Options for Scientific and AO Detector Control in the era of ground based Extremely Large Telescopes

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• Commercial, in-house developments or even ASIC, what is the preferred option and why?
• Can an ASIC ever be a solution for a ground based generic detector controller?
• Can we cover all the detector requirements with one system design?
• Are detector voltage and current monitoring a prerequisite for any design?
• What ideas are proposed at other institutes?
• Will future detectors be integrated with full built in control, simplifying external control systems
• What other future technology trends are foreseen and applicable to detector operation?