



## **The SIR-2 Experiment on Chandrayaan-1**

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The SIR-2 experiment, flying on the Indian Chandrayaan-1 mission to the Moon, is a near-infrared point spectrometer of the second-generation built by a European collaboration around the Max-Planck Institute for Solar System Research. SIR-2 has been designed based on the heritage of the SIR Technology experiment on ESA's SMART-1 mission, in order to investigate the mineralogical composition of the Moon for a period of two years. The SIR-2 instrument, which will operate in conjunction with the Indian Hyper-Spectral Imaging spectrometer (HySI) on board Chandrayaan-1, will cover, together with HySi, a combined spectral range of 0.4 to 2.4  $\mu\text{m}$ . We will explain the SIR-2 experiment and report on the performance of the instrument during its commissioning phase to deliver high spatial and spectral near-infrared data from its first 100 km polar orbits around the Moon.