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SPIRou spectropolarimeter in operation at CFHT

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The near-infrared spectropolarimeter SPIRou is now in operation on the 3.6-m Canada-France-Hawaii telescope and recently started its survey. Thanks to its unique combination of a wide simultaneous spectral domain (0.98-2.35 μm, YJHK bands), a high throughput (>10% in H and K bands), a resolving power of 70'000, a radial-velocity precision close to 2 m/s, and polarimetric capabilities, SPIRou is expected to play a key role on the detection and characterization of planetary systems around nearby M dwarfs. Here we present the main characteristic of the instrument and the main results obtained during commissioning.

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