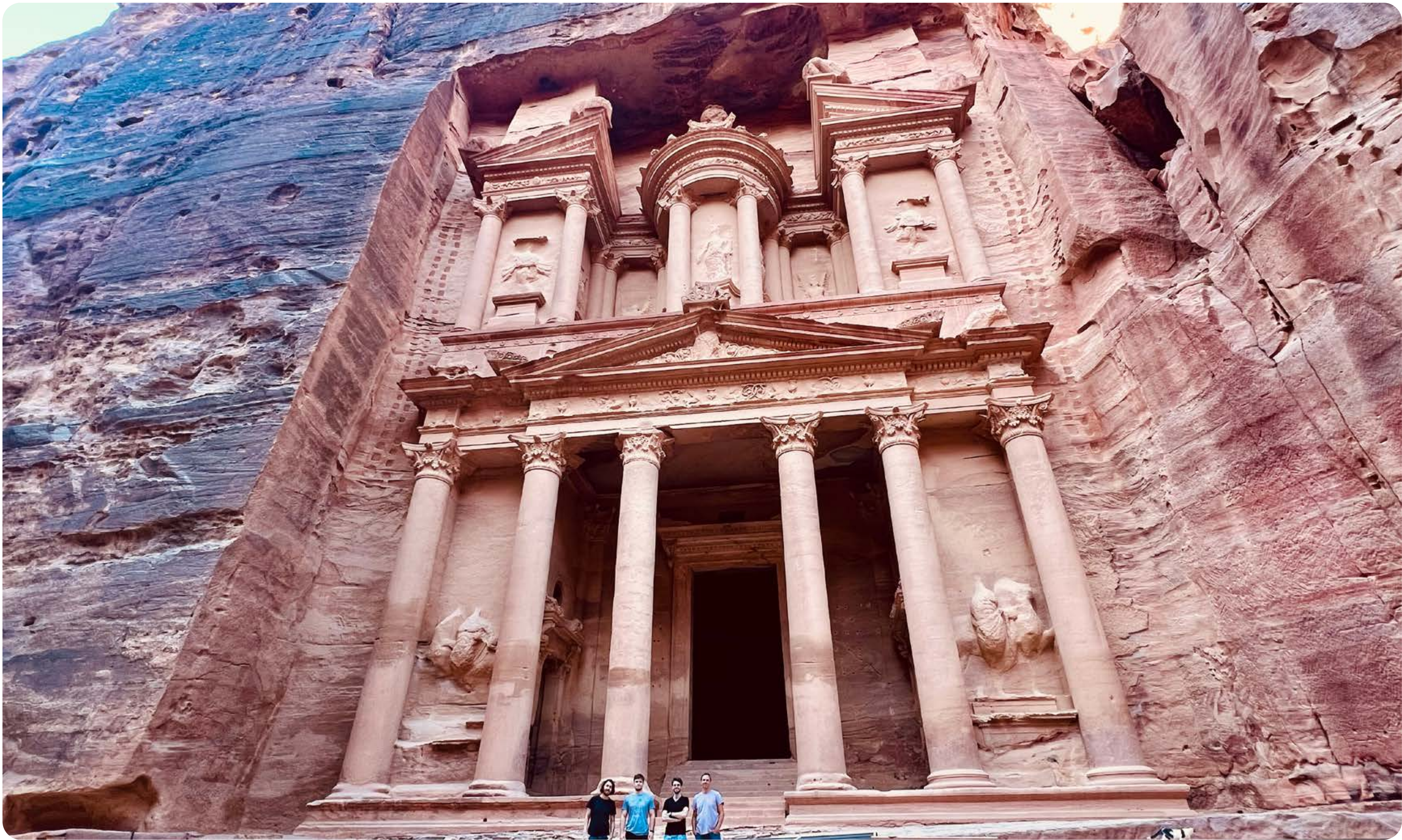


INTERNATIONAL SDG PROJECT

COLLABORATIVE ROBOTICS

MEETS INTERCULTURAL EXCHANGE



RESULT REPORT

From September 16 to 22, 2025, the robotics laboratory of the Department of Computer Science at Trier University of Applied Sciences, headed by Prof. Dr. Jürgen Graf, visited the German-Jordanian University (GJU) in Amman. The trip took place as part of the DAAD-funded project “International Student Projects on the Sustainable Development Goals (SDGs) in Blended Mobility Format” and served to further internationalize Trier University of Applied Sciences. The hosts were mechatronics professors Dr. Mutaz and Dr. Hisham, with whom there is a close partnership.

The focus was on a student development project that combined mobile and stationary robots into a collaborative system. Accompanying lectures provided insights into the research conducted at Trier’s laboratories for cognitive systems and robotics, particularly on topics such as sensor technology, AI, control systems, and actuators. The goal was to develop intelligent, autonomous, and cooperative robot systems that can work together in complex environments.

The synergies between the participating universities – expertise in software, algorithms, control and mechanics – resulted in a joint demonstrator that made the collaboration tangible. Prof. Graf emphasized that the exchange not only promotes technical competence in the STEM field, but also the personal development of the students.

In addition to research, intercultural encounters and impressions from Amman and Jordanian culture shaped the stay. Prof. Graf praised the warmth of the people and the inspiring cooperation: “Teamwork makes the dream work.” A continuation of the cooperation with GJU is already planned and is intended to further strengthen the long-term partnership in the field of cognitive robotics systems.

TITLE
Collaborative robotics meets intercultural exchange

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Computer Science

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