

## PRESS RELEASE

PRESS RELEASE

June 23, 2022 || Page 1 | 3

### Fraunhofer EMFT and Tel Aviv University collaborate for sensor-related research and development

On June 22<sup>nd</sup>, Tel Aviv University (TAU) and Fraunhofer EMFT with guests from Israeli governmental and public bodies, industry and academia, celebrated the opening of the Fraunhofer Innovation Platform for Sensors and Applied Systems at Tel Aviv University – FIP-SENS@TAU. FIP-SENS@TAU is a Fraunhofer-like research unit, embedded in the legal structure of TAU, with the mission to promote top level multi- and interdisciplinary sensor-related research and development.

The opening event of **FIP-SENS@TAU** took place at the Nature Museum of Tel Aviv University, including the signing ceremony of the framework agreement by Prof. Dr.-Ing. Reimund Neugebauer, President of Fraunhofer-Gesellschaft and Prof. Dan Peer, Vice president for research and development of TAU. FIP-SENS@TAU was honored to also welcome Dr. Susanne Wasum-Rainer, Germany's Ambassador to Israel and Ron Prozor, Israel's Ambassador to Germany at the event. Moreover, around 60 renowned guests joined the opening ceremony, which featured a comprehensive program of presentations on science, research and development and its way to commercialization.

**FIP-SENS@TAU** aims to create a dialogue with relevant industries in Israel, Germany and beyond for promoting development and technology transfer for hardware, software, data processing algorithms and networking to human-machine interface for sensor systems.

“Artificial intelligence and related technologies are one of the most important topics for the digital future and play a decisive role in the future transformation of the economy and society. Especially the rapid introduction of intelligent, adaptable and networked devices by the advent of the Internet of Things creates an urgent need for new types of sensors and corresponding hardware. The Tel Aviv University and the Fraunhofer EMFT, which have been closely cooperating since 2019, can adequately meet this need through joint research and development activities within the framework of the new »Fraunhofer Innovation Platform for Sensors and Applied Systems at Tel Aviv University«” states Prof. Neugebauer, President of Fraunhofer-Gesellschaft.

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“We are grateful to Prof. Neugebauer, his team and the whole Fraunhofer-Gesellschaft for giving us the unique opportunity to launch the Fraunhofer Innovation Platform (FIP) in Tel Aviv University. In Tel Aviv University, the largest and most comprehensive research university in Israel, there are at present tens of top research groups working on various areas and aspects of sensor research. This new platform will focus on the development of real applications and on the capability to manage projects with significant chance for commercialization. Our collaboration will enable systems and networks for real life scenarios and considers transfer to standard industrial production from the very early beginning of development. Our vision is that **FIP-SENS@TAU** will become a worldwide recognized solution provider regarding intelligent sensor systems, for clients from business and industry as well as for other academic institutions and public research funding agencies” states Prof. Yossi Rosenwaks, FIP managing director, who will lead the operation in TAU together with the technical director, Prof. Slava Krylov.

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**PRESS RELEASE**

June 23, 2022 || Page 2 | 3

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The **FIP-SENS@TAU** is managed by: Prof. Yossi Rosenwaks (Managing Director from TAU), Dr. Sabine Trupp (Managing Director from Fraunhofer EMFT), Prof. Slava Krylov (Technical Director from TAU), and Christian Wald (Technical Director from Fraunhofer EMFT). The team looks forward to establish successful collaborations in the area of sensors and related application areas such as safety, security, health, production, mobility, agriculture and environment.

**Fraunhofer EMFT** conducts cutting-edge applied research on sensors and actuators for people and the environment. The over hundred researchers in the three locations in Germany - Munich, Oberpfaffenhofen and Regensburg - possess impressive long-term experience and wide-ranging know-how in the fields of microelectronics and microsystem technology. The technology offering of the research institution ranges from semiconductor processes, MEMS technologies and 3D integration to foil electronics. These nano- and microtechnologies are the basis for the other competence areas at Fraunhofer EMFT: sensor solutions, safe and secure electronics, and micropumps. The interdisciplinary interaction of these competencies enables the development of truly novel solutions to meet the current challenges facing our society.

**Tel Aviv University** Located in Israel's cultural, financial, and business heartland, is the largest comprehensive research university in Israel. Comprising 9 faculties, 24 schools and 105 departments, the university has over a 130 research centers and institutes. On top of the extensive range of study programs that TAU offers its 29,000 students, Tel Aviv University has introduced an ever-increasing number of interdisciplinary programs in vital new fields, such as nanoscience and nanotechnology, bioinformatics and biotech-

nology. Among the university's 1,000 faculty members are internationally renowned scientists who have made a major contribution to their respective fields. Tel- Aviv University is currently ranked 5<sup>th</sup> in the world regarding the number and quality of start-up companies formed by its alumni.

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**PRESS RELEASE**

June 23, 2022 || Page 3 | 3

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Prof. Dr.-Ing. Reimund Neugebauer, President of Fraunhofer-Gesellschaft and Prof. Dan Peer, Vice president for research and development of Tel Aviv University, signed the framework agreement for the Fraunhofer Innovation Platform for Sensors and Applied Systems at Tel Aviv University (FIP-SENS@TAU) in Tel Aviv on June 22<sup>nd</sup>

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The **Fraunhofer-Gesellschaft**, headquartered in Germany, is the world's leading applied research organization. With its focus on developing key technologies that are vital for the future and enabling the commercial exploitation of this work by business and industry, Fraunhofer plays a central role in the innovation process. As a pioneer and catalyst for groundbreaking developments and scientific excellence, Fraunhofer helps shape society now and in the future. Founded in 1949, the Fraunhofer-Gesellschaft currently operates 75 institutes and research institutions throughout Germany. The majority of the organization's 29,000 employees are qualified scientists and engineers, who work with an annual research budget of 2.8 billion euros. Of this sum, 2.4 billion euros are generated through contract research.