



הוועדה לאנרגיה אטומית
ATOMIC ENERGY COMMISSION

NUCLEAR RESEARCH CENTER NEGEV
POB 9001 BEER-SHEVA ISRAEL

הקרייה למחקר גרעיני - נגב
ת.ד. 9001 באר-שבע

February 19th , 2020

To:

Dr. Paul Brand
NIST
U.S.A.

Dear Dr. Brand ,

On behalf of the Professional Staff Promotion Committee at NRCN, I would greatly appreciate receiving your advice and assistance in the following matter. **Mr. Eliezer Nahmani** is currently under consideration for promotion to "A" Research Grade at NRCN. The candidate's Curriculum Vitae and list of publications are enclosed.

Evaluations from scholars outside our institution are an essential component of a candidate's dossier. We would therefore welcome your detailed opinion on the quality of **Mr. Eliezer Nahmani** research, its depth, originality and the degree to which it represents a contribution to the field.

It may help if, in making your evaluation, you would take into account the structure of ranks at NRCN: C, B, A and A+, that are roughly equivalent to Lecturer, Senior Lecturer, Associate Professor and Full Professor at Israeli universities. We would also like to emphasize that some of the research and development work at NRCN is proprietary. We would therefore appreciate if you could base your evaluation on the quality of the candidate's work and not on its overall quantity.

If you happen to know the candidate personally, we would be grateful for your opinion on his character, cooperation with colleagues and administrative abilities.

We realize that providing the evaluation would entail investment of your precious time and effort, but hope that we can impose on you for assistance in this matter. We would appreciate receiving your response by March 19th 2020, if possible. Your letter will become part of **Mr. Eliezer Nahmani** file and will be held in the strictest confidence.

Yours Sincerely,

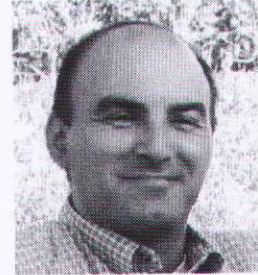
Dr. Ohad Levy

Chair, Professional Staff Promotion Committee

ELIEZER NAHMANI - CURRICULUM VITAE

Personal

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



Office Address

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Email: Lnahmani@gmail.com

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