

PhD open positions at the *International Helmholtz-Weizmann Research School on Multimessenger Astronomy (MM School)*

Application time: 01.10.2020 - 08.11.2020

About the Research School: The school aims at bringing highly qualified and motivated graduate students to the forefront of the field of multimessenger astronomy through a world-class international training environment. PhD students will work with leading scientists in the field and benefit from their complementary expertise in theory and experiments involving the various messengers. Collaboration between students and researchers at the partner institutions is facilitated through a lively exchange program. The professional training of students includes data science as a supporting component of the school. Furthermore, the school offers a number of individual measures to promote career development. Depending on the primary location (Germany or Israel), the PhD will be earned either at the Humboldt-University Berlin, at the University of Potsdam or at the Weizmann Institute of Science in Israel.

The research field: Multimessenger astronomy, the exploration of the Universe using information from a multitude of cosmic messengers, including electromagnetic radiation, neutrinos and gravitational waves, has led to several groundbreaking discoveries during the last few years with significant contributions from the partner institutions. Through the development of better theoretical understanding, novel ways to combine the data and access to most sensitive instrumentation, members of the school will be optimally trained and positioned in this emerging field.

Partners of the school are DESY and the Weizmann Institute of Science, as well the Humboldt-University Berlin and University Potsdam. The school is receiving significant funding through the Initiative and Networking Fund of the Helmholtz Association.

Admission: Each year approximately 10 students from countries around the world are admitted to the school. Accepted students can start their PhD as soon as possible, but the exact starting date needs to be discussed with the respective project leaders.

For more information including how to apply go to www.multimessenger-school.de.