

LIBIS NATAN - Curriculum Vitae

Family Name : Libis
First Name : Natan
Citizenship : Israeli
Identity Card No. : 017428723
Date of Birth : July 2, 1960
Place of Birth : Bogota, Colombia
Marital Status : Married + 3
Language Proficiency : Spanish, Hebrew, English
Home Address : 54/4 Meir Golda St., Haifa 3498256, Israel
Tel: (972) 4-8111530
Libisnatan@gmail.com
Office Address : RAFAEL, P.O.Box 2250 - M1
Acre road, Industrial zone, Tzur Shalom, Kiriath
Bialik, Israel.
Phone: +972-4-8793167
Haifa 31021, Israel
Tel: (972) 4-8793167
Fax: (972) 4-8792902

Education

High School : Colegio Colombo-Hebreo, Bogota
(1977)

B.Sc : Technion – Israel Institute of Technology
Faculty of Aeronautical Engineering, Haifa
(1983)

M.Sc : Technion – Israel Institute of Technology
Faculty of Aeronautical Engineering, Haifa
(1988)
“Investigation of Coal Particles Combustion
Process in Opposed Jet Flow”

D.Sc : Technion – Israel Institute of Technology
Faculty of Aerospace Engineering, Haifa
(1992)
“Development of a Pulse Ramjet Based on Twin
Valveless Pulse Combustors Coupled to
Operate in Antiphase”

Awards

Prize of Excellence in Teaching as Assistant Lecturer

Prize of the Rina & Sharga Army Foundation For Outstanding Research, 1991

RAFAEL PRIZE 2001- Excellence in Research and Development

RAFAEL PRIZE 2007- Outstanding Solution

Teaching Experience

Assistant Lecturer
“Turbo-Jet Engines”
Technion – Israel Institute of Technology
Faculty of Aerospace Engineering,
Haifa (1988-1992)

External Lecturer
“Topics in solid propulsion”
Technion – Israel Institute of Technology
Faculty of Aerospace Engineering,
Haifa (2007, 2015, 2017)

Current position

Head of propulsion department (solid rocket propulsion, air breathing systems, space propulsion).

Employment record

RAFAEL, Haifa, Israel: Chief engineer, propulsion department
(2012-2017)

RAFAEL, Haifa, Israel: Head of tactical motors section, solid rocket motors department
(2003-2012)

The Pennsylvania State University, State College, PA 16802, Research Visitor at the High Pressure Laboratory, Prof. Kenneth K. Kuo
(2002-2003)

RAFAEL, Haifa, Israel: Group leader of R&D team at the solid rocket propulsion section of the propulsion and explosives department
(1997-2002)

RAFAEL, Haifa, Israel: Research, development and testing engineer at the solid rocket propulsion section
(1992-1997)

Publications

Libis, N., Hazanov, Z., Goldman, Y., and Greenberg, J.B., “ Coal Particle Behavior in a Counter-Current Combustor”, Technion Israel Institute of Technology, Dept. of Aeronautical Engineering, TAE No. 606, January 1987.

Libis, N., “Investigation of Coal Particles Combustion Process in Opposed Jet Flow”, M.Sc. Thesis, Faculty of Aerospace Engineering, Technion – Israel Institute of Technology, Haifa, May 1988.

Libis, N., Goldman, Y., and Greenberg, J.B., :On the Peregrinations of Coal Particles in a Counter-Current Combustor”, Fifth Annual Meeting of the Israeli Section of the Combustion Institute, Technion, Haifa, April 6, 1989.

Libis, N., and Goldman, Y., “Development of a Pulse Ramjet Based on Twin Valveless Pulse Combustors Coupled to Operate in Antiphase”, 32nd Israel Conference on Aviation and Astronautics, Tel-Aviv, February 1992.

Libis, N., “Development of a Pulse Ramjet Based on Twin Valveless Pulse Combustors Coupled to Operate in Antiphase”, D.Sc. Thesis, Faculty of Aerospace Engineering, Technion – Israel Institute of Technology, Haifa, August 1992.

Evans. B., Risha. A. G., Favorito. N., Boyer. E., Wehrman. B. R., Libis. N., and Kuo. K. K., "Instantaneous Regression Rate Determination of a Cylindrical X-Ray Transparent Hybrid Rocket Motor", 39th AIAA/ASME/SAE/ASEE Joint Propulsion Conference and Exhibit, July 2003, Huntsville, AL