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**Large Telescopes and Instrumentation of the Future**

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An exciting array of new ground-based facilities may lie in our future. Upcoming or planned wide-field projects will parameterize dark energy, map dark matter, and pinpoint the baryon acoustic oscillations. Large-aperture, narrower-field facilities will trace the formation of galaxies and black holes from extremely early epochs in the universe and unveil the mysteries of planet formation. I will describe some of the plans and the key science cases for the next generation of optical and infrared ground-based facilities.