## THE SECOND SAUDI INTERNATIONAL CONFERENCE ON NUCLEAR POWER ENGINEERING (SCOPE-2)

Contribution ID: 25236 Type: Extended Abstract

## Prediction of turbulent heat transfer using Physics Informed Machine Learning

Monday, 3 November 2025 13:15 (15 minutes)

## **Technical Track**

Nuclear Thermal-Hydraulics

Primary author: OTIC, Ivan (Karlsruhe Institute of Technology (KIT), Germany)

Co-authors: ARI, Ismail (Ozyegin University, Istanbul, Türkiye); ERTÜNC, Özgür (Ozyegin University, Istanbul,

Türkiye)

**Session Classification:** Thermal Hydraulics