



Researchers

2019-2020





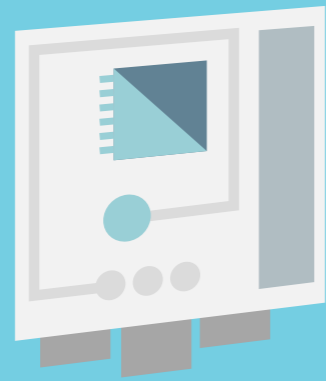
The Department of Software Engineering

Name	Telephone No.	Field of Research	Email
Prof. Shlomo Mark	054-7733842 08-8519078	Scientific computation, Agile software life cycle, Software Quality, ethics in Software engineering, simulations of Monte Carlo methods	marks@sce.ac.il
Dr. Marina Knyazhansky	054-5313189 08-8519314	Knowledge databases, simulation of physical and biological processes, and visualization processing of data	marinak@sce.ac.il
Dr. Abed - El Karim Abu-Affash	050-6561712	Algorithms, Computational Geometry, Optimization Problems	abuaa1@sce.ac.il
Dr. Natalia Venetik	052-8824112 08-6475015	Text mining, data mining, data analysis, data science, combinatorial optimization	natalyav@sce.ac.il
Dr. Marina Litvak	054-2027451 08-6475065	Automatic multilingual text summarization, information, Extraction, recommender systems, graph mining, information retrieval	marinal@ac.sce.ac.il
Dr. Lior Aronshtam	052-3307157	Sport manipulation, scheduling, engineering education	liorar1@sce.ac.il
Dr. Tamar Shrot	054-4229670	Intelligent human computer interfaces and parameterized complexity - artificial intelligence, Software Engineering Education	tammash@sce.ac.il
Dr. Hadas Chasidim	052-3261493	Software quality, human-computer interaction, software development, software project management	hadasch@sce.ac.il
Dr. David Tankus	050-6974089	Combinatorics, well covered graphs, algorithms in graphs, NPC issues	davidt@sce.ac.il
Dr. Alexander Churkin	054-7652967	Optimization, pattern matching and search algorithms, scientific computing and computational biology	alexach3@ac.sce.ac.il
Dr. Eliyahu Itzhak	052-5241650	Geometric Information Systems (GIS), CyberGIS, Goe-IOT, Spatial Analysis, Location Based Services, Digital Cartography	eliit@ac.sce.ac.il
Dr. Haddasa Daltrophe	054-6822566	Communication networks Algorithms, Social Networks, Theoretical Computer Science, Big Data Research	hadasda1@sce.ac.il
Dr. Irina Rabaev	054-4715861	Image Processing	irinar@ac.sce.ac.il
Dr. Michael Kiperberg	050-8491275	Applications of virtualization in cyber security	michaki1@sce.ac.il



The Department of Civil Engineering

Name	Telephone No.	Field of Research	Email
Prof. Wafa Elias	054-7787929 08-8519342	Travel behavior and road safety	wafael@sce.ac.il
Dr. Dagan Bakun-Mazor	054-7636664 08-6475715	Geological engineering, rock mechanics, soil mechanics, seismic hazards and geotechnical site effects, geotechnical rock mass characterization using remote sensing technics	daganba@sce.ac.il
Prof. Robert Levy	050-2029712	Geometrically nonlinear structures; Cablenets and Fabric Structures; Seismic upgrade of buildings using energy dissipation devices; Earthquake Engineering and Structural Dynamics; Structural Optimization	roberle@sce.ac.il
Dr. Rami Eid	052-8722955 08-6475717	Structure reinforcement against earthquakes, use of compound materials for structure reinforcement, Structural behavior of High Strength Concrete (HSC) and Fiber-Reinforced Concrete (FRC), performance-based design	ramiei@sce.ac.il
Dr. Rina Farhat	050-5922379 08-6475826	The design and analysis of reinforced and pre-stressed concrete structures, structural seismic durability, involvement on regulatory standards in these fields	rinaf@sce.ac.il
Dr. Vladislav Kholmer	054-4673707 08-6475805	Effect of vibration field characteristics on matter flow through a two phase environment, the development of methods for improving matter flow, the improvement of motor vehicle fuel efficiency and air pollution levels, motor vehicle safety	kholmer@sce.ac.il
Dr. Eduard Leibovitch	052-3404944 08-6475866	Structure design, Seismic design of structures, steel structures	edwardl@sce.ac.il
Dr. Marina Firer	050-7878438	Structure stability	marinaf@sce.ac.il
Dr. Vladimir Sokolinsky	054-6393660	Progressive Failure Analysis of Sandwich Structure under Ouasi-static and Dynamic Loading Conditions	vladimirf@sce.ac.il
Dr. Amit Kenny	052-4769952	Construction materials	amitke@sce.ac.il
Dr. Valdimir Frid	054-4761450	Rock physics, Geology and Geophysics including fracture, soil and rock mechanics, applied geophysics including acoustic/seismic methods, ground penetration radar, Electromagnetic methods	vladimirf@sce.ac.il
Dr. Itai Elkayam	054-6634219	Tunneling and soil structure interaction due to tunneling.	itaiel@sce.ac.il
Dr. Prosper Dayan	052-2905654	Numerical methods in acoustic waves analysis for linear and non linear materials	prospda@sce.ac.il
Dr. Orit Leibovitch	052-3314301	Reinforced concrete , Bond mechanism in reinforced concrete, Punching shear, Design of concrete structures for earthquakes, Image correlation analysis	oritl@sce.ac.il
Dr. Uri Kushnir	054-7427880	Remote sensing in the ocean for environmental and engineering purposes, Electromechanical coupling and smart structures	uriku@ac.sce.ac.il



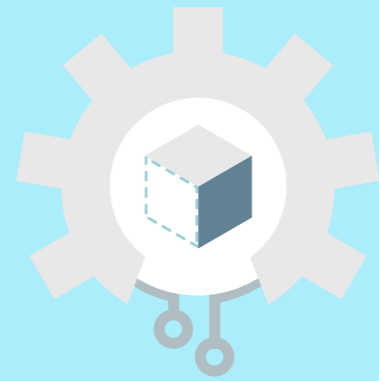
The Department of Electrical and Electronic Engineering

Name	Telephone No.	Field of Research	Email
Prof. Victor Kagalovsky	054-7787938 08-6475828	Mesoscopic physics, topological insulators, quantum Hall effects	victork@sce.ac.il
Dr. Irit Juwiler	054-7733854 08-8519048	Nonlinear optics, Nonlinear Nonlinear optics, Nonlinear Quasi-Phase-Matched Materials & Devices, Development of Lasers Technologies and their Applications, Optical Communication	irirtj@sce.ac.il
Prof. Saad Tapuchi	054-7733809 08-6475700	Development of an electrostatic engine, development of systems for detection of metal in soil, power electronics	tapuchi@sce.ac.il
Prof. Shlomo Hava	054-6775547	Nano-Photonic& Optronics	shlomoh@sce.ac.il
Dr. Tom Trigano	054-6427316 08-8519037	Statistical signal processing and applied statistics, Sparse signal processing	thomast@sce.ac.il
Dr. Yoram Horen	055-8828874 08-6475708	The study of non-linear dynamics, boundary control and optimal control, circuits, power systems and the physics of electronic devices	yoramh@sce.ac.il
Dr. Inna Katz	054-5991376 08-6475746	Analysis of operation of frequency converters - constant and fluctuating status	innak@sce.ac.il
Dr. Svetlana Bronstein	054-5462658 08-6475776	Power Electronics: analysis, models and control methods	svetlanab@sce.ac.il
Dr. Dmitri Baimel	052-9535880 08-6475872	Power Electronics, power systems, electric machines	dmitrba@sce.ac.il
Dr. Zion Menachem	054-7201780 08-6475745	Wave propagation in dielectric waveguides with circular and helical cross sections for applications in the microwave and infrared fields, qualities and behavior of artificial materials	zionme@sce.ac.il
Dr. Gregory Samelsohn	052-3423643	Electromagnetics and acoustics, Antennas, radars and sonar, Advanced imaging systems, reverse issues including tomography	gregosa@sce.ac.il
Dr. Zeev Fradkin	052-8026020	Ion traps and Mass-spectrometry, Nanophotonics and Nanotechnology, Optical waveguides, Ultrafastoptics	zeevfr@sce.ac.il
Dr. Dmitry Bykhovsky	054-8012685	Wireless optical communication	dmitrby@sce.ac.il
Dr. Peter Beker	052-6536364	Fabrications of Organic transparent solar cells	bakap@sce.ac.il
Dr. Moshe Zohar	054-6237788 08-6475747	1. Light management in energy harvesting optical devices through nano-metric structures with cyclic patterns and meta-surfaces. 2. High sensitivity light detectors based on cyclic multi-layered structures in nano-metric dimensions. 3. Use of DPN lithography with insulators and conductive materials to create filters, microstrips and couplings	moshezo@ac.sce.ac.il
Dr. Marcus Roitman	053-8293918 08-8519354	Renewable energy sources, economic aspects in power systems and energetic efficiency	marcoro@sce.ac.il
Dr. Isaak August	055-8839348	Computational Optics and Imaging; Advance Image processing; Hyperspectral imaging and computational spectroscopy; Synthetic Aperture Radar	isaacau@sce.ac.il
Dr. Martin Mellincovsky	050-8641426	xRenewable and sustainable energies. Sizing and management of energy storage systems	malim1@sce.ac.il



The Department of Chemical Engineering

Name	Telephone No.	Field of Research	Email
Dr. Ariela Burg	052-6433773 08-6475009	The study of oxidation processes and redox reaction mechanisms in biological systems and water solutions. Study of catalytic reactions in heterogeneous and homogenous systems. Enhancing energy harvesting with DPN-fabricated smart green surfaces	arielab@sce.ac.il
Dr. Michal Goldenberg	054-5372378 08-8519302	Tissue Engineering heart tissue and ovarian follicle tissue, Biomaterials, bioreactors, bio-production	michalg@sce.ac.il
Prof. Dorith Tavor	054-7733826 08-6475634	Sustaining chemical processes, solidification of wastewater, sustaining services. Water and wastewater treatment and Development of two-phase flow system	dtavor@sce.ac.il
Prof. Adi Wolfson	054-7733805 08-6475766	Environment friendly chemical processes and sustainable services	adiw@sce.ac.il
Dr. Oshrat Ontman	052-8018062 08-6475007	Investigation the chemical composition, structure, physico-chemical nature and function/bioactivities of algal polysaccharides; Elucidation the N- glycosylation pathway in red microalgae; Heterogenization of homogeneous catalysts in renewable polysaccharides	oshrale@sce.ac.il
Dr. Yoram Shotland	054-3030736 08-6475731	Biotechnology, Plant secondary metabolism bioinformatics	yshotlan@sce.ac.il
Dr. Oshra Sapir	052-5891110 08-6475012	Study of the anti-oxidative properties of human-source liquids, such as blood and breast milk, study of breast milk substitutes for newborn babies	oshras@sce.ac.il
Dr. Kfir Ben Harush	052-3202484 08-8519024	Lamin-based materials structure and mechanics	kfirb@sce.ac.il
Dr. Tamar Barak	054-6300923 08-8519030	Excited state acidity and proton transfer; Fluorescence techniques for Diagnosis, and detection of fungal infections in plans through Fluorescent emissions	tamarb@sce.ac.il
Dr. Eyal Tzur	054-6813479 08-8519365	Olefin metathesis, Organometallics chemistry, Synthetic organic Chemistry	eyalt@sce.ac.il
Dr. Yulia Penso	050-7989600 08-8519034	Hormonal and enzymatic markers of stress and anxiety	yuliap@sce.ac.il
Dr. Inna Levitsky	052-8389543 08-6475004	Development of a system for two-phase flow, Water and wastewater treatment	levii2@sce.ac.il



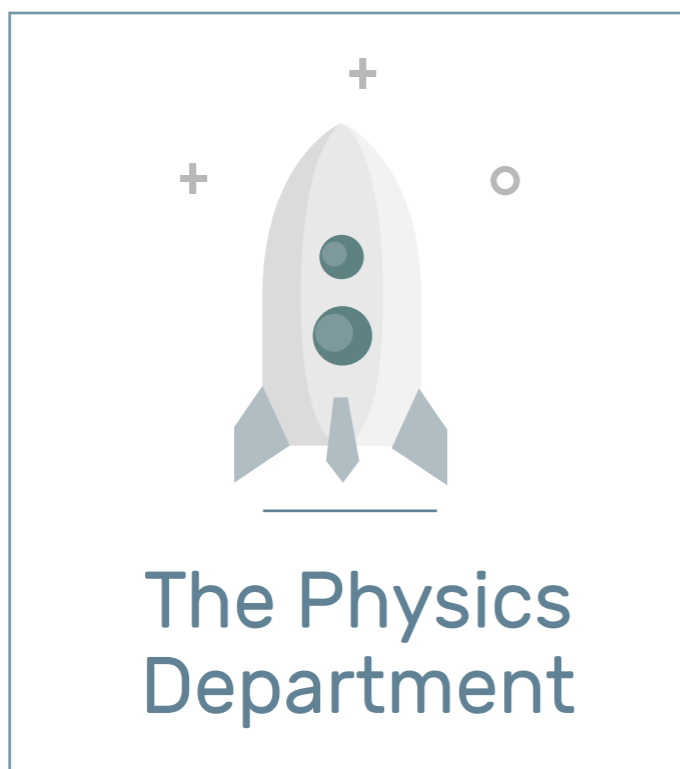
The Department of Mechanical Engineering

Name	Telephone No.	Field of Research	Email
Dr. Gedalia Mazor	054-7733802 08-6475756	Mechanical Engineering - Thermodynamics, flow, shock waves reflections in solids and gas and heat transfer	mazorg@sce.ac.il
Dr. Guy Yehuda Ben Hamu	054-7787911 08-8519089	Materials Science & Engineering; Manufacturing Technology	guy@sce.ac.il
Prof. Amir Eliezer	052-2701285	Stress corrosion, marine corrosion, corrosion processes, nanomaterials & biomaterials. Oil & Gas structural materials, Entrepreneurship	amir@sce.ac.il
Dr. Iko Amram Avital	054-6161688 08-6475026	Design	amramav@sce.ac.il
Dr. Amir Zohar	052-7456755	Mechanical Engineering - engineering design and thermal sciences	amirzo@ac.sce.ac.il
Dr. Etan Fisher	054-9925404 08-6475028	Audio Control for Robots and Music	etanfi@sce.ac.il
Dr. Nir Trabelsi	052-4213972 08-6475884	Mechanical Engineering, Solid mechanics, Computational biomechanics, Finite element analysis, Renewable Energy, Product development	nirtr@sce.ac.il
Dr. Itzhak Levi	052-7909265	Control of autonomous systems, Control of robotics systems	itzhale1@sce.ac.il
Dr. Elad Priel	050-6232058 08-6475884	Mechanics of Solids, computational methods, bio-computational mechanics, Computational plastic forming and failure of metals	eladp@sce.ac.il
Dr. Yoav Yaakov Biton	058-6000595 08-6475023	DNA and DNA protein interaction mechanics, mechanic behavior of cells, bifurcations in stable elastic systems of elastic poles and polymers, molecular mechanics and Monte Carlo methods	yoavybi@sce.ac.il
Dr. Bela Gurevich	054-7648965 08-8519029	Cooling systems, absorption through diffusion, to-phase flow, thermodynamics, thermal energy	bellagu@sce.ac.il
Dr. Zuk Nechemya Turbovich	050-4483700 08-6475027	Design Methodologies for Product Designers in the Context of Personal 3D Printing	zuku@sce.ac.il
Dr. Shabtay Bilu	054-6543598	Educational Management Systems	shaykbi@ac.sce.ac.il
Dr. Efraim-Tzadik Zemach	050-6292235	Fluid Mechanics, Heat Transfer, Numerical Simulations	efize@sce.ac.il
Dr. Kiril Vorotnikov		Nonlinear Dynamics of mechanical metamaterial	kirilvo@sce.ac.il
Dr. Chen Giladi	050-5972339	Meta-Heuristics based machine-learning algorithms	chengj1@sce.ac.il
Dr. Alon Weiss	050-8258206	Biomimetic Design	alonwe@sce.ac.il

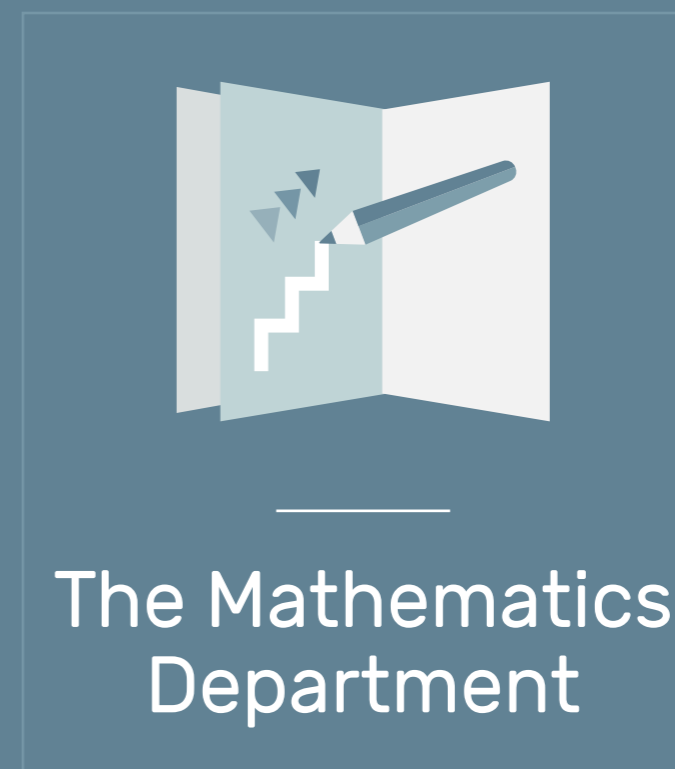


The Department of Industrial Engineering and Management

Name	Telephone No.	Field of Research	Email
Prof. Yossi Hadad	054-7733845 08-6475645	Ranking of Alternatives or organizational units	yossi@sce.ac.il
Dr. Adi Katz	050-6582103 08-8519325	HCI (Human-Computer Interaction), Interactive system design, CMC (computer mediated communication), collaborative computer supported work, IT aesthetics and usability, Databases conceptual modelling	adis@sce.ac.il
Prof. Baruch Keren	054-6964001 08-6475644	Decision making under uncertainty, production planning, project management and operations research	baruchke@sce.ac.il
Prof. Gregory Gurevich	054-5319747 08-8519068	Probability theory, statistics, change point problems, goodness-of-fit testing, nonparametric tests, statistical methods in medicine, empiric visibility, stochastic models in project management	gregoryg@sce.ac.il
Dr. Hagai Ilani	054-7733846 08-8519025	Scheduling and Timetabling methods-theory and practice	hagai@sce.ac.il
Dr. Ofer Barkai	050-5665586 08-8519063	Wage and compensation strategies at the organizational and managerial levels, incentive plans, adjusting organizational structures to meet strategic goals, analyzing the impact of hybrid structures on corporate performance, research on the service organization and process, information technologies in the service sector	ofer@sce.ac.il
Dr. Elinor Etam	054-7330198 08-8519059	Examination of users interfaces, interaction with information systems, Users experience	elinoet@sce.ac.il
Dr. Dimitri Alberg	054-5219604 08-6475638	Reading data, Data retrieval and filtering, Business Intelligence and Data Warehousing, cyber and fraud detection algorithms	dimitria@sce.ac.il
Dr. Svetlana Daichman	050-9436962 08-6475619	Operations research and its applications, multiple criteria decision analysis , cost-benefit analysis and cost-effective health care, social choice theory, voting in committees, public transportation, elderly population	daichman@sce.ac.il
Dr. Lev Khavatskin	050-7577709 08-6475789	Indicators for multi-state system subject to planning requirements, LZ conversion for ongoing and individual Markovian and their application for the reliability of multi-state systems, mathematical models and maintaining for the multi-state systems, the agreement for the for the optimal fraction maintenance of multi-state systems, general generating functions for the study of the reliability of multi-state systems	khvat@sce.ac.il
Dr. Rita Troitsky	054-4906296 08-6475624	Pension economics, aging, quality of life and poverty among elderly population	rita1@sce.ac.il
Dr. Izhak Minchuk	054-6883856 08-6475698	Game theory, auction theory and contest theory	yizhami@sce.ac.il
Dr. Ronit Shmallo	050-2381002 08-8519169	Teaching Computer Science, Object Oriented Programming, Learning from Errors, Analysis and Design of Information Systems, Teaching Semantic Database Modeling, Innovative Teaching Approaches in Higher Education	ronits1@sce.ac.il
Dr. Gali Naveh	050-5890370	Technology and pedagogy in higher education, Diffusion of innovation	galinaveh@sce.ac.il
Dr. Alisa Voslinsky	052-8675032	Behavioral Economics, Decision Making	alisavo@ac.sce.ac.il

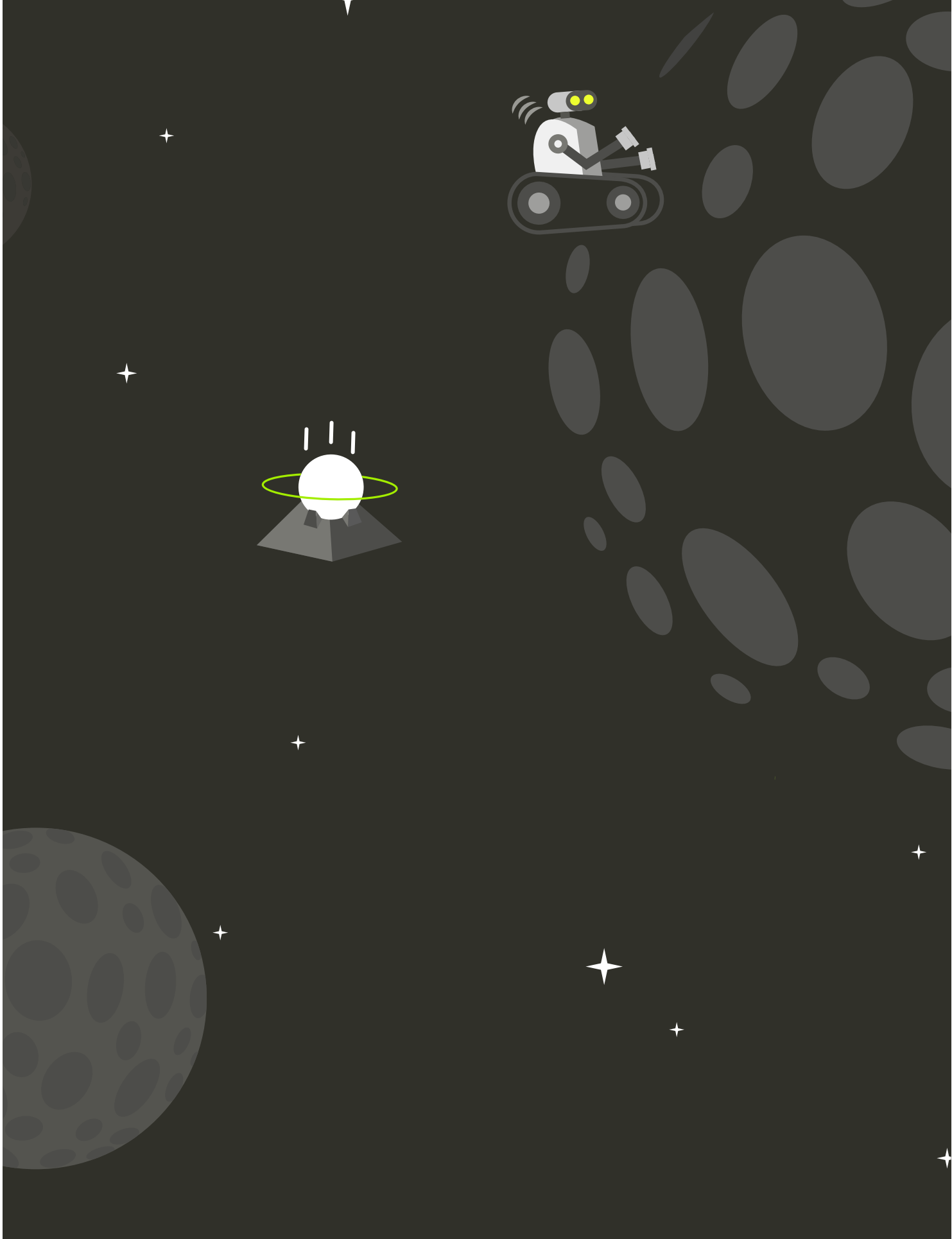


Name	Telephone No.	Field of Research	Email
Prof. Leonid Oster	050-7523217 08-6475239	Experimental solid state physics	leonido@sce.ac.il
Prof. Ahmad Salman	054-6206714 08-6475794	Infrared spectroscopy, Raman spectroscopy, fluorescence, and using these methods in the study of various biological systems such as colonic cancer, bacteria attacking agricultural crops and abnormal cell cultures. Rapid Diagnosis of Bacterial and Viral Human Infections Using Infrared Microscopy of Peripheral Blood Samples and Machine Learning Algorithms. Detection of Antibiotic Resistant Bacteria Using Infrared Microscopy and Advanced Multivariate Analysis	ahmad@sce.ac.il
Dr. Elad Shufan	052-3869335 08-8519372	Optimization in scheduling problems; Characterization and identification of biological samples by spectroscopic pattern recognition	elads@sce.ac.il
Dr. Doron Braunstein	054-5938053 08-6475704	Laser theory, quantum optics and radiation matter interactions, Investigation of waves in excitable media and especially the development of fibrillatory activity in the heart and brain	doronb@sce.ac.il
Dr. Ella Smolik	050-2255298 08-6475236	Plasma instabilities and their application in the creation of radiation mechanisms astrophysics, Lasing without inversion	elag@sce.ac.il
Dr. Dmitry Nemirovsky	052-6144621 08-8519061	Neutron and electron Compton scattering heat transfer enhancers, flow theory, Molecular Spectroscopy, Vibrational Normal Modes, Neutron Compton scattering, Heat Transfer enhancement, Underground Heat Storage, Phase Change Materials	demitryn@sce.ac.il
Dr. Galina Reshes	053-2862696 08-6475240	Dosimetry	galina@sce.ac.il



Name	Telephone No.	Field of Research	Email
Prof. Semyon Levitsky	054-3103368 08-6475734	Applied mathematics, modeling of dynamic processes in multi-phase systems	levits@sce.ac.il
Ms. Miriam Dagan	054-7733831 08-6475652	Analysis of difficulties in understanding mathematical concepts and offering students of the Colleges' preparatory program methods of dealing with these difficulties	dagan@sce.ac.il
Dr. Pavel Satianov	054-4230492 08-6475807	The efficiency of teaching mathematics	pavel@sce.ac.il
Dr. Meirav Topol	054-8311081 08-8519065	Algebraic geometry, topology, knot theory, Mathematics teaching	meiravt@sce.ac.il
Dr. Arthur Mouftakhov	054-5395529 08-8519353	Inverse problem of boundary conditions, Teaching of math. Didactics	artourm@sce.ac.il
Dr. Shai Sarussi	050-7508977 08-6475895	Quasi-valuations, extensions of valuation domains, the prime spectra of rings	sarussh@sce.ac.il
Dr. Stein Itamar Shmuel	054-7824661	Representation theory of monoid and category algebras. String rewriting systems	itamast@ac.sce.ac.il
Dr. Menachem Shlossberg	050-7250280	Topological groups	menacsh@sce.ac.il

The information listed in this booklet is correct for the 2019-2020 academic year (5780)
For more information please contact the PR and Marketing Communications department at:
amart@sce.ac.il



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