

LDT Staff

Instruments				
Instrumentation Main Page				
<u>Facility Instruments:</u>				
Quick Links	LDT Observer Information Home	Facility	Large Monolithic Imager (LMI)	At the Telescope
	Instrumentation	LDT Science Schedule	DeVeny Optical Spectrograph	Observing Planning
	Applying for Observing Time	LDT Staff	NIR Spectrograph (NIHTS)	Applying for Observing Time
	Observing Run Planning	Telescope	<u>Visitor / PI Instruments:</u>	Planning Checklist
	At the Telescope (Printable Logsheets)	Site Information	High-Res Spectrograph (EXPRES)	Remote Observing
	After Your Observing Run	Weather	Speckle Imager (QWSSI)	LDT Startup Procedures
	First-Time Users	Acknowledging LDT	High Speed Imager (POETS)	Closure Conditions
	Logistics	Selected Technical Publications	NIR Spectrograph (RIMAS)	Night Feedback Form
	LDT Important Notes			End of Night Tasks
<u>User Manuals:</u>				
LMI Manual				
DeVeny Manual				
NIHTS Manual				

Leads

LDT Leads are responsible for the overall operation of the facility. Please direct high-level inquiries to these individuals, who will pass along questions to the appropriate staff members as needed.

Dr. Stephen Levine - Astronomer, LDT Scientist, Director of Education

Dr. Kyler Kuehn - Director of Technology

Operations Staff

Operations Staff are responsible for the safe operation of the telescope at night. Remote observers should contact their operator(s) no less than a full day ahead of their observing session to confirm when and how they will be in contact. The [semester science calendar](#) contains the list of operators for a given night. The night operations staff may be collectively contacted at (ldtoperator at lowell dot edu).

Dr. José Fernandez – LDT Night Operations Manager

Beck Maier – LDT Operator

Ishara Nisley – LDT Operator

Benjamin Shafransky – LDT Operator

Instrument & Engineering Staff

The Instrument and Engineering Staff comprise the LDT day crew. These individuals keep the LDT running smoothly through regular monitoring, maintenance, and upgrading of all telescope and facility systems.

Lowell Instrument Group:

Dr. Ryan Hamilton - Head of Instrumentation

Tom Bida - Senior Instrument Scientist

Michael Collins - Electronics Specialist

Ben Hardesty - Instrument Scientist

Ben Reed – Instrument Specialist

Dyer Lytle - Software Engineer

Thomas Kelley - Research Assistant, Optics and Photonics Applications Laboratory

LDT Engineering Group:

Frank Cornelius - Engineering Manager

Khristian Jones - Associate Electrical Engineer

Dr. Georgi Mandushev - Research Scientist and Facility Software Support

Mike Sweaton - LDT Electronic Engineer

Jake Tiegs - Mechanical Technician

Science Support

The LDT provides a Support Astronomer for assisting with observation planning, first-night observing support, and general questions about the facility. The LDT does not operate in 'queue' or other non-classical observing modes at this time, and the Support Astronomer cannot serve as the observer's proxy during assigned nights.

Dr. Timothy Ellsworth-Bowers - Support Astronomer

Instrument Leads

Each of the instruments available for use at LDT has a main contact person. For Facility Instruments, observers are encouraged to carefully read through the instrument manual, and contact the instrument lead in instances of technical challenges or needed changes in the manual. The use of Visitor and PI instruments must be coordinated through the listed instrument lead, as the LDT staff do not directly support these instruments.

LDT Facility Instruments:

LMI (Large Monolithic Imager) - Dr. Phil Massey

DeVeny Optical Spectrograph - Tom Bida

NIHTS (Near IR High Throughput Spectrograph) - Dr. Nick Moskovitz

Visitor / PI Instruments:

EXPRES - Dr. Debra Fischer (Yale) / Dr. John Michael Brewer (SFSU)

POETS - Dr. Stephen Levine (Lowell)

QWSSI - Dr. Gerard van Belle (Lowell)

RIMAS (coming soon) - Dr. Alexander Kuttyrev (GSFC/UMd)

Logistics Contacts

The Lowell Observatory IT and Business Office Staff can assist with issues relevant to observing at the LDT.

IT issues - John Kullman, or IT .at. lowell.edu

Lodging - Dr. José Fernandez

General - Catie Blazek

If you want to contact one of these people, try constructing their email as "first initial + last name at lowell dot edu". If that does not work, email (tac at lowell dot edu) and we will help you reach the right person.