Dr. Danielle Schweke – Curriculum Vitae

Personal

- Born: December 5, 1978, Paris, France.
- Family Status: Married, 7 children
- Address: Department of physics, Nuclear Research Center Negev (NRCN), POB 9001, Beer Sheva, Israel. Tel: 972-8-6568785 (work); 972-50-6239143 (mobile) ; e-mail: danielas@nrcn.gov.il.

Education:

- 2001-2006: PhD in Chemistry from the Hebrew University of Jerusalem, under the supervision of Prof. Y. Haas.
  Thesis subject: "Intra-molecular charge transfer processes in Molecular Systems".
- 1999-2001: MSc in Chemistry, (Cum Laude) from the Hebrew University of Jerusalem.
- 1997-1999: BSc in Chemistry, (Cum Laude) from the Hebrew University of Jerusalem.

Professional Experience

- 2018-Current: Head of the Chemical and Metallurgical Physics Laboratory, Department of Physics, NRCN, Israel
- 2017-2018: Visiting Research Scholar in Prof. S. Hayun's laboratory, Department of Materials Engineering, Ben-Gurion University of the Negev.
- 2011-2017: Head of the Chemical Physics Laboratory, Department of Physics, NRCN.
- 2006-2011: Research Staff Member, Department of Physics, NRCN.
- 1999-2006: Teaching and research assistant, School of Chemistry, Hebrew University of Jerusalem.

Awards and Scholarships

- 2016: Award for excellent Research, NRCN.
- 2006-2012: Katzir research scholarship.
- 2001-2205: Scholarship for excellent students, Hebrew University of Jerusalem.
- 2001-2202: Rector prize for MSc students, Hebrew University of Jerusalem.
- 2001: Golda Meir reward, Hebrew University of Jerusalem.
- 2000: Vanda Le'her fund prize, Hebrew University of Jerusalem.

Academic Activities

- **Grants**

-2012-2016- PI in "Nanometric study of correlations between hydride nucleation and surface strain of lanthanides", Pazy fund foundation.

-2017-2020- co-PI in "Multi-scale modeling of surface oxidation processes", Pazy fund foundation.

-2020-2024- PI in "Understanding the effect of doping by trivalent and pentavalent cations on the surface activity of ceria", Pazy fund foundation.

- 2021-2025: co-PI in "Unravelling the role of hydridic hydrogen in cerium oxide in the catalytic hydrogenation of alkynes", Pazy fund foundation.

- **Review of scientific publications**

Review of scientific papers submitted to publication in the journals: "Physical Chemistry Chemical Physics" of RSC, "Energy and Fuels" of ACS, "International Journal of Hydrogen Energy" of Elsevier.