMULTEC S.A., Măgurele, near Bucharest, Romania

- **Position held between 1989-1992** - Scientific Director of the Simulator Center - affiliate to the Institute for Aviation Bucharest,

Activities and responsibilities Senior Scientific Researcher first degree
Management of internal projects of avionics and development of military flight simulators for airplanes and helicopters.

Name and address of the employer Aviation Institute, Iuliu Maniu, 220, Bucharest, Romania

- **Position held between 1987-1989** - Head of Simulators Department and Program Director for the first Airplane Simulator in Romania.

Activities and responsibilities Program Director at 3 types of flight simulators

Name and address of the employer Institute for Aviation, Magurele Platform, Bucharest, Romania

- **Position held between 1982- 1987** Head of Laboratory for Simulators and Head of The Prototype Execution Department, Scientific Researcher 3,

Activities and Responsibilities Coordinating and Directing projects of avionics and simulators.

Name and address of the employer INCREST, Iuliu Maniu, 220, Bucharest, Romania

- **Position hold between 1972- 1982** Scientific Researcher

Activities and responsibilities	Team leader for aerodynamic measurements, and experiments in subsonic wind-tunnel
Name and address of the employer	INCREST, Iuliu Maniu, 220, Bucharest, Romania

Position hold between 1970- 1972	Engineer
Activities and responsibilities	Research assistant,
Name and address of the employer	IMFCA, Iuliu Maniu, 220, Bucharest, Romania

5. Education and training

-1994, New methods in marketing and management, Course organized by the University of Hertfordshire and held in Bucharest.

-1993, Two internships in Paris, France at S.A.E. company for training aviation personnel, Courses for the management of large-scale projects, economic management of new projects and / or companies.

-1993 Internship in England, Course and practice of simulator management, subsidized by the British Government, know-how fund, for Central and Eastern Europe.

-1979-1972, PhD – Title obtained at the Polytechnic University of Bucharest in Aerodynamics and Coanda Effect - General Scientific Coordinator (r) Professor Dr. Ing. Florin ZAGANESCU.

-1965-1970, Bachelor and Master's degree at the Politehnica University of Bucharest, Faculty of Automatic Control, diploma project marked with excellent and with recommendation for scientific research.

1961-1965 High school at Saint Sava College - Bucharest

6. R&D Project Experience

Experience in Romania

-Management of 4 projects with international collaboration,
-15 years in management of simulators projects for various types of aircrafts ,
-5 training systems for pilots developed and installed in 8 years
- 120 studies, project, and scientific papers

International experience

- project manager for an UNDP project

--program director for Romania in a COPERNICUS -IMPETUS project initiated by the European Community regarding the simulation of navigation on the Danube in monitoring conditions - the study of the links and fluidity of the passage at regional level (countries involved in the project: Belgium, Greece, Romania, Czech Republic, Bulgaria)

7. Competences and major area of interests

- MODELLING AND SIMULATION

* First Romanian Simulator for Air plane
* First Romanian flight simulator with motion system and electronically generated image (Head of Project)

* Energy conversion modeling
* Evaluation of training methods according to human resources
* Implementation of theoretical models into real life situations
* Complex systems modeling and analysis.

- ANEMOMETRY- CONTROL SYSTEMS,
- INSTRUMENTATION AND MEASUREMENTS FOR WIND-TUNNELL
- AERODYNAMICS AND FLUID MECHANICS

Patent obtained

Patent nr. 56515 / 01.11.1972 obtained in Romania.
"Transistorized Hot-Wire Anemometer for industrial measurements" - authors: Olivotto Constantin, Filip Ovidiu.

8. **MOTHER TONGUE** [Romanian]

OTHER LANGUAGES
English
• Reading skills [excellent,]
• Writing skills [excellent,]
• Verbal skills [excellent]
French
• Reading skills [excellent,]
• Writing skills [good,]
• Verbal skills [excellent]
Italian
• Reading skills [excellent,]
• Writing skills [good,]
• Verbal skills [excellent]

9. Significant published works

1. " Simulators and Training Systems Somewhere in East - Realities, Demands and the Future". -20 pages. - author dr.C.Olivotto- 3 rd. - International Training Equipment Conference and Exhibition Proceedings - Luxemburg - April - 7 -11 - 1992.

2. “Simulatoarele in etapa actuala-Trecerea de la antrenament la metode de antrenare”-10 pag-autor :dr.ing.C.Olivotto, AMSE-Filiala Romania –Bucuresti ,10-11 noiembrie 1993.

3. “A Simple Solution for Monitoring and Simulation in Environmental Protection in Chemical Plant”-ITEC-Proceedings -35 pag -author :dr.ing.C.Olivotto,La Hague -Netherlands,April,1994.

4. “Sisteme de antrenament pentru Aviatie si Aparare Antiaeriana,-18 pag.-autori:dr.ing.C.Olivotto,ing.Adrian Iacob,ing.Cristian Botea -Sesiunea de comunicari tehnico-stiintifice a Statului Major al Aviatiei si Apararii Antiaeriene-Bucuresti-4.11.1994

5. “The Training Equipment in a Pilot-School Modernisation-Flight Simulation, Technologies,Capabilities and Benefits-30 pag - author: Dr. Constantin Olivotto,17-18 may Conference-London Royal Aeronautical Socity-1995.

6.“Monitoring system for over temperature detection of water cooled rotor pales on hydro-electrical generators installed at the Danube River IRON-GATE Power station”authors: Dan Varduca ,Constantin Olivotto ,Horia Selegean,-IECEC-97, Wasinhon, SUA.

7.“”FDR data as a source for flying events visualisation and aircraft parameter estimation””-authors: Cornel OPRISIU, Nicolae APOSTOLESCU, Constantin OLIVOTTO, Simion TATARU, INCAS BULLETIN, VOLUME 4 , ISSUE 3 , July – September 2012, BUCHAREST , Romania

8.“” IAR-XT/New Generation”' authors: Simion TATARU, Constantin OLIVOTTO, Vasile STEFAN, INCAS BULLETIN, VOLUME 4 , ISSUE 1, January – March 2012, BUCHAREST , Romania

9.””CERTIFICATION - The final and critical stage of every civil or military aviation program”” Constantin OLIVOTTO, Simion TATARU, Vasile STEFAN, INCAS BULLETIN, VOLUME 3 , ISSUE 2, January – March 2012, BUCHAREST , Romania

10. Fluidic elements based on the Coanda effect, C Olivotto - Incas Bulletin, 2010,

11. Permanent and priority in aeronautical research Romanian- C Olivotto - NOEMA, 2019 - ceeol.com

12. MILITARY TRAINING AIRCRAFT BINOMIAL - PRESENT AND FUTURE SIMULATOR, communication by Constantin OLIVOTTO, CCIZ Conference - workshop on research and testing topics for aviation equipment, organized by the Scientific Research Center for Flight Tests, on the occasion of the 40th anniversary of its establishment.