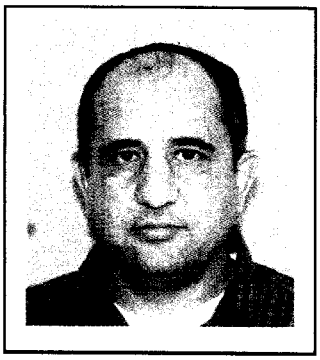
CV



10/31/2018
Isaac Itzchak Dahan
Born: December 26, 1960
Citizenship: Israeli
Address: NRCN, P.O.Box 9001, Beer-Sheva, Israel
Tel: 972-8-6567995, Fax: 972-8-567785
Email: idahan60@gmail.com

Education:

1988 Department of Materials Engineering, Ben-Gurion University Beer-Sheva, Israel: **B. Sc** in Materials Engineering.

1995 Department of Materials Engineering, Ben-Gurion University Beer-Sheva, Israel: **M. Sc** with distinction. Thesis title: " Characterization and Investigation of Al-6061/Al-1050 Electron Beam Welded Joint".

1996 Department of Management, Ben-Gurion University Beer-Sheva, Israel: **M. Sc** in Industry Management.

2005 Department of Materials Engineering, Ben-Gurion University Beer-Sheva, Israel: **Ph.D**. Thesis title: "Compositionally Graded and Multilayered (Ti/TiC) Coatings Deposited by Magnetron Sputtering".

Military service:

1978-1985: Service as a Ship commander in the Israeli Navy (Captain)

Employment and experince:

1988-1992: Research Engineer at Nuclear Research Center Negev, Beer-Sheva, Israel

1992-1998: Head of Microscopy and Thin film section at Nuclear Research Center Negev, Beer-Sheva, Israel

1998-1999: Year sabbatical in Colorado School of Mines, Golden, Co.

1999-2000: senior researcher at Nuclear Research Center Negev, Beer-Sheva, Israel

2000-2008: Head of characterization and Materials R&D department at Nuclear Research Center Negev, Beer-Sheva, Israel

2008-2012: Head of Metallurgy department at Nuclear Research Center Negev, Israel

2012-2013: Year sabbatical in Colorado School of Mines, Golden, Co. and in Ben-Gurion University, Israel.

2011-today: Guest researcher, department of materials, Ben-Gurion University, Israel.

2013- today: Head of special R&D projects Division.

Sabbaticals:

1998-1999: Year sabbatical in Colorado School of Mines, Golden, Co. The subject: "TEM characterization of thin solid films".

2012-2013: Year sabbatical in Colorado School of Mines, Golden, Co and in Ben - Gurion University, The subject: "TEM characterization of thin solid films of tribology surfaces".

Teaching Experience:

1986-1987: physics teacher at high school, Arad, Israel.

Prizes

Co member of "Israel Defense Prize"
High remark for R$D project
Excellent presentation in MRS conference
The international prize of "Granjon" for welding thesis

Grants as a PI

2016-2018: Pazi Foundation grant: "Towards full microstructural characterization of inorganic materials".

2014-2017: Pazi Foundation grant: "Radiation-induced structural changes in complex intermetallic phases"

2006-2011: Vatat Foundation grant: "Microstructure of Uranium alloys".

2005-2008: Vatat Foundation grant: "Residual stresses in metals".

2002-2005: Vatat Foundation grant: "Wetting phenomena in ceramics materials".

2001-2005: Vatat Foundation grant: "Microstructure, residual stresses and weldability of welding materials".

Grants as a Co researcher

2011-2015: Vatat Foundation grant: "Precipitation kinetics in high strength steels ".

2010-2014: Vatat Foundation grant: "Thermodynamic calculation in multi-phase system".

2008-2012: JRC and IAE Foundation grant: "ODS alloys".

2002-2005: Vatat Foundation grant: "TEM characterization of Uranium alloys".

1999-2003: Vatat Foundation grant: "Joining by SHS reaction".

Academic activity

- Supervision of research students
  2003-2016: Co-advisor of 4 M.Sc. students, Ben-Gurion University.
  2007-2017: Co-advisor of 16 undergraduate students (final research project), Ben-Gurion University.
- Referee of 5 M.Sc. dissertations, Ben-Gurion University.
- Article reviewing for the following journals:
  Thin films
  Surface and coatings technology

Membership in professional societies:

The Israeli Metallurgical Society.

The Israeli Microscopy Society.

The Israeli Welding Society.

Materials Research Society (MRS).

The Minerals & Materials Society (TMS).

Main fields of interest

- Fundamentals aspects of materials (metals, composites, ceramics) microstructure, deformation mechanisms,
- Characterization of microstructure and physical properties of materials
- Research of thin films : deposition and characterization
- Metallurgical of metals
- Welding of Aluminum and Magnesium alloys