



הועדה לאנרגיה אטומית
ATOMIC ENERGY COMMISSION

NUCLEAR RESEARCH CENTER NEGEV
POB 9001 BEER-SHEVA ISRAEL

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

Sept. 01th 2019

Prof. John Luxat

Luxatj@mcmaster.ac

Dear Prof. Luxat,

On behalf of the Professional Staff Promotion Committee at NRCN, I would greatly appreciate receiving your advice and assistance in the following matter. **Mr. Alexander Shlomo (Shlomi) Schneider** is currently under consideration for promotion to "C" 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. Alexander Shlomo (Shlomi) Schneider** 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 Oct. 06 2019 if possible. Your letter will become part of **Mr.Schneider** file and will be held in the strictest confidence.

Yours Sincerely,

Dr. Ohad Levy
Chair, Professional Staff Promotion Committee

Curriculum Vitae

Personal Info

Full Name: Alexander Shlomo (Shlomi) Schneider.

Date of Birth: July 17th 1988.

Marital Status: Bachelor.

Address: Be'er Sheva, Israel.

Phone Number: +972-8-656-7201.

Email: schneider.shlomi@gmail.com

Education

2013 – 2015: **M.A.Sc in Engineering Physics (Nuclear Engineering branch)**, McMaster University, Hamilton ON, Canada.

- Research Area: Analysis of Postulated Draining Accidents in the McMaster Nuclear Reactor.
- Supervisor: Prof. John C. Luxat.

2005 – 2008: **B.Sc. in Physics**, Tel-Aviv University, Israel.

Work Experience

2015 – : **Safety, Licensing and Risk Assessment Engineer**, Safety Division, NRCN:

- Safety analysis and risk assessments in support of reactor and radiation safety.
- Training of personnel on health physics and radiation safety.

2008 – 2013: **Emergency Response Coordinator**, Dept. of Safety and Security, IAEC:

- Health physics and dosimetry.
- Atmospheric dispersion modeling.
- RDD preparedness: properties of radioisotopes dispersed by explosives.
- Management of exercises involving large groups of participants.
- Training of emergency personnel on radiation monitoring, radiological risk assessment and health physics.

Courses and Advanced Studies

- 2017 FJOH Summer School – "Uncertainties in Nuclear Reactor Systems Analysis: Improving Understanding, Confidence and Quantification"
- Fire safety consultant course, Israel
- Training in reliability and safety calculations using the RAM COMMANDER software package, ALD headquarters, Israel:
 - Introduction to reliability concepts and calculations
 - Introduction to RAM COMMANDER
 - Building fault trees and event trees in RAM COMMANDER
- Workplace Safety Supervisors course by the IIOSH, Israel:
 - Safety requirements mandated by Israeli law and international standards
 - Occupational, industrial and chemical safety
- Consequence Management course by the US DOE FRMAC, SNRC, Israel:
 - Advanced methods for dose assessment to the public in radiological events.
 - DOE and IAEA guides and tools for performing dose assessments to the public and consequence management for extended time spans.
- Radiation Safety Supervisor course by the SNRC, Israel:
 - Israeli guides and regulations for radiation workers.
 - Guides for working with radioactive materials in class C laboratories.

Publications

- **A. S. Schneider, N. Yair**, "A Review of Safety Analysis Philosophies for Nuclear Reactors", ASME Journal of Nuclear Engineering and Radiation Science, 3(3), May, 2017.
- **A. S. Schneider**, "Analysis of Postulated Draining Accidents in the McMaster Nuclear Reactor", Master's Thesis, McMaster University, 2015.

Conference Presentations

- **A. S. Schneider, J. C. Luxat**, "Single Phase and Two Phase Natural Convection in the McMaster Nuclear Reactor", NURETH conference proceedings, Chicago, 2015.

Poster Presentations

- **A. S. Schneider, J. C. Luxat**, "Estimation for Onset of Boiling in the McMaster Nuclear Reactor Core After Shutdown", Student Poster, PBNC conference, Vancouver, 2014.