Instruments Technology for Thai’s astronomy

[National Astronomical Research Institute of Thailand]
Instruments technology under Newton fund

Modern Telescope Control System, LJMU

Adaptive Optic, Durham

Astronomical Detector
Detector in NARIT

1. 4k ARC (Astronomical Research Camera) on 2.4 m telescope
2. UltraSPEC (High Speed Camera) from University of Sheffield and the University of Warwick
3. Commercial CCD or CMOS (Andor, FLI, Apogee, ZWO ..)

Proposal

1. Design and develop fast camera (hardware and software) like UltraSPEC
2. Upgrade 4k ARC to be fast camera
3. Set up detector lab in NARIT in order to design and develop a detector for astronomy (IR, X-ray..)
4. Transfer technology to academic
NARIT’s facilities to support

• Mechatronics workshop
• High precision machining workshop
Welcome any instrument