

CURRICULUM VITAE**1. PERSONAL DETAILS**

Name	Frage Naum
Date of birth:	06. 01.1947
Country of birth	USSR, Zlatoust
Address	Ben David Yoseph 6, Beer-Sheva
Telephone	08-6495330 (h), 08-6461468 (w)
Marital status:	married +2
Date of repatriation	June 10, 1993

2. EDUCATION

1970. M. Sc. in Electrometallurgy of Steels, Chelyabinsk Polytechnic Institute.
1974. Ph.D. in Electrometallurgy of Steels. Siberian Institute of Metallurgy, Novokuznetsk. "Interaction of titanium nitride with liquid metals and oxides" Advisor Prof. Gurevich Yu. G.
1989. D.Sc. (Dr. Hab.) in Powder Metallurgy and Composite Materials. Institute of Materials Science, Ukrainian Academy of Sc., Kiev. "High Temperature Interaction of Titanium Based Refractory Compounds (TiN, TiC_x, TiC_xN_y) with Metallic and Oxide Systems. Ceramic Matrix and Metal Matrix Composites".

3. EMPLOYMENT HISTORY

- 1.10.2018 Professor Emeritus, Department of Materials Engineering,
30.11.2016 Full Professor, Department of Materials Engineering
30.09.2018 Ben-Gurion University of the Negev
10.2016 Head of the Department of Materials Engineering,
10.2010 Ben-Gurion University of the Negev
04.2008- Full Professor, Department of Materials Engineering
09.2010 Ben-Gurion University of the Negev
10.2000- Associate Professor, Department of Materials Engineering,
10.2005 Ben-Gurion University of the Negev
10.1997- Visiting Professor, Department of Materials Engineering,
10.2000 Ben-Gurion University of the Negev
1994-1997 Investigator, Department of Materials Engineering,
Ben-Gurion University of the Negev
1983-1993 Head of Dept. of Metallurgy, Chelyabinsk Technical University
Since 1990 Professor of Metallurgy, Chelyabinsk Technical University
1974-1983 Associate Professor, Machine Building Institute, Kurgan
1970-1974 Assistant, Dept. of Metallurgy, Chelyabinsk, Polytechnic Institute

4. EDUCATIONAL ACTIVITIES**4.1. COURSES TAUGHT**

1. Processes (Undergraduate level)
2. Ceramic Materials (Undergraduate level)
3. Structure and Properties of Advanced Ceramics (Graduate level)
4. Thermodynamics of Multicomponent Solutions and their Application to the Analysis of Phase Equilibrium in Systems of Practical Importance (Graduate level)
5. Surface Engineering at Elevated Temperature (Graduate level)

4.2. RESEARCH STUDENTS

SUPERVISION OF 10 completed Ph. D. studies.

SUPERVISION OF 40 completed M.Sc. studies.

5. OTHER DUTIES AND ACTIVITIES

8.1 Referee of scientific foundations:

8.1.1. United States - Israel Binational Science Foundation.

8.1.2. German-Israel Foundation for Scientific Research and Development.

8.1.3. Israel Science Foundation

8.2 Member of International advisory board of the International Journal "Metallurgy and New Materials Research"

6. HONORS AND AWARDS

1. First Prize for Young Scientist of Machine Building Institute, Kurgan, 1976
2. First Prize for Young Scientist of Machine Building Institute, Kurgan, 1978
3. Excellence in Higher Education of USSR, 1987.
4. Received medal "Inventor of USSR" Governmental Committee of Discoveries and Inventions, former USSR, 1985.
5. Medal in recognition of the role-played in the development of the Carbide-Steel Composites. Issued by National Exhibition Com., former USSR, 1990.
6. Medal from Institute for Material Science, Academy of Science, Ukraine, 2017

7. FIELDS OF SCIENTIFIC EXPERIENCE

1. Metal-matrix (MMC) and ceramic-matrix (CMC) composites. Processing, microstructure and properties. Methods: infiltration of porous ceramic bodies with liquid metals, liquid phase sintering, reaction bonding
2. Wetting and interface interactions: metal/ceramic systems.
3. Fabrication, properties and applications of the transparent polycrystalline ceramics by Spark Plasma Sintering.
4. Thermodynamic analysis of the multicomponent and multiphase systems based on ceramic phases (carbides, nitrides, oxides) and metallic solutions.
5. Additive manufacturing by SLM and EBM approaches.

8. LIST OF PUBLICATIONS

More than 250 publications in International Journals.