

Seminario

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GeMS and GSAOI: instrument capabilities and science results



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The Gemini Multi-conjugate Adaptive Optics System (GeMS) is a facility AO system at Gemini South telescope and the first MCAO system in use in an 8 meter telescope. The Gemini South Adaptive Optics Imager (GSAOI) is a near-infrared wide-field camera is use in conjunction with GeMS. GeMS and GSAOI are unique and complex instruments. Together deliver uniform, near-diffraction limited image quality at near-infrared wavelengths over a 85" x 85" field of view. In this presentation I summarize the main capabilities of these two facility instruments, describe the overall system performance, highlight the most important scientific results, and discuss future directions.