

Dr. Baran Eren

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EDUCATION AND ACADEMIC POSITIONS

Senior Scientist in the Dept. of Chemical and Biological Physics, Weizmann Institute of Science, 2017-present

Postdoc in Materials Sciences Division at Lawrence Berkeley National Laboratory, 2014-2017

Groups of Prof. Miquel Salmeron and Prof. Gabor A. Somorjai

PhD in Experimental Physics of Condensed Matter at University of Basel, 2009-2013

Thesis: Effects of Hydrogen Plasma Treatment on the Electronic, Optical, Mechanical and Chemical Properties of Mo, Rh, Au, HOPG and Graphene

Group of Prof. Ernst Meyer

MSc in Micro-Nano Systems at ETH Zurich, 2007-2009

BSc in Mechanical Engineering at Bosphorus University, Istanbul, 2003-2007

RESEARCH INTERESTS

Surface and interface physics/chemistry, development of novel methods in x-ray, optical, electron spectroscopies and proximity probe microscopies for surface and interface physics/chemistry, combining and coupling microscopy with spectroscopy

RESEARCHER STATISTICS

40 peer-reviewed papers (22 first author papers including Science and 3 JACS), h-index: 18, total citations: 805 (source: google scholar). 24 invited talks in conferences, workshops, or in seminars.

AWARDS

Zuckerman STEM Leadership, Faculty Scholar (2018-2020)

Incumbent of the Alvin and Gertrude Levine Career Development Chair (2018-present)

Swiss National Research Foundation's Early Postdoc Mobility fellowship (Jan 14- Jun 15)

Summa Cum Laude (PhD Thesis grade)

COMMUNITY WORK

Peer-Review

Journal submissions: Science (1), J. Am. Chem. Soc. (1), J. Phys. Chem. C (4), J. Phys. Chem. Lett. (2), ACS Catal. (2), ChemComm (1), Nano Research (1), Ultramicroscopy (1), Surf. Sci. (1), Catal. Today (1), Topics Catal. (1), Beilstein J. Nanotech. (2), J. Nucl. Mater. (1), Phys. Chem. Chem. Phys (1), ACS Appl. Mater. Interfac. (1), ACS Appl. Nanomater. (1), ACS Appl. Energy Mater. (1).

Grant applications: ISF Bikura Individual Grants – 556k NIS (1), ACS Petroleum Research Funds – 130k USD (1), Frontiers Research in Chemistry Foundation – 100k EUR (1)

Organized Symposia and Workshops

3- 'Ambient Pressure Spectroscopy in Complex Chemical Environments' at the ACS Annual Fall Meeting, August 2020 in San Francisco: **2-day symposium** in the Catalysis Division together with Ashley Head (Brookhaven National Laboratory) and Slavomir Nemsak (Lawrence Berkeley National Laboratory)

2- 'Surface Chemistry of Catalytic Systems' at the Weizmann Institute, June 2020: **5-day workshop** together with Elad Gross (Hebrew University of Jerusalem). Applied to register as an IUVESTA workshop.

1- 'Ambient Pressure Spectroscopy in Complex Chemical Environments' at the ACS Annual Fall Meeting, August 2019 in San Diego: **2-day symposium** in the Catalysis Division together with Ashley Head (Brookhaven National Laboratory)

LANGUAGES

Turkish, mother tongue

English, fluent

German, fluent

French, beginner

Hebrew, beginner