

# GHOST: The Gemini High-Resolution Optical Spectrograph

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## **Abstract**

The Gemini High-Resolution Spectrograph (GHOST) is the next facility instrument for the Gemini Observatories. It is being developed in collaboration with the Australian Astronomical Observatory (AAO), NRC-Herzberg, and the Australian National University (ANU). GHOST will provide  $R=50,000$  and  $R=75,000$  spectroscopy with simultaneous wavelength coverage between 363 and 950 nm. GHOST supports simultaneous observation of two objects at  $R=50,000$  and a single object at  $R=75,000$ . I will present the design of the spectrograph, and report on the status of the instrument, currently in the build phase.