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The 18th Israel Materials
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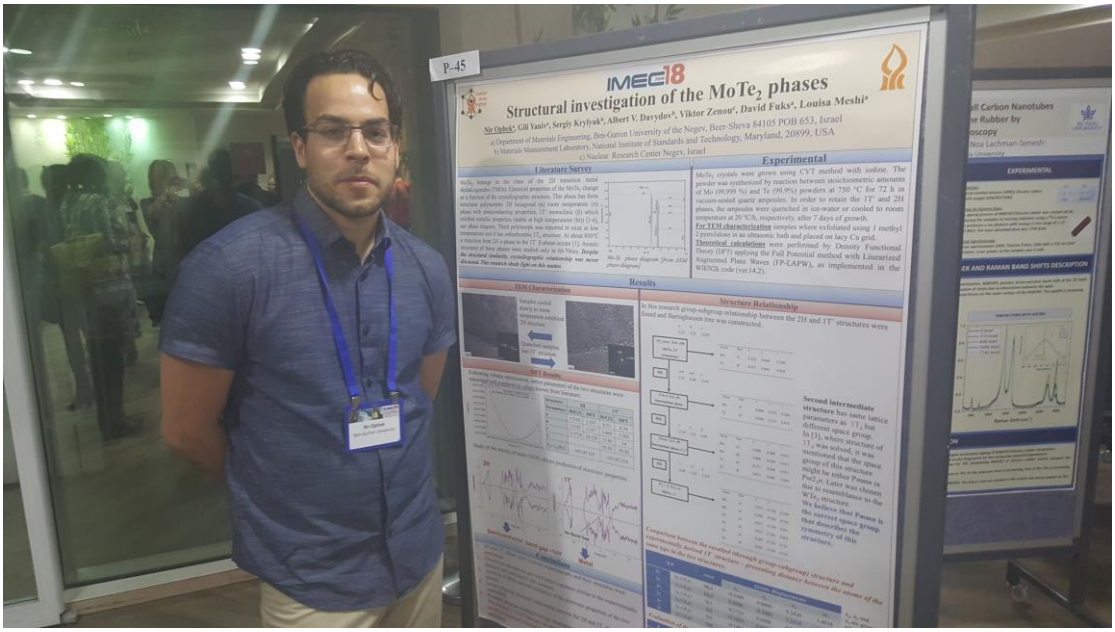
February 6-8, 2018
Leonardo Club Hotel Dead Sea, Israel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Structural investigation of the MoTe2 phases
Experimental
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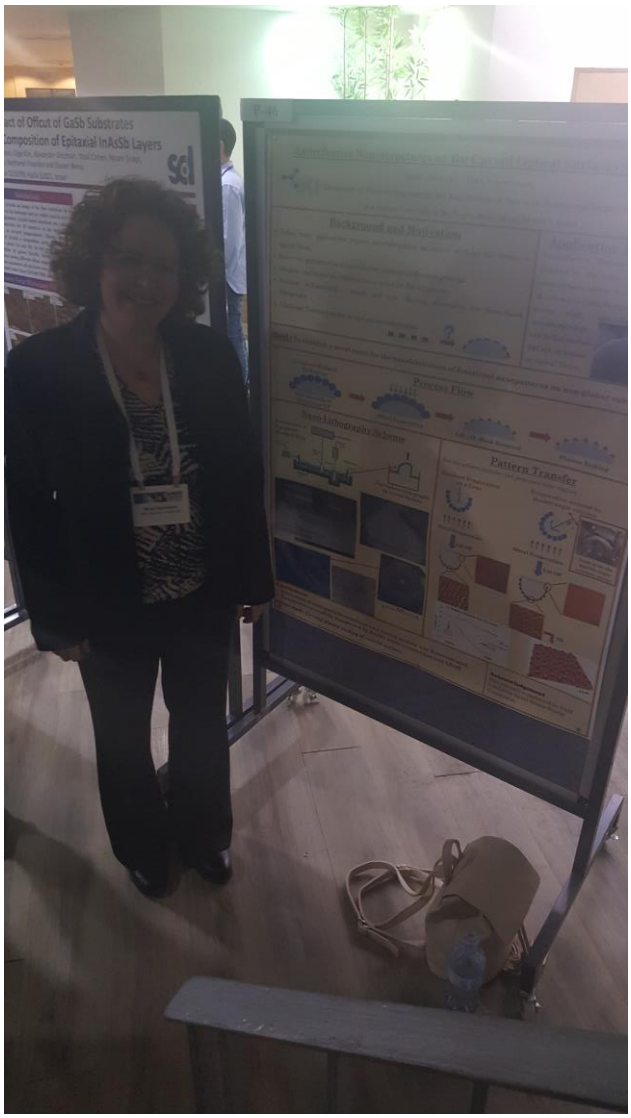
Structure Relationship


Background and Motivation
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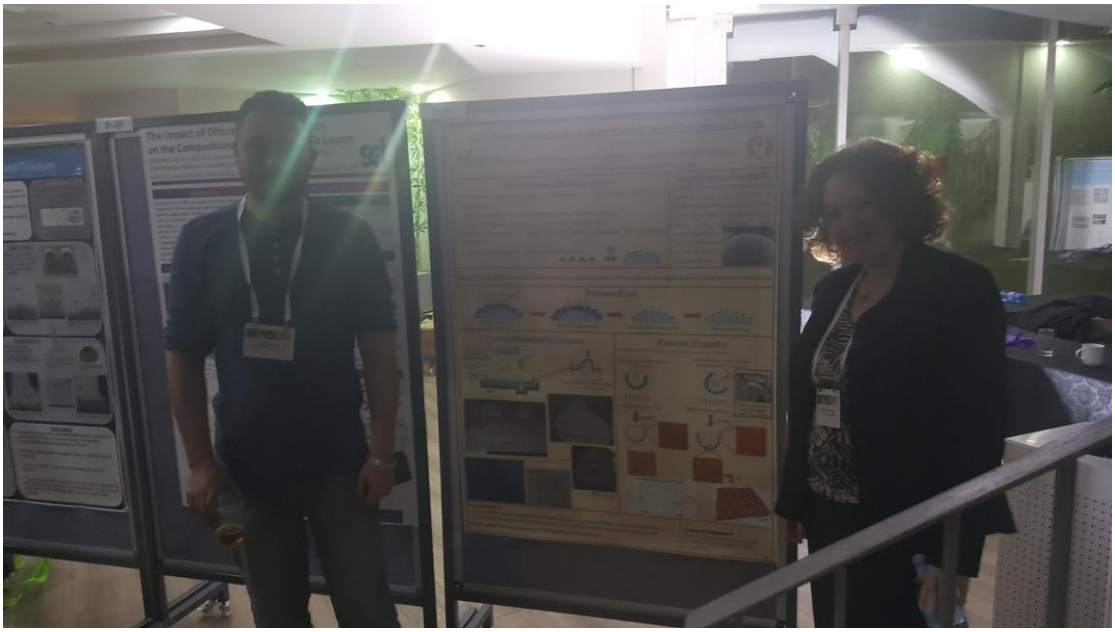
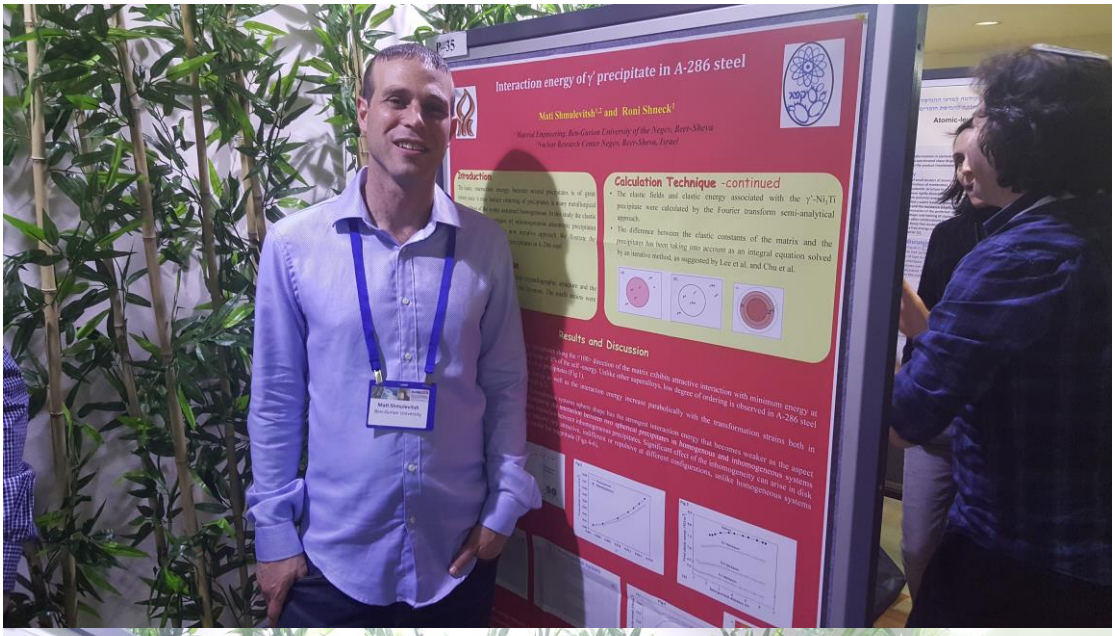



What do you know
about wet samples?


P-35
Interaction energy of γ' precipitate in A-286 steel
Mati Shmulevitsh[1,2] and Roni Shneck[1]
Introduction
Calculation Technique -continued
Results and Discussion


A MULTISCALE FINITE ELEMENT STUDY OF THE RELATION BETWEEN PARTICLE VOLUME FRACTION AND EFFECTIVE MECHANICAL PROPERTIES OF Al-TiB2 COMPOSITES FABRICATED BY RSPS
Abstract
Macro scale computational analysis
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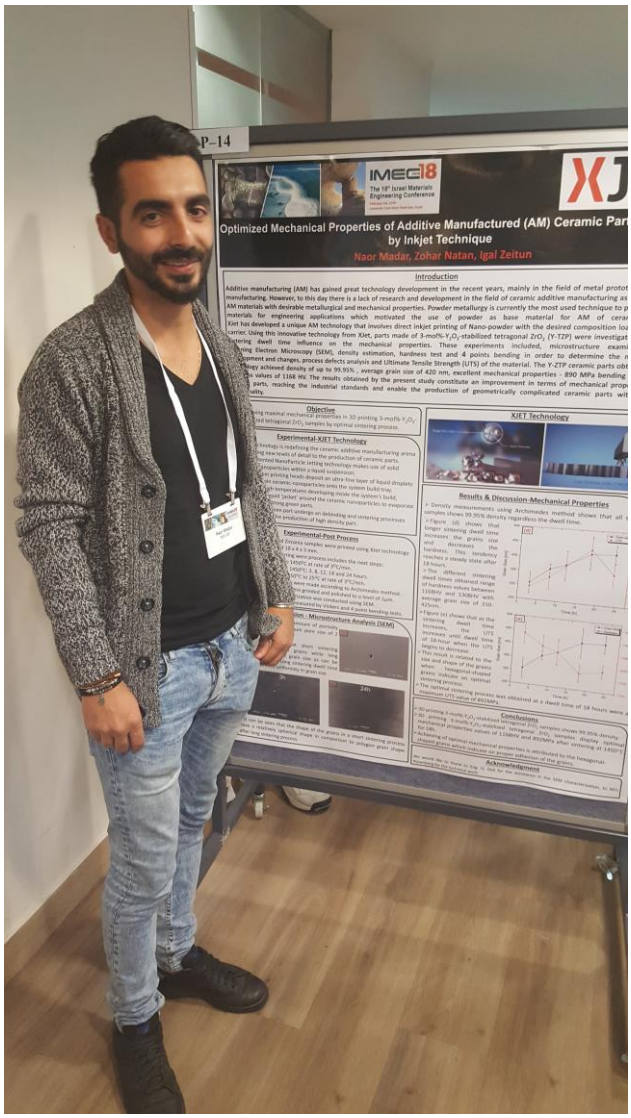
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The 18th Israel Materials Engineering Conference
Optimized Mechanical Properties of Additive Manufactured (AM) Ceramic Parts by Inkjet Technique
Naor Madar, Zohar Natan, Igal Zeitun
Introduction
Objective
Experimental-XJET Technology
Experimental-Post Process
XJET Technology
Results & Discussion-Mechanical Properties
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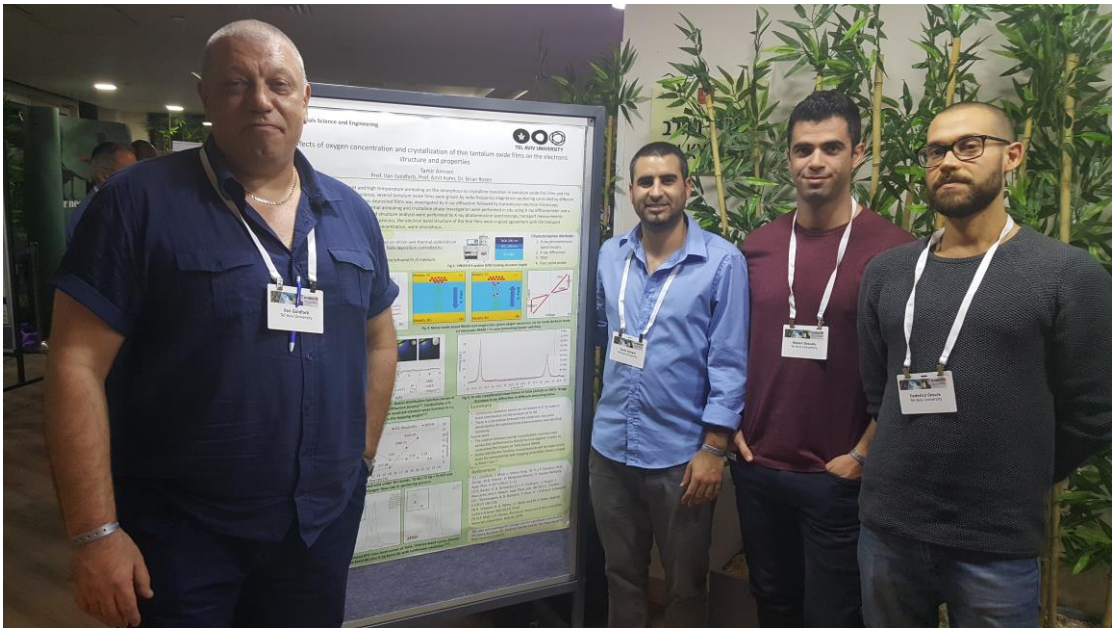

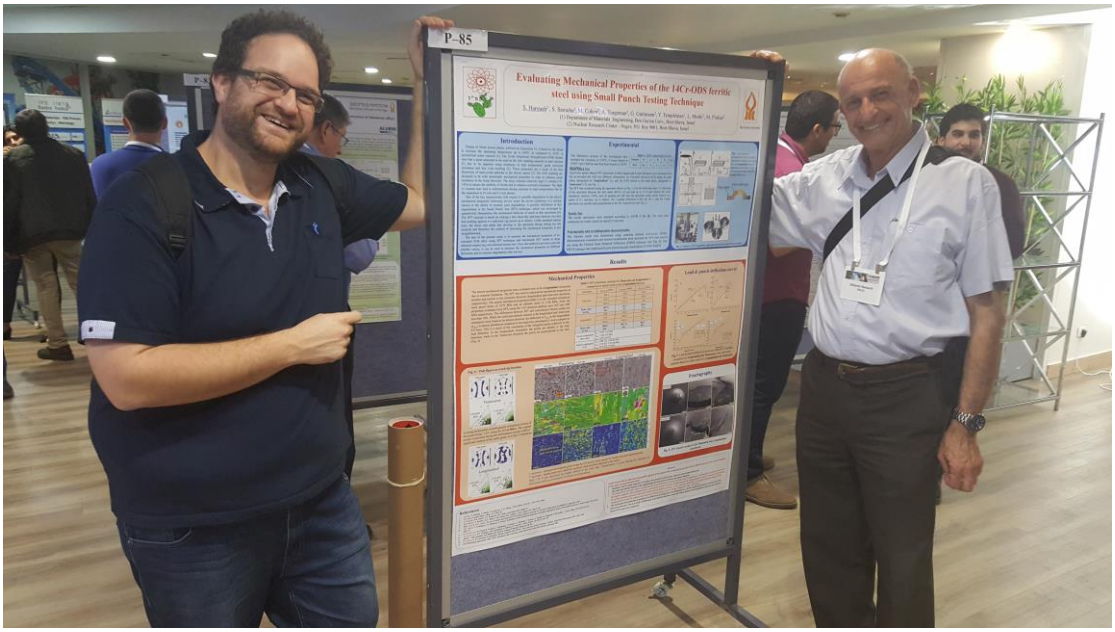
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Evaluating Mechanical Properties of the 14Cr-ODS ferritic steel using Small Punch Testing Technique
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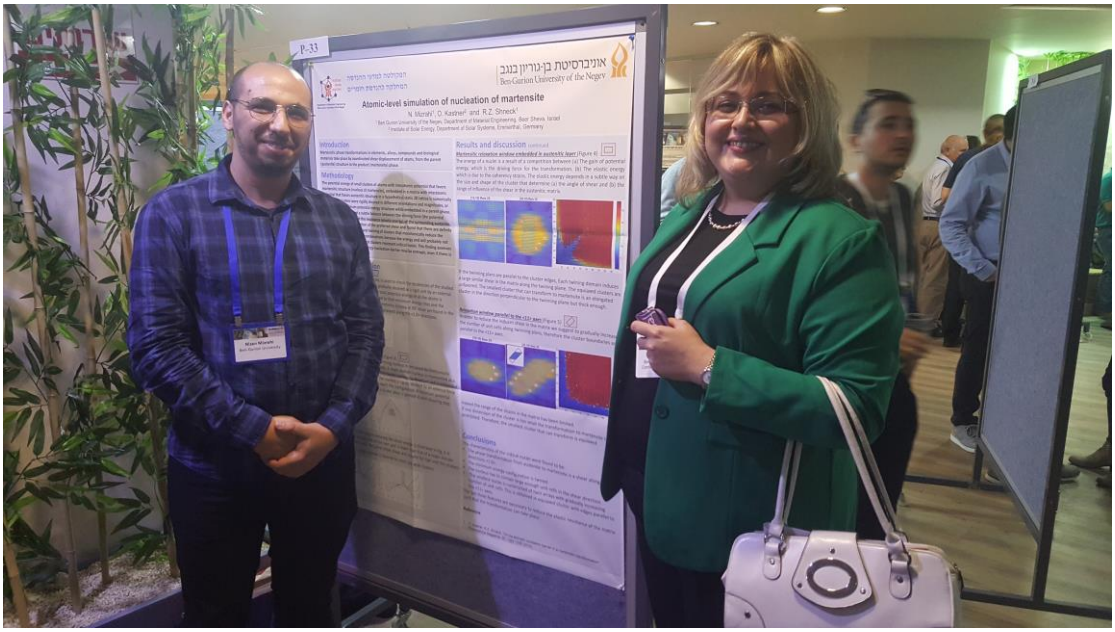
Reduction of thermal expansion in yttria-stabilized zirconia (YSZ) solid oxide fuel cell (SOFC) electrolyte by tungsten addition.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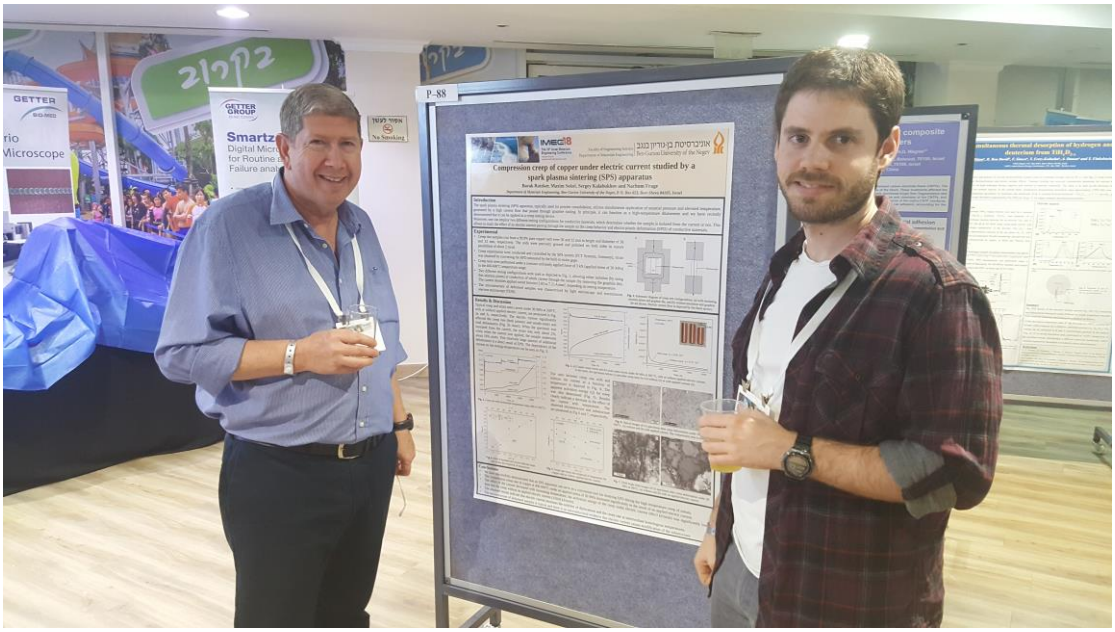
אוניברסיטת בן-גוריון בנגב
Ben-Gurion University of the Negev
Atomic-level simulation of nucleation of martensite
Introduction
Methodology
Results and discussion
Conclusions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Microscope
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Compression creep of copper under electric current studied by a
spark plasma sintering (SPS) apparatus
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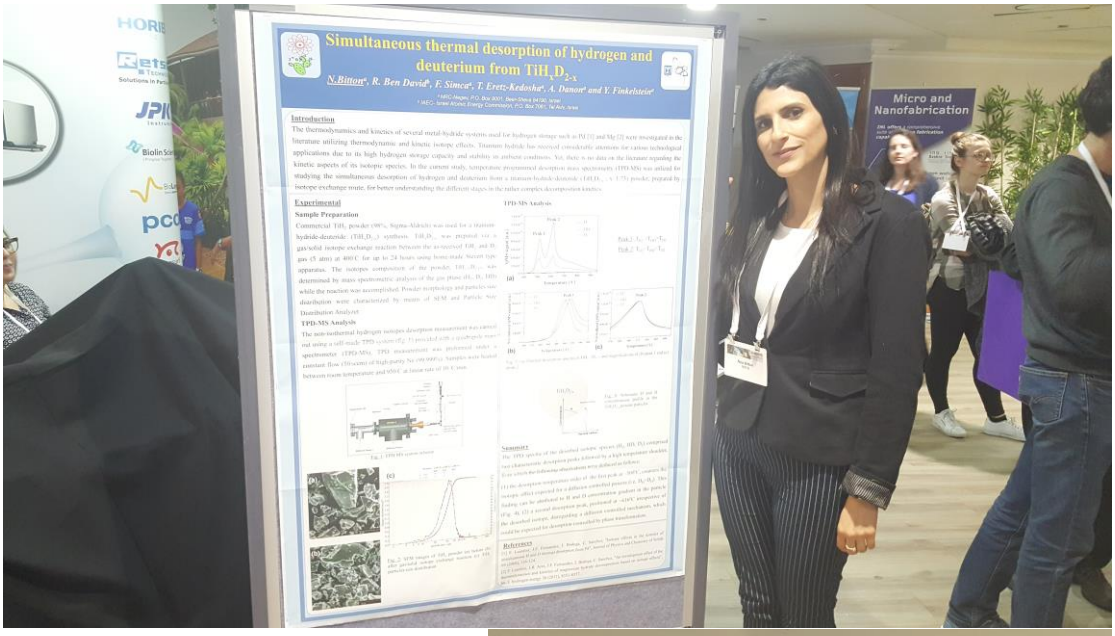
Simultaneous thermal desorption of hydrogen and deuterium from TiH_2D_{2-x}
Micro and Nanofabrication


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Li- and Na-based Oxides Adsorption on TiC(111) Surface for Metal-Air Rechargeable Battery Application: Density Functional Theory Investigation
Introduction and Motivation
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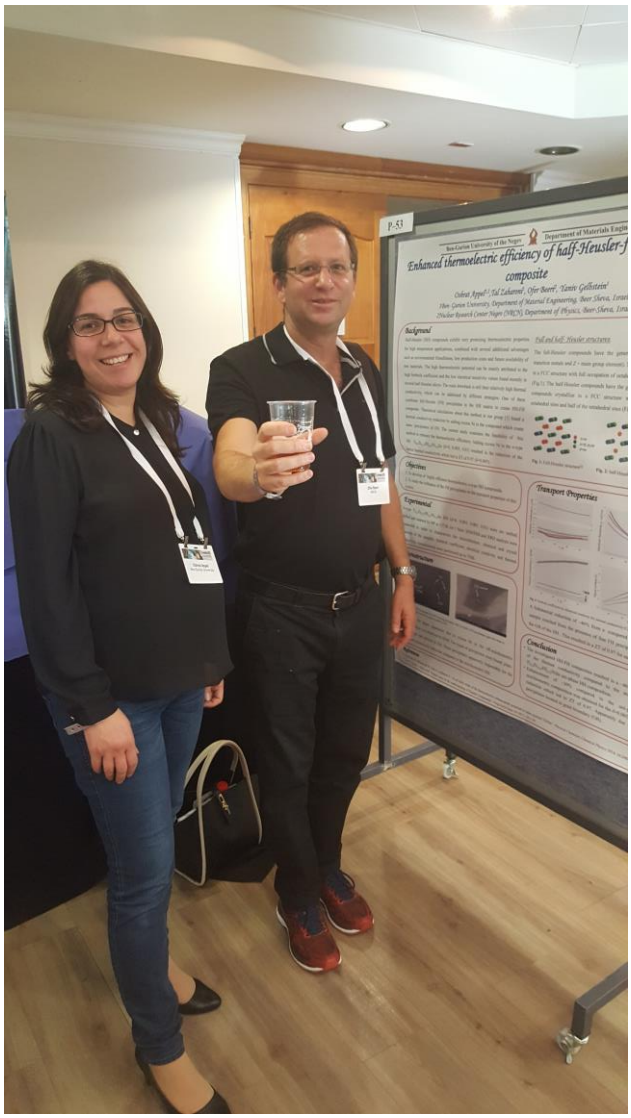
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Enhanced thermoelectric efficiency of half-Heusler-
composite
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Transport Properties
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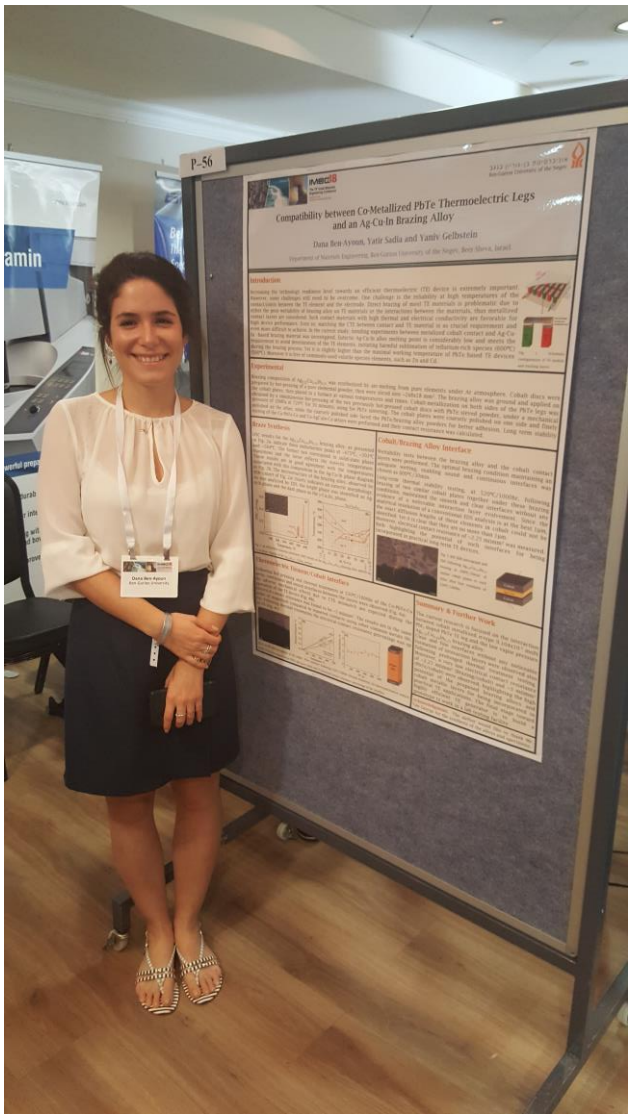
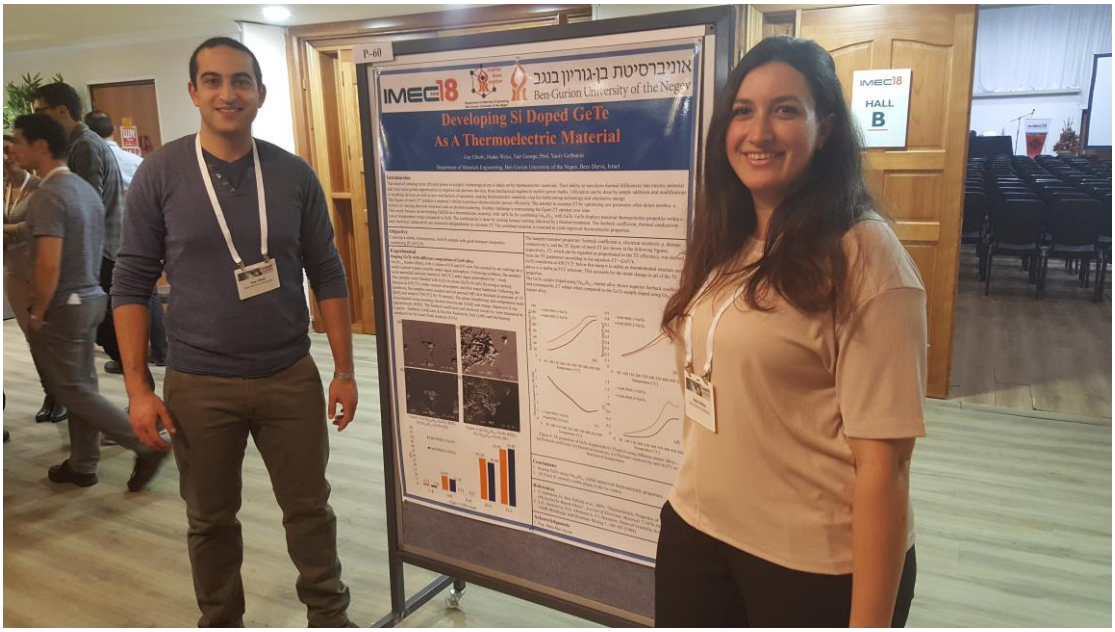

P–56
Compatibility between Co-Metallized PbTe Thermoelectric Legs and an Ag-Cu-In Brazing Alloy
Dana Ben Ayoun, Yatir Sadia and Yaniv Gelbstein
Department of Materials Engineering, Ben-Gurion University of the Negev, Beer Sheva, Israel
Introduction
Experimental
Cobalt/Brazing Alloy Interface
Summary & Further Work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אוניברסיטת בן-גוריון בנגב
Ben-Gurion University of the Negev
Developing Si Doped GeTe
As A Thermoelectric Material
Guy Ekuhe, Hadas Weiss, Yair George, Prof. Yaniv Gelbstein
Department of Materials Engineering, Ben-Gurion University of the Negev, Beer-Sheva, Israel
Introduction
Objective
Experimental
Conclusions
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