



BUILD RESILIENT
INFRASTRUCTURE,
PROMOTE INCLUSIVE
AND SUSTAINABLE
INDUSTRIALIZATION AND
FOSTER INNOVATION

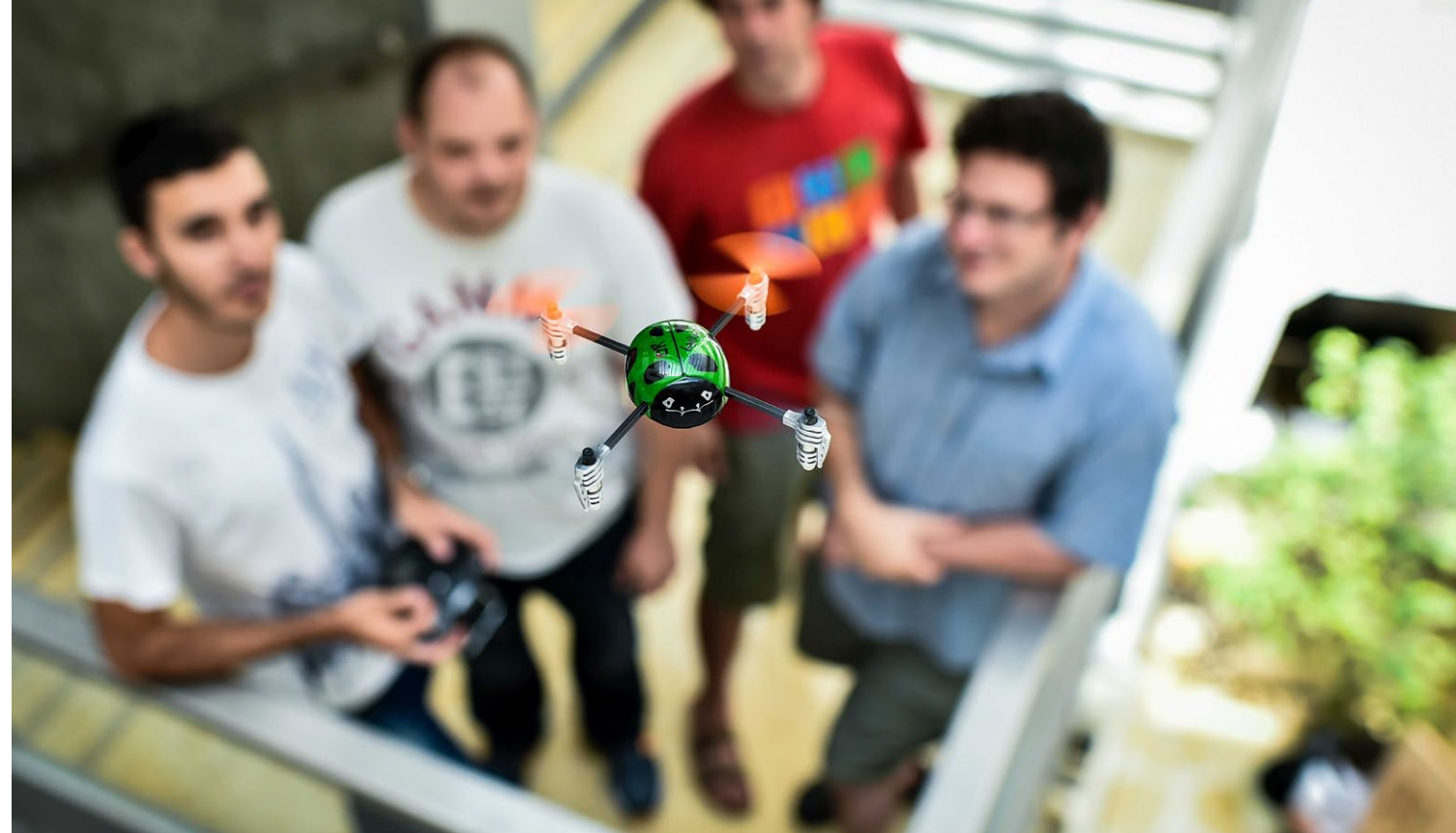
RESEARCH

Twitter for Environmental and Social Research

Prof. Andrea Ghermandi and colleagues from the Department of Natural Resources and Environmental Management published an article titled, '[Twitter's totter must prompt research rethink](#)' in the esteemed *Nature Journal*. The article highlights the increasing relevance of Twitter as a database for environmental and social research. This platform offers valuable insights that aid decision-makers in various area.

Enhancing Data Transmission

Prof. Noga Ron-Zewi of the Department of Computer Science received the [esteemed ERC Starting grant from the European Union](#). Her research concentrates on error correction and calculation codes, addressing the intersection of computation and communication. The project aims to develop efficient and reliable error correction codes for digital communication, enhancing overall data transmission performance.



University students (Credit: Nitzan Zohar, University of Haifa)

Promoting Multidisciplinary Data Science Research

The Data Science Research Center (DSRC) aims to [promote multidisciplinary data science research](#) to the benefit of society and the environment. The Center assists cross-disciplinary faculty in carrying out their research with the help of experienced data scientists. Among 2022's seed research projects were projects by Prof. Roei Diamant and Prof. Dan Feldman from the Charney School of Marine Sciences; by Dr. Einat Minkov and Dr. Alon Zoizner; and Dr. project by Judith Somekh and Prof. Gil Atzmon.

PUBLIC ENGAGEMENT

Clinic for Law, Technology, and Cyber

[The Clinic for Law, Technology, and Cyber](#)

combines technological understanding with legal expertise to promote policy aimed at ensuring human rights in the digital era. To this end, the clinic carried out several projects, including the following: writing a policy paper concerning the desirable regulation of smart cities; approaching the Israel postal services demanding they ensure access for elderly people after the post shifted to an online appointment setting;

[Initiating over 20 letters and information requests under the Free Information Act](#)

to promote transparency in the use of algorithms by government entities.

EU Cost Action: Blue Economy

Prof. Noga Collins-Kreiner of the Department of Geography and Environmental Studies was chosen to be an Israeli representative to the EU COST Action 'Rethinking the Blue Economy: Socio-ecological Impacts and Opportunities', which centers around [the Blue Economy and related policies](#) affecting European societies and beyond. The purpose of this Action is to rethink the Blue Economy by assessing its impact on coastal

societies, and by exploring innovative marine activities.

LEARNING AND STUDENTS

Advanced Technologies in Rehabilitation and Development

[A new and innovative course](#), 'Advanced Technologies in Rehabilitation and Development', led by Dr. Alexandra Daniel-Saad from the Department of Occupational Therapy, and Prof. Tsvi Kuflik from the Department of Information Systems was launched this year. Throughout the course, students worked to make the University's Hecht Museum accessible to blind people by creating products through a 3D printer and sound sensors.

Global Technology Policy

UoH Faculty of Law students enrolled in the 'Global Technology Policy' course, participated in a workshop entitled 'Seminar on Technology, Innovation, and Sustainable Development Goals' together with students from the University of Ottawa and Bocconi University in Milan. Through the seminar, they explored with their peers how global technology policy can help or hinder SDG-related innovation from advancing.

Innovative Thinking

Creative and strategic thinking is the foundation for an advanced, thriving, efficient, and effective society. As automation and artificial intelligence processes increasingly occupy our lives, creative thinking for problem-solving becomes doubly crucial.

In future job analyses, it emerges that creative thinking is among the most essential skills in the 21st century. [The HIL workshop: Innovative Thinking](#) helps students to connect a real problem, challenge, or essential need to a sustainable solution.

OPERATIONS

New Director for Carmel-Haifa

We are pleased to announce the appointment of [Mr. Hussam Bishara \(CPA\) as Chairman of Carmel-Haifa Economic Corp Ltd](#) – our commercialization and business arm, responsible for protecting and commercializing its intellectual property. He has served on the Board of Directors of Carmel-Haifa and for the past 14 years, he has been a senior lecturer in the Department of Economics.

New Research Information System

In June, the university unveiled its new [Elsevier CRIS-type information system](#), designed to monitor, and showcase our researchers' scientific publications globally and enhancing our research visibility. The project, a collaborative endeavor with other Israeli universities and the Israel Council for Higher Education is a result of dedicated efforts from the university library, research authority, computing department, and human resources department, to advance our research impact.