

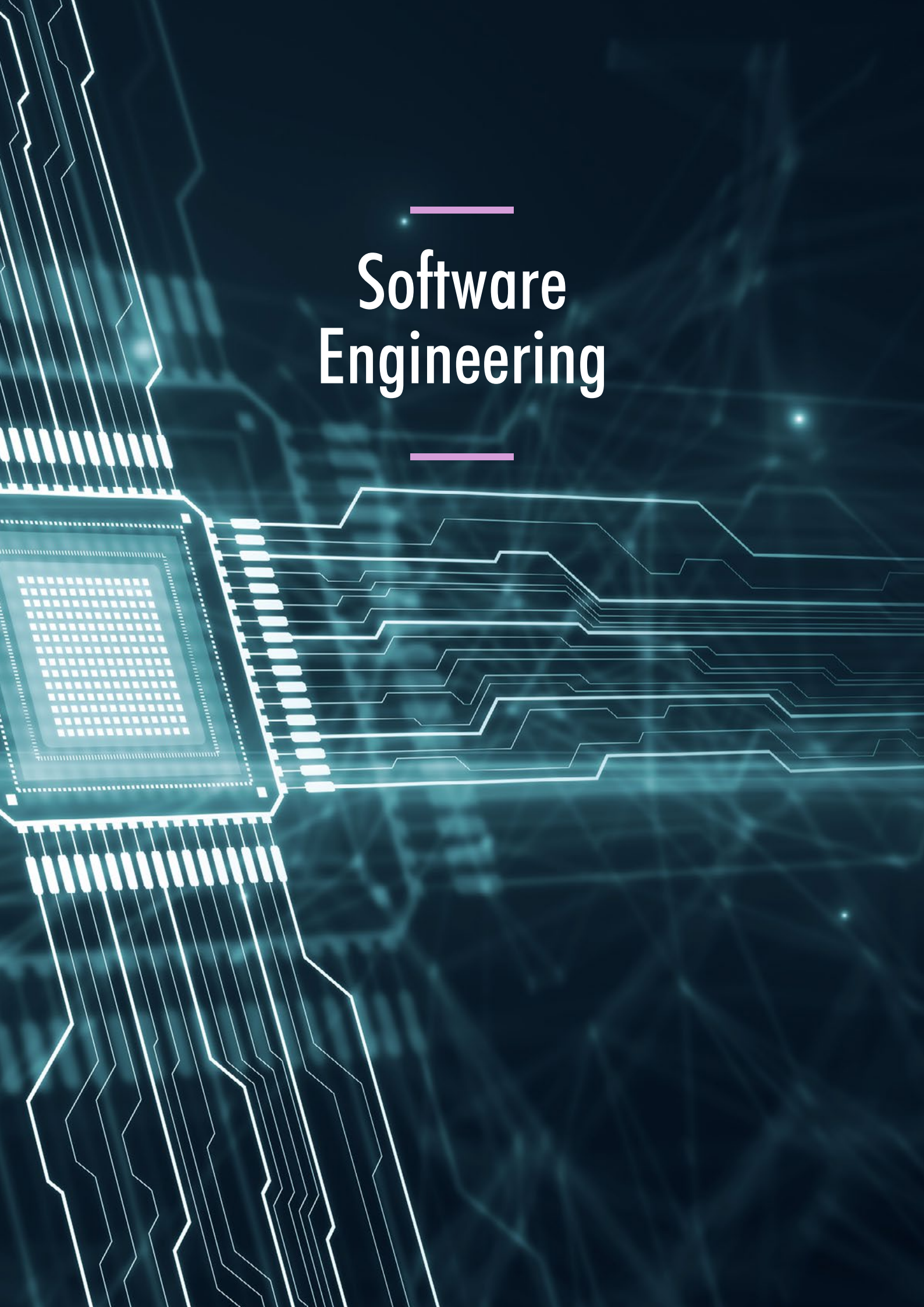


SHAMOON COLLEGE OF ENGINEERING

RESEARCHERS

List of researchers and lecturers in various
fields of research and development

2025 - 2026

The background is a dark blue field filled with intricate, glowing white and light blue circuit patterns. These patterns resemble a complex network of data lines or a microscopic view of a microchip. In the lower-left quadrant, there is a prominent, detailed illustration of a square integrated circuit (chip) with a grid of pins and a central square area. The overall aesthetic is high-tech and digital.

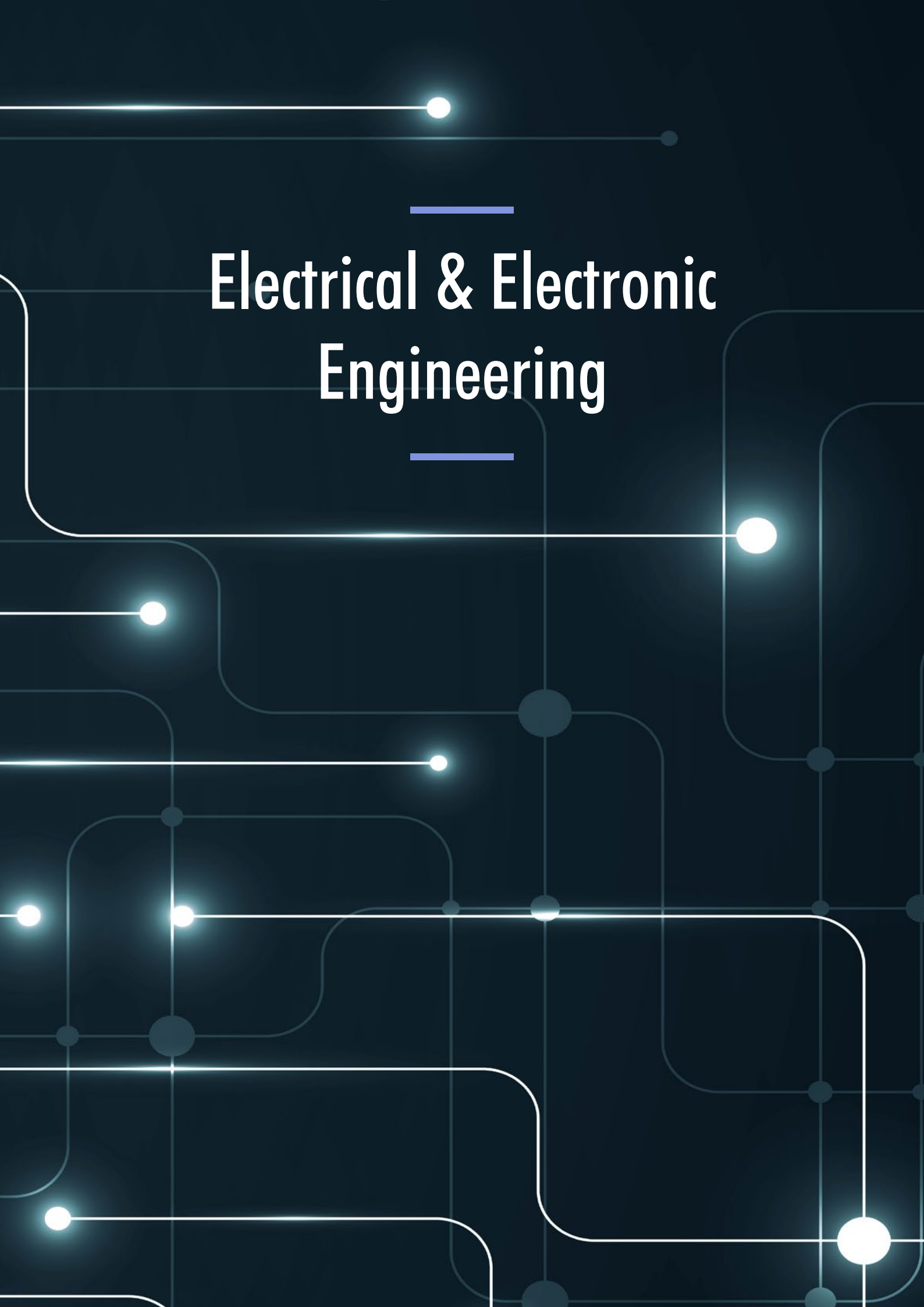
Software Engineering

Name	Telephone No.	Field of Research	Email
Dr. Abed - El Karim Abu-Affash	050-6561712	Algorithms, Computational Geometry, Optimization Problems	abuaa1@sce.ac.il
Dr. Lior Aronshtam	052-3307157	Operational research, Engineering education	liorar1@sce.ac.il
Dr. Marina Knyazhansky	054-5313189 08-8519314	1. Scientific visualization: the modeling, analysis and visualization of scientific processes and complex data 2. Visual Analytics: the integration of analysis and visualization In the field of: a. Structural Mechanics and Material Engineering b. Medical Physics and Cardiovascular Angioplasty c. Digital Health	marinak@sce.ac.il
Dr. Natalia Vanetik	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	Information Retrieval, Summarization, Social Media Analysis, Multilinguality	marinal@ac.sce.ac.il
Dr. Tamar Shrot	054-4229670	Intelligent human computer interfaces and parameterized complexity - artificial intelligence, Software Engineering Education, Humanities & Computational Social Science	tammash@sce.ac.il
Dr. Hadas Chasidim	052-3261493	Human computer interaction, software development, software quality, 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 Machine learning, Bioinformatics, Computational genomics, Computational biology, Scientific computing, Data mining	alexach3@sce.ac.il
Dr. Haddasa Daltrophe	054-6822566 08-8519351	Artificial intelligence - application, network analysis, and regulation; Distributed systems and blockchain	hadasda1@sce.ac.il
Dr. Irina Rabaev	054-4715861	Document image analysis, computer vision, image processing	irinar@ac.sce.ac.il
Dr. Yochai Twitto		Boolean Satisfiability, Domination Analysis, Combinatorial Optimization	yochait@sce.ac.il
Dr. Naomi Korem		Logic, Philosophy of Logic, Political Philosophy	NaomiKo@sce.ac.il korem.naomi@gmail.com
Dr. Moshe Davidian	054-8136147 08-6475061	AI Ethics	mosheda2@ac.sce.ac.il



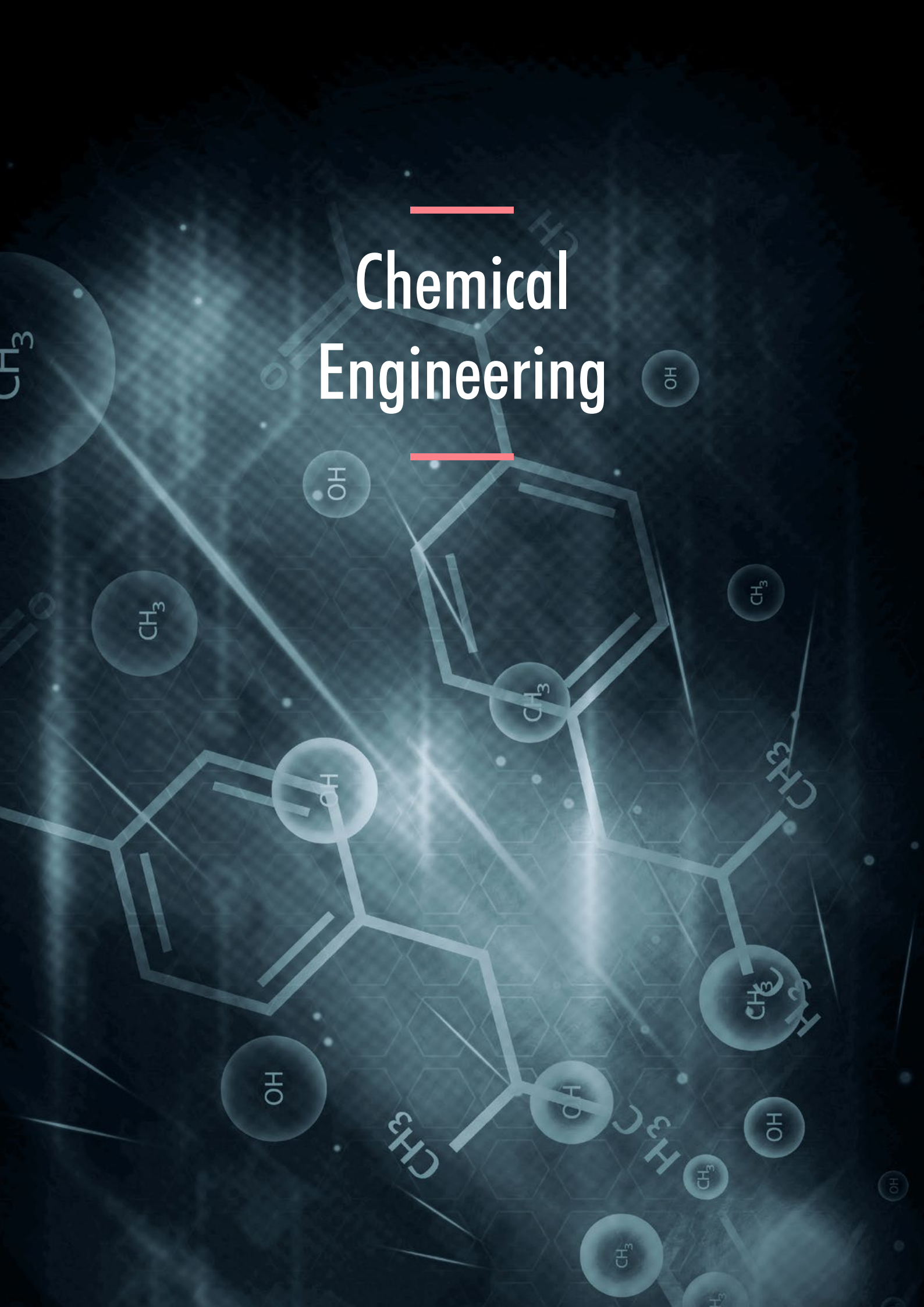
Civil Engineering

Name	Telephone No.	Field of Research	Email
Prof. Wafa Elias	054-7787929 08-8519342	Travel behavior and road safety	wafaef@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	dagonba@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. Orit Leibovitch	052-3314301	Reinforced concrete, Bond mechanism in reinforced concrete, Punching shear, Design of concrete structures for earthquakes, Image correlation analysis. Strains measurements using optical fiber, The effect of using recycled aggregate on the bond mechanism.	oritle@ac.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. Amit Kenny	052-4769952	Marine concrete, Sustainable construction materials, Characterization of porous materials, Recycling in construction, physics education	amitke@sce.ac.il
Prof. 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. Sima-Michal Elkabets-sluki	050-6864890	Extreme event engineering and management; Risk analysis and management for Critical infrastructure, Stochastic modeling for preparedness, response and recovery; Risk and Reliability Analysis for Hazard Mitigation; Construction Safety; Quality and control of construction project; Stochastic and dynamic methods and algorithms for Decision Analysis; Optimization and mathematical modeling with applications in construction management	simamel@sce.ac.il
Dr. Tal Yadlin		Development of building materials with a focus on energy and environmental aspects, as well as nondestructive testing of building materials	talya6@sce.ac.il
Dr. Marina Grigorovitch	050-4810214	1. Development of numerical methods non-linear modeling and fracture analysis of heterogeneous materials 2. Multiscale modeling and analysis for energy assessment and performance optimization of buildings	maringr@sce.ac.il
Dr. Yedidya Shachar	054-3978376	Concrete Structural Engineering under Fire Exposure Effects	yedidyashachar@gmail.com yedidsh@sce.ac.il
Dr. Dmitry Portnikov	052-3488920	Experimental mechanical characterization of granular materials, particle and powder technology, bulk solids handling, two phase flow of particles in fluids	dmitrpo3@sce.ac.il



Electrical & Electronic Engineering

Name	Telephone No.	Field of Research	Email
Prof. Victor Kagalovsky	054-7787938 08-6475090	Mesoscopic physics, topological insulators, quantum Hall effects	victork@sce.ac.il
Prof. Dmitri Baimel	052-9535880 08-6475872	Power Electronics, power systems, electric machines	dmitrba@sce.ac.il
Dr. Irit Juwiler	054-7733854 08-8519048	Nonlinear Optics, Quasi Phase Matching, Periodic and Quasi-Periodic Nonlinear Photonic Crystals, Biomedical Optics, Atmospheric Optics, Quantum Optics	iritj@sce.ac.il
Dr. Tom Trigano	054-6427316 08-8519037	Statistical signal processing and applied statistics, Sparse signal processing, Image processing, Machine Learning	thomast@sce.ac.il
Dr. Eli Barbie	054-7906766	Power Electronics, Multilevel Converters, Harmonic Mitigation	eliba@sce.ac.il
Dr. Svetlana Bronstein	054-5462658 08-6475776	Power Electronics: analysis, models and control methods, Power quality aspects	svetlanab@sce.ac.il
Dr. Gregory Samelsohn		Electromagnetics and acoustics, Antennas, radars and sonar, Advanced imaging systems, inverse problems 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	Measurement systems and sensir signal processing	dmitrby@sce.ac.il
Dr. Moshe Zohar	054-6237788 08-6475747	1. Light management for energy harvesting optical devices using periodically patterned nanostructures and metasurfaces. 2. High sensitivity photodetectors based on nano-scale periodic multilayered structures. 3. Utilization of Dip-Pen Nanolithography (DPN) with Insulator and conductive materials to fabricate filters, microstrips, couplers, and sensors	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. Isaac August	055-8839348 08-6475059 08-6475037	Computational Optics and Imaging; Advance Image processing; Hyperspectral imaging and computational spectroscopy; Polarimetric Imaging	isaacau@sce.ac.il
Dr. Martin Mellincovsky	050-8641426	Renewable and sustainable energies, sizing and management of energy storage systems and wireless energy systems, management of energy storage systems, renewable and sustainable energies, sizing and management of energy storage systems and wireless energy systems	malim1@sce.ac.il
Dr. Amit Efraim	050-9959030 08-6475882	Computer Vision, Point Cloud Registration	amitef@sce.ac.il

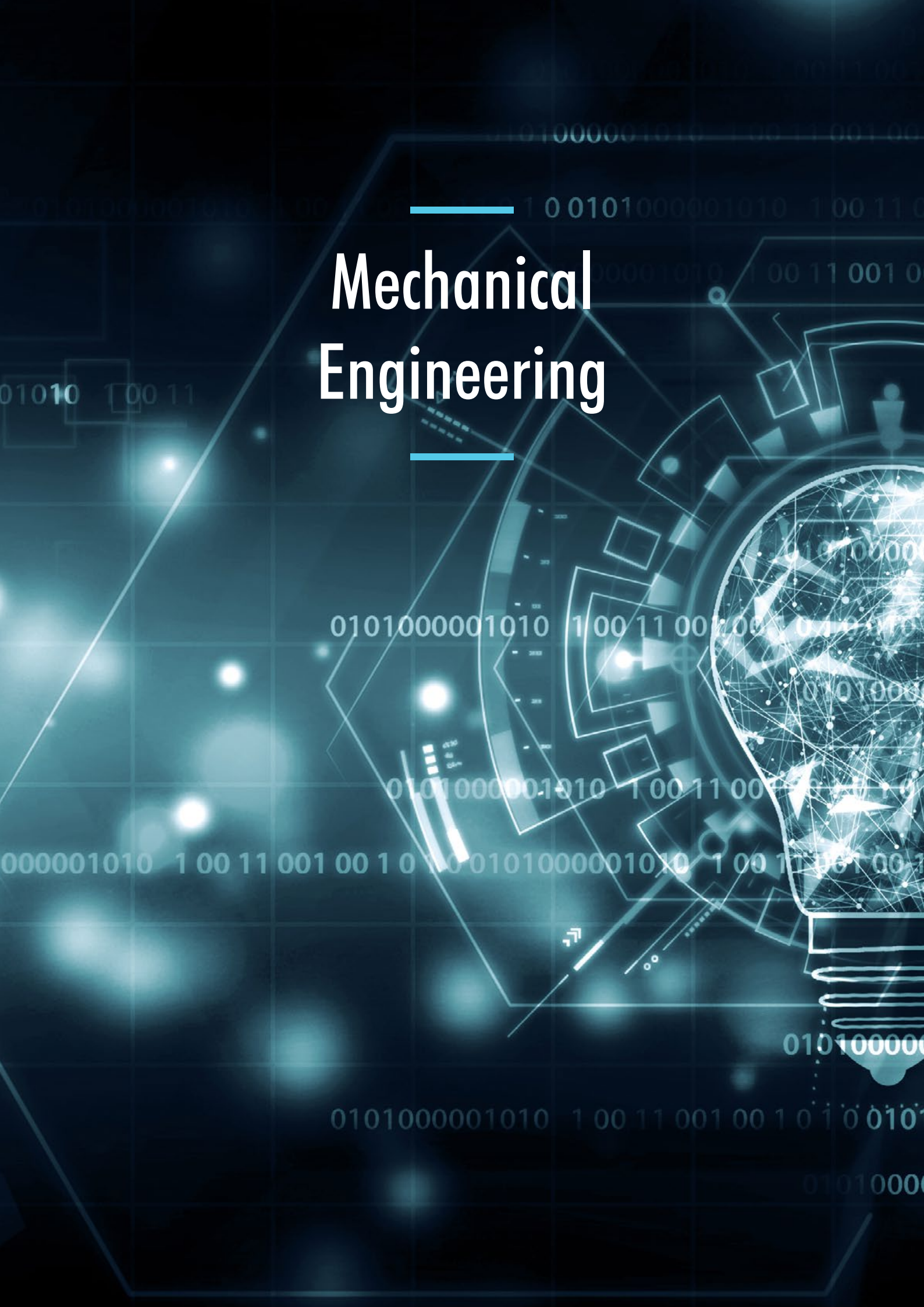


The background is a dark, textured surface with a faint hexagonal grid pattern. It features several glowing, semi-transparent molecular structures and chemical formulas. A large, complex molecule is visible in the lower half, with various branches and rings. Smaller, simpler molecules like CH_3 and OH are scattered throughout. Bright, ethereal light rays or energy beams emanate from the center, creating a sense of dynamic activity and scientific exploration.

Chemical Engineering

Name	Telephone No.	Field of Research	Email
Prof. Ariela Burg	052-6433773 08-6475009	Development of Meta chemical surfaces, MCS, as sensors and biosensors, and as electrodes for water splitting by DPN method. Development of electron exchange columns and cation exchange columns for treatment of toxic organic compounds and for removal of heavy metals from water. Study the mechanism of Fenton reaction and oxidation processes in biological systems	arielab@sce.ac.il
Prof. Dorith Tavor	054-7733826 08-6475634	Waste water treatments, Development of two-phase flow system, Study of sprays reaction, Green Engineering, Academic teaching and learning	dtavor@sce.ac.il
Prof. Adi Wolfson	054-7733805 08-6475766	Environmentally friendly chemical process and sustainable services	adiw@sce.ac.il
Prof. Oshrat Ontman	052-8018062 08-6475007	Investigation the chemical composition, structure, physico-chemical nature and function/bioactivities of renewable polysaccharides; Elucidation the N-glycosylation pathway in red microalgae; Heterogenization of homogeneous catalysts in renewable polysaccharides; Studies of metal removal by renewable polysaccharide	oshrale@sce.ac.il
Dr. Yoram Shotland	054-3030736 08-6475731	1. Microbiology - Monovalent copper as an antibacterial substance 2. Bioinformatics: a. Analysis of the Khat (Catha edulis) plant transcriptome b. Identification of highly expressed genes in Pistacia palaestina galls c. Genome comparison for the identification of pathogenic genes in the Acidovorax bacterial famely 3. Analysis of the Khat (Catha edulis) plant transcriptome for the identification of biotechnology potential genes	yshotlan@sce.ac.il
Dr. Oshra Saphier	052-5891110 08-6475012	Study of anti-oxidative properties of human-source liquids. Study of bioactive properties of monovalent copper ions	oshras@sce.ac.il
Dr. Kfir Ben Harush	052-3202484 08-8519024	The structure and mechanics of fibrous proteins based biocomposite materials	kfirb@sce.ac.il
Dr. Eyal Tzur	054-6813479 08-8519365	Organic Chemistry, Organometallics, Development of heterogeneous catalytic systems for various applications	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

Mechanical Engineering



Name	Telephone No.	Field of Research	Email
Dr. Gedalia Mazor	054-7733802 08-6475756	Mechanical Engineering – fluid dynamics, fluid mechanics, numerical methods, shock wave reflections, cryogenic treatment	mazorg@sce.ac.il
Dr. Nir Trabelsi	052-4213972 08-6475630	Mechanical Engineering, Solid mechanics, Computational biomechanics, Finite element analysis, Renewable Energy, Product development	nitr@sce.ac.il
Dr. Guy Yehuda Ben-Hamu	054-7787911 08-8519089	Materials Science & Engineering: Additive Manufacturing, Hydrogen & Energy	guy@sce.ac.il
Dr. Elad Priel	050-6232058 08-6475884	Mechanics of Solids, Fracture mechanics, Computational Bio-mechanics, Mechanics of Composites, Computational and experimental plastic forming and failure of metals	eladp@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. Amir Zohar	052-7456755	Mechanical Engineering - engineering design and thermal sciences	amirzo@ac.sce.ac.il
Dr. Etan Fisher	054-9925404 08-6475028	Audio Signal Processing, Digital Signal Processing, Mechatronics, Audio Technology, Music Technology, Algorithms for Robotics	etanfi@sce.ac.il
Dr. Itzhak Levi	052-7909265	Control of autonomous systems, Control of robotics systems	itzhale1@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 Nechemia Turbovich	050-4483700 08-6475027	Design Methodologies for Product Designers in the Context of Personal 3D Printing, Production of lattice structures using 3D printing	zuku@sce.ac.il
Dr. Shabtay Bilu	054-6543598	Robotics and Technology-Enhanced Education, Integration of Large Language Models (LLMs) into robotics pedagogical frameworks. Outcomes assessment across robotics curricula, Introduction to Robotics, Robotics Dynamics and Control, and Theory of Machines Courses. Programming and Mechatronics Systems Education (MATLAB and Python). Educational and Socio-Academic Inquiry on Academic faculty perceptions and psychological responses and attitudes toward Program Outcome (P.O.) aligned pedagogy and synchronous/digital instructional modalities.	shaykbi@ac.sce.ac.il
Dr. Efi Zemach	050-6292235	Fluid Mechanics, Heat Transfer, Numerical Simulations	efize@sce.ac.il
Dr. Ziv Brand	050-6244337 08-6475025	Optimization, control, and dynamics of flexible mechanical systems based on genetic algorithms, artificial intelligence, optimal control, active vibration suppression of machining processes, and flow-induced vibration on flexible mechanical structures submerged in water, active magnetic rotor	zivbr@sce.ac.il
Dr. Chen Giladi	050-5972339	Artificial intelligence-based robotic solutions for sustainable, regenerative, & thriving future	chengi1@sce.ac.il
Dr. Merav Arogeti		Drop impact, Drop evaporation, liquid-solid interface, Adhesion	meravar@sce.ac.il
Dr. Gal Dahan	050-8861159 08-8519355	Computational mechanics, Biomechanics, Finite element analyses	galda5@sce.ac.il
Dr. Polina Metalnikov	054-5829122	Materials engineering, materials characterisation, environmental degradation, additive manufacturing	polinme@sce.ac.il
Dr. Avihai Shurin	08-8519355	Industrial Design; Mechanical Engineering; Product Development and Design; Artificial Intelligence; Biomimicry; Creative Thinking; Engineering Education; Innovation	avihash@sce.ac.il

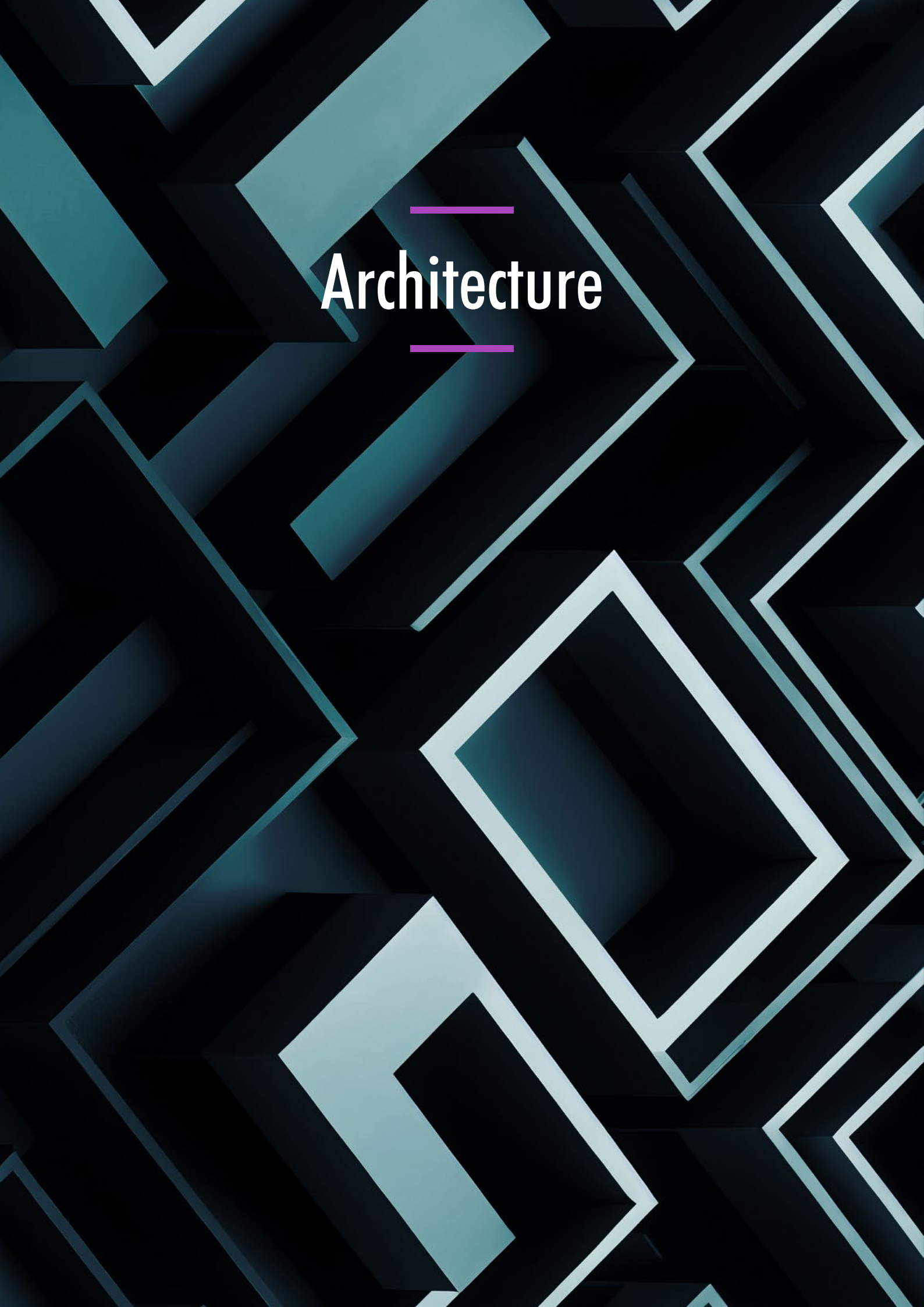
Industrial Engineering & Management



Name	Telephone No.	Field of Research	Email
Prof. Baruch Keren	054-6964001 08-6475644	Operations management, project management, decision making and operation research	baruchke@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, Usability, User Experience (UX), Human-AI Interaction (HAI), Human-Centered AI, Databases conceptual modelling	adis@sce.ac.il
Prof. Yossi Hadad	054-7733845 08-6475645	Ranking of Alternatives or organizational units, Work Study	yossi@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, empirical likelihood, stochastic models in project management, Operations Research	gregoryg@sce.ac.il
Dr. Hagai Ilani	054-7733846 08-8519025	Scheduling and Timetabling methods-theory and practice, Combinatorial Optimization	hagai@sce.ac.il
Dr. Dimitri Alberg	08-6475638	Data Mining, Machine Learning Algorithms, Finance Business Intelligence	dimitria@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 multistate 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 multistate 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. Yizhaq 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 in general and Object-Oriented Programming in particular, learning from errors, Analysis and Design of Information Systems, Teaching Semantic Database Modeling, Teaching Approaches in Higher Education, Education for Entrepreneurship and Innovation	ronits1@sce.ac.il
Dr. Gali Naveh		Technology and pedagogy in higher education and their contribution to engineering education	galinaveh@sce.ac.il
Dr. Alisa Voslinsky	052-8675032 08-8519392	Behavioral Economics, Decision Making	alisavo@ac.sce.ac.il
Dr. Elroi Hadad	054-2480424	Asset Pricing, Risk Management, Financial Markets, Behavioral Finance	hadadel@sce.ac.il
Dr. Doron Klunover	08-8519038	Political Economy and Public Economics	doronkl@ac.sce.ac.il
Dr. Oksana Sabinik Pecherski		Flexible Demand Responsive Transit Services	pecho@sce.ac.il

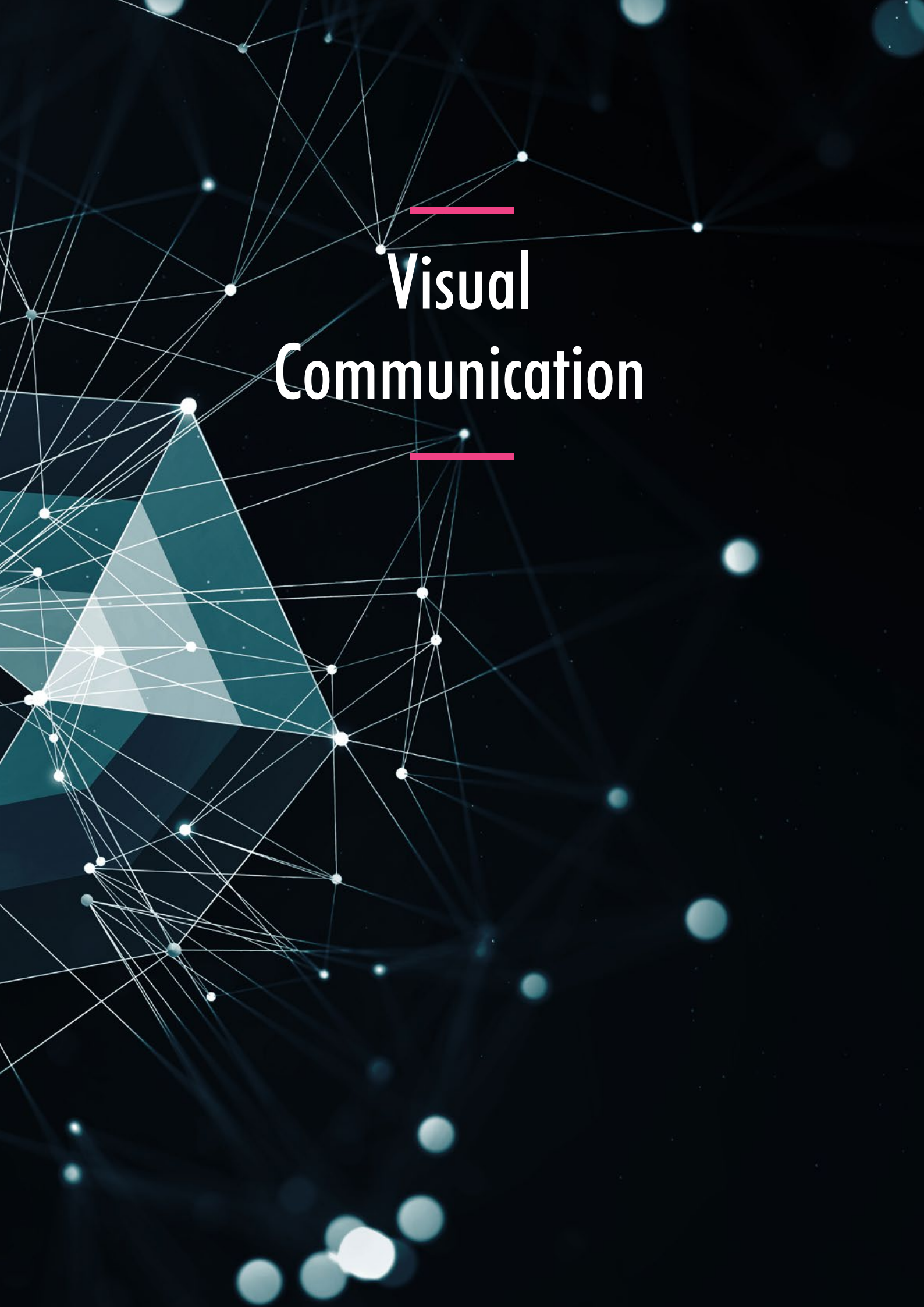
Computer Sciences

Name	Telephone No.	Field of Research	Email
Prof. Shlomo Greenberg	052-6072911	Computer architecture, VLSI, Machine learning, and Deep Neural Networks	shlomo.greenberg@gmail.com
Dr. Aviad Elyashar		Networks, Social Networks, Cyber Security, Privacy in social networks, Machine Learning, Data Science, Natural Language Processing, Large Language Models	aviadel2@ac.sce.ac.il
Dr. Dina Barak-Pelleg	08-6475219	Applications of Probability in Cyber and Combinatorial Optimization	dina.barak.pelleg@gmail.com
Dr. Jeremy Miller	08-9586005	Formulation of models of gravitational waves generated by black holes, composite Higgs models in the quantum gravity approach, iterative algorithms for solving the Schwinger-Dyson equations, research of models in cooperative game theory and their applications in price movements in the stock market and transactions in large markets. Construction of Bayesian game theory models to describe quantum entanglement	jeremmi@sce.ac.il
Dr. Marina Bershadsky	054-6851971	Problems of the Theory of Functional Differential Equations applied to Mathematical Modeling in Medicine	marinab@ac.sce.ac.il
Dr. Zehavit Zvi	054-2028220	Developing algorithms for reducing Brauer trees, creating direct graphs from combinatorial data, representation theory of finite groups, and finite dimensional algebras.	zehavzv@sce.ac.il
Dr. Dvir Ross		Probabilistic modeling and statistical forecasting in the medical domain, Approximation algorithms for optimization problems, Social network analysis (SNA), Data Science, Integration of technological tools in education	RossDv@ac.sce.ac.il
Dr. Shaked Mamana	08-9586005	Applied Probability and Combinatorial Optimaztion	shakema1@sce.ac.il



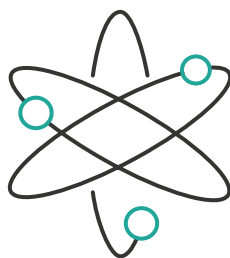
Architecture

Name	Telephone No.	Field of Research	Email
Mr. Natanel Elfassy		Architecture, contemporary design, parametric design, continental philosophy, aesthetics and metaphysics	natanel@sce.ac.il
Dr. Gili Merin	050-2336088	Historical architecture, preservation, built heritage, urban landscape	GiliMe2@ac.sce.ac.il
Dr. Marik Shtern	052-6451400	Urban-political Geography, Cities in conflict, Urban spaces of intergroup encounter and conflict	marikshtern@gmail.com
Dr. Jeremie Hoffmann	03-7247267	History, theory and practices of urban preservation. Modernism, Brutalism and Post-Modernism in architecture	Hoffmann.jeremie@gmail.com
Dr. Aviva Peeters	054-4570125	Spatial Computing, Geoinformatics, Spatial Statistics, Decision Support Systems, Environmental Modelling, Complex Systems, Data Science	avivape@sce.ac.il
Dr. Batel Yossef Ravid		Urban Social Digital Twin, Digital Urbanism, Data-driven decision-making (DDDM), Urban design in the digital age	batelyo@sce.ac.il
Dr. Galia Limor-Sagiv	052-4391604	Landscape, Environment, Climate and Sustainability, Landscape History, Landscape Architecture, Brownfields redevelopment, Waste, Infrastructure Studies, Roads, Urban Ecology, Cultural Landscapes, Environmental Policy and Activism	galioli@sce.ac.il
Dr. Hila Oren	050-9933311	Urbanism, Smart Cities, Public Place, Public Space, Pocket of Health, City Identification, City Branding, Cities DNA	hila.oren@telavivfoundation.org
Dr. Arch. Oren Eldar	054-9805845	History of Israeli Architecture; Architecture of Infrastructure and Communications; Modern Architecture History & Theory	oren3@ac.sce.ac.il
Dr. Sharan Elran	054-2931505	Applications of digital fabrication and robotics in traditional craft practices, and the aesthetics of creative processes that heavily rely and mediated by technology and automated systems	sharanism@gmail.com
Dr. Ruth Leonov	052-5672131	Modularity, participation, and play in architectural design and education; action-based learning; and community-engaged pedagogies.	ruthle@sce.ac.il ruth@projectstudio.space
Dr. Edith Kofsky	052-5702855	Belonging and memory in the Israeli landscape; Residential spaces and domestic interiors; Physical infrastructures; Analog photography and tactile methods of site documentation	edithkofsky@gmail.com
Dr. Yaara Rosner Manor	054-4285117	Self emergent urbanism; Bedouin Villages; Planning and community; Culture, Conservation & preservation; Geospatial informatics	YaaraRo@sce.ac.il yaara.rosner@gmail.com
Dr. Avinoam Sharon		Integrated Architectural Systems - Design, Building Technologies, and Civic Architecture	Avinosh@sce.ac.il



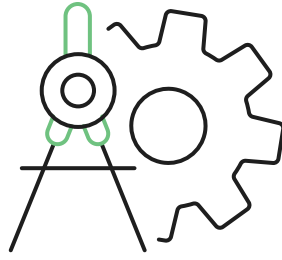
Visual Communication

Name	Telephone No.	Field of Research	Email
Mr. Yosef Ohayon	08-6174707	Political Communication	yosefoh@sce.ac.il
Prof. Daniel Shoshan		Experimental art and architecture Collaborative architecture and art Art in public space Painting / sculpture / video art Curating	danielshoshan10@gmail.com
Dr. Noga Bernstein		History of modern art and design in the United States and Israel, history and theory of textiles, cross-cultural and transnational influence, women and gender	nogabern@gmail.com
Ms. Noa Segal	08-6174707	Typography, Identity Design, Graphic Design	Noase@sce.ac.il



The Physics Department

Name	Telephone No.	Field of Research	Email
Prof. Leonid Oster	050-7523217 08-6475039	Experimental solid state physics, Luminescence, Optical Absorption, Dosimetry	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	Designing vehicle routes and schedules in problems of pickup and delivery; generalised open shop problems; generalised assignment problems	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 08-8519375	Wave development inside excitable medium. Modeling of the heart. Lasing without inversion. Plasma instabilities and their application in the creation of radiation mechanisms in astrophysics	elag@sce.ac.il
Dr. Dmitry Nemirovsky	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
Dr. Mariana Belferman	052-8618689 08-8519391	Development of physical analytical and numerical models for calculating the change in the stress influenced by geodynamical process and external factors	mariabe2@sce.ac.il
Dr. Yair Mulian	058-5449498	Quantum mechanics	yair25m@@gmail.com



The Mathematics Department

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
Prof. Meirav Amram Topol	054-8311081 08-8519065	Algebraic Geometry, Topology, Geometry, Algebra	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, topological aspects of extensions of integral domains	sarussh@sce.ac.il
Dr. Itamar Shmuel Stein	054-7824661	Representation theory of monoid and category algebras. String rewriting systems	itamast@sce.ac.il
Dr. Natalia Krapivnik		Applied Mathematics, Mathematical Models of Chemical Kinetics and Combustion	natalkr@sce.ac.il
Dr. Avner Segal	052-8616188 08-6475094	Automorphic representations and representations of p-adic groups and Lie groups https://sites.google.com/view/segalavner/	avnerse@sce.ac.il
Dr. Ari-Meir Brodsky	058-7141592 08-6475656	Set theory, the Jewish calendar	arimebr@sce.ac.il https://en.sce.ac.il/faculty/ari_brodsky
Dr. Mariana Durcheva	054-7321325	Teaching of mathematics, Public key cryptography, Semiring Theory, Graph Theory, Fuzzy sets and Fuzzy graphs	mariadu@sce.ac.il
Dr. Oleg Kupervasser	052-3596586 08-6174756	Artificial intelligence, computer vision, computer vision-based robot navigation, neural networks, computer-aided drug discovery	olegku@sce.ac.il

