Call for Postdoctoral Fellow: The Digital Living 2030 Program

Tel Aviv University, in collaboration with Stanford University (CA, U.S.A.), is engaged in a research program called "Digital Living 2030" (DL`30). This research program aims to explore how our lifestyles will change beyond 2030, given the current digitalization of various operations and services and rapidly advancing technologies, such as machine learning and generative artificial intelligence.

Tel Aviv University is excited to announce the call for a postdoctoral Fellowship for the Digital Living 2030 program. This Fellowship offers a unique opportunity for postdoctoral researchers to engage in research at the intersection of data science, artificial intelligence, operation research, industrial engineering and management science, electrical engineering, and computer science.

Fellowship Details: Successful candidates will be awarded a Fellowship for a compensated postdoctoral position at Tel Aviv University to work with researchers affiliated with the Digital Living 2030 program, and will also fund research visits (for up to few weeks/months) to Stanford University to work with collaborating researchers there.

Who Should Apply: We are looking for a highly motivated postdoctoral researcher with a keen interest in future digital technologies and their societal impact. Ideal candidates should have a strong background in industrial engineering and management science, electrical engineering and computer science, machine learning and artificial intelligence, or related fields.

Application Requirements:
- A Ph.D. in Industrial Engineering, Management Science, Computer Science, Electrical Engineering, or a related field.
- A statement of research interests explaining how they align with the goals of the Digital Living 2030 program.
- Demonstrated research excellence and potential for significant contributions to the field.
- Excellent communication skills in both Hebrew and English.
- A potential career plan to become a faculty member at the Department of Industrial Engineering at Tel Aviv University.

Benefits:
- Opportunity to work and collaborate with leading experts from Tel Aviv University and Stanford University, collaborating on the Digital Living 2030 project.
- Access to cutting-edge equipment and research facilities.
- A vibrant, interdisciplinary, and multicultural research environment.
- A generous stipend to support the research stay at Tel Aviv University and funded visits to Stanford University.

How to Apply: Interested candidates should submit their application, including a CV, statement of research interests, and two or three letters of recommendation, to bengal@tau.ac.il by May 30, 2024. The committee reserves the right to extend the deadline.

For further details about the program and application process, please visit https://www.lambda.sites.tau.ac.il/news or contact us directly at niraz@tauex.tau.ac.il and bengal@tau.ac.il.

Join us in Pioneering the Future of Digital Living!

DIGITAL LIVING 2030: INTRODUCTION, SCOPE AND OBJECTIVES

The Koret Foundation – Stanford University -Tel Aviv University (TAU) Collaborative Initiative on "Smart Cities and Digital Living by 2030" (DL2030) has completed its fifth year of execution.

The DL2030 program is a TAU-Stanford research partnership focusing on research initiatives aiming to improve our "digital" lives in the smart cities of the future (with a vision horizon of 2030). In the last five years, the program has brought together a uniquely talented and intellectually diverse group of TAU and Stanford faculty and students to spearhead the development of infrastructures, processes, methods and algorithms that will be implemented by hardware and software components to create and support this emerging world of highly digitized operations and services. The research takes advantage of both universities' highly cooperative and multidisciplinary ecosystems to address the big questions essential to achieving a major impact on our environmental, social and personal wellbeing.

Indeed, given the developments in the last few years regarding the Covid-19 pandemic, the vision of DL2030 has become clearer and of higher impact: while the physical/biological elements of our lives have become more vulnerable, more and more activities have shifted to cyberspace. In fact, many of the DL2030 applications and research themes have become extremely relevant: remote health sensors using cellphones and big data; contact-network topology effects; early detection of infectious diseases; the future of work; epidemic modeling by AI tools; humanitarian logistics to quarantined areas; vaccination optimization, wisdom of the crowd decision making, people analytics, Social Network Impacts, Generative AI tools etc.

The importance and relevance of the DL2030 vision and work has been clear validated by the events of the last few years.

Over the last five years, the DL2030 project/program has funded joint projects at TAU and Stanford to advance multidisciplinary, basic and applied research in science and technology that enhances the quality of life, safety and efficiency of the smart cities of the future, while improving communications across people and organizations. It has enabled a unique collaboration between the TAU Department of Industrial Engineering and the Stanford School of Engineering's Department of Management Science & Engineering.

In the next two years of the project extension, we plan to focus further on the most relevant and successful projects and teams of the last five years and help these projects evolve further and have impact, such as projects in health care policy, management and technology, as well as projects in computing/AI and their impact on social networking and people analytics.