



The detection of habitable planets, their atmospheres and habitability

Heike Rauer

DLR, Institute of Planetary Research, Berlin, Germany (heike.rauer@dlr.de, 0049 30 67055340)

The detection of terrestrial planets in the habitable zone (HZ) and the subsequent detection of habitable conditions and signatures for life on these planets are among the most interesting, but challenging, goals of exoplanet research. This talk will review the status and future prospects for the detection of terrestrial planets in the HZ. Results of model simulations of terrestrial exoplanet atmospheres will then be used to discuss the detectability of spectral signatures to infer habitability or even signatures of life under various conditions.