




Proposed internships/ research projects – weblink: <https://w3.braude.ac.il/in-stud-intern/?lang=en>

בעמוד הזה להוסיף:

Proposed research projects and supervisors:

Supervisor	Department	Domains
<p>Dr. Naseraldin Hussein nhussein@braude.ac.il</p> 	Industrial Engineering & management	<ul style="list-style-type: none"> • Applied Operations Research in design and planning of the supply chain • Smart Manufacturing: integrating smart technologies into operations • A digital twin of a manufacturing line • Integrated design, printing, and post-printing in a 3D Printing
<p>Dr. Shalabney Atef shalabney@braude.ac.il</p> 	Optical Engineering	<ul style="list-style-type: none"> • Light-matter interaction • Nanophotonics • Plasmonics • Enhanced optical spectroscopy for optical biosensing
<p>Dr. Zorea Pini pini.zorea@braude.ac.il</p> 	Electrical and Electronics Engineering	<ul style="list-style-type: none"> • Digital image processing in real-time systems • Engineering Design of projects including Embedded systems, Control systems, and IoT.
<p>Dr. Adler Amir adleram@braude.ac.il</p> 	Electrical and Electronics Engineering	<ul style="list-style-type: none"> • EEG/MEG brain signal processing and analysis • Deep learning for brain MRI segmentation • Array signal processing • Machine and deep learning
<p>Dr. Chernov Victor chernov@braude.ac.il</p> 	Mechanical Engineering	<ul style="list-style-type: none"> • Optical systems for combustion measurements • Biomass combustion, both experimental and computational • AI in combustion applications. • Affordable spectrometry

<p>Dr. Tarif Fadel fadelt@braude.ac.il</p> 	<p>Electrical and Electronics Engineering</p>	<ul style="list-style-type: none"> • System design with ARM microcontroller • programmable logic devices (VHDL), IoT.
<p>Dr. Goldshtein Ayelet ayelet@braude.ac.il</p> 	<p>Mechanical Engineering</p>	<ul style="list-style-type: none"> • Fluid mechanics-two phase flow. • field singularities-corners-local behavior. • Thermodynamic engines (e.g. thermo-acoustic), mechanical statistics.
<p>Dr. Biswas Seema seemabiswas@braude.ac.il</p> 	<p>Mechanical Engineering</p>	<ul style="list-style-type: none"> • Development of physician training-oriented body parts and models.