

## ELIEZER NAHMANI - CURRICULUM VITAE

### Personal

Name: Eliezer Nahmani  
Date of Birth: September 7<sup>th</sup>, 1966  
Place of Birth: Sederot, Israel  
Marital status: Married, 3 children  
Nationality: Israeli  
Languages: Hebrew - Mother tongue, English - Fluent



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### Summary

I am a research member in the reactor team of the mechanical development department, at the Nuclear Research Center - Negev (NRCN).

I have experience in R&D topics, complicated process design, development and implementation.

I am conducting R&D on nuclear fuel mechanics.

I have made a detailed improved design of the shim arm mechanism (Reactor control rod and shutdown system) of the NSBR, at my previous sabbatical leave at NIST MD. USA.

### Education

**1999:** M.Sc. in Mechanical Engineering at Ben-Gurion University of the Negev, Beer-Sheva, Israel.

Final Work subject: "Manipulability of Stuart Platform Mechanism's", directed by Prof. Vladimir Portman.

**1993:** B.Sc. in Mechanical Engineering at Ben-Gurion University of the Negev, Beer-Sheva, Israel.

Major: Strength of materials, Heat Transfer, Manufacturing process.

## Employment

- 2016-Present:** NRCN - Head, Core and fuel team of the mechanical development department.
- 2011-2016:** NRCN - Research member of the reactor team of the mechanical development department.
- 2009-2010:** NIST-NCNR - Guest researcher. Designing improvements in the shim arm mechanism (Reactor control rod and shutdown system) of the NSBR, and building a demonstration prototype.
- 2006-2009:** NRCN - Project Manager – "Transporting System for Hazardous Materials". Design, build, and test packages and vessels for shipment and storage of radioactive materials, according to IAEA standards.
- 2004-2006:** NRCN - Head, Group in the Department of Engineering Development. Lead and direct designers and design work dealing with transporting, shielding and vacuum vessel systems.
- 2002-2004:** NRCN - Mechanical design work using calculation and engineering tools with mathematical software analysis. Compute strength of materials, Examine suitability of designs to enhance rapid and low cost manufacturing.
- 1993-2001:** NRCN - Mechanical Engineer at the main manufacturing plant of NRCN.

## Fields of Interest

- Hydraulic reactor systems
- Nuclear fuel fabrication.
- Mechanical and hydraulic Reactor control rods and shutdown system tests.

### Main Additional Courses

Solar Energy, Ben-Gurion University of the Negev, Israel, 2013

FEM Stress and Strain Analysis, NRCN, 2003

Structure Stability, BGU, 2002

CAD-CAM Tools, Cad-Tech, Israel, 1996

Project Management, Israel, 1995

Advanced Course in Material Strength, BGU, 1992