



Image: Rabbinic Network

Intellexus Guest Lecture Series

Thursday, 20 November 2025

13:30

Alsterterrasse 1, Rm. 106 & Zoom

Nati Ben Gigi
(Bar Ilan university)

From Legacy to Science: Developing and Analyzing Citation Networks in Halakhic Literature with Artificial Intelligence

Identifying references and sources within texts is a powerful lens for studying how knowledge is created, disseminated, and transmitted. This talk presents an AI-based system for the automatic extraction of references from medieval rabbinic literature. We will outline the system's end-to-end pipeline—from text preprocessing and reference detection to normalization and linkage. We will then demonstrate research applications enabled by these outputs, including mapping channels of knowledge transfer across communities throughout the Jewish world and reconstructing networks of intellectual influence. Finally, we will show how the extracted reference signals can assist in authorship identification for anonymous texts.