



MMT Observatory's
40th Anniversary Symposium & Celebration
Program

Monday, 13 May 2019

9:00 AM	Mt. Hopkins Tour	
7:30 PM	Steward Observatory Public Evening Lecture – Steward, Room N210 “Still Innovating and Discovering! - The MMT Turns 40” followed by viewing of the 21-inch Ray White Telescope	Don McCarthy

Tuesday, 14 May 2019

9:00 AM	Welcome	Grant Williams
9:10	You Can't Do It That Way: Stories from the MMT Construction	Bill Hoffmann
9:40	Early Science with the MMT	David Latham
10:00	From Polishing the Original Six Mirrors, Phasing Them with Laser AO and a Neural Net, to Making the Single Mirror	Roger Angel
10:30	Break/Posters	
11:00	Making the 6.5m Primary Mirror for the MMT Upgrade	John Hill
11:20	Two Horses One Coach	Nick Woolf
11:40	A Brief History of Binospec	Dan Fabricant
12:10 PM	Lunch	
1:40	Going Deep with Binospec: Evolution of Ultra-Diffuse Galaxies from Their Internal Dynamics and Stellar Contents	Igor Chilingarian
2:00	MMT's Powerful Large Field of View Multi-Object Spectroscopy Probes Star Formation in the Milky Way	Serena Kim

2:20	Constraining the Formation Timescale of Star Clusters with Hectochelle	Beomdu Lim
2:40	Spectroscopic Studies of Young Stellar Objects in Nearby Star Forming Regions with MMT in Past Decades	Min Fang
3:00	Break/Posters	
3:30	Gravitational Wave White Dwarf Binaries	Warren Brown
3:50	MAPS: Upgrading MMT AO with 3rd-Generation ASM Technology and ARIES with High-Resolution Spectroscopy for Characterizing Exoplanets	Phil Hinz and Katie Morzinski
4:20	New Capabilities for Science with ARIES and MMTAO	Craig Kulesa
4:40	The MMT at 50 Years Old: What Should the MMT be in 2029?	Daniel Eisenstein
5:00	Discussion on future instrumentation	
5:30	Opening Reception and Group Photo – ENR2 Rooftop	

Wednesday, 15 May 2019

9:00 AM	Massive Stars in M31 and M33: What the Mighty MMT Has Taught Us	Philip Massey
9:20	Discovering and Characterizing Binary Red Supergiants	Kathryn Neugent
9:40	Chasing Gamma-Ray Bursts with the MMT	Wen-fai Fong
10:10	Rapid Follow-Up of Gravitational Wave Events with SAGUARO and the MMT	Kerry Paterson
10:30	Break/Posters	
11:00	Results of the Arizona Transient Exploration and Characterization Program over the Past 5 Years	Jennifer Andrews
11:20	Getting Supernovae into Shape with the MMT	Grant Williams
11:40	Asphericities in Type II _n Supernovae Revealed by MMT Blue Channel and SPOL data	Christopher Bilinski
12:00 PM	End of Day 2 Symposium - Free Afternoon/Posters	
1:30 – 5:00	Optional Workshops	
1:30	How to Prepare for Your Observing Run with the MMTO Scheduler Database	Joannah Hinz, Tim Pickering, Ben Weiner, Dallan Porter, Chun Ly, ShiAnne Kattner

2:15	How to Design Masks for MMIRS and Binospec	Igor Chilingarian, Kirill Grishin, Chun Ly, Ben Weiner, Tim Pickering
3:15	Using the Data Reduction Pipelines for MMIRS and Binospec	Igor Chilingarian, Chun Ly, Ben Weiner, Tim Pickering
4:00	How to Communicate Your Science Result	Amy Oliver, Joannah Hinz, ShiAnne Kattner
5:30	Banquet at Kingan Gardens	TBD

Thursday, 16 May 2019

9:00 AM	The Galactic Stellar Halo Revealed by the H3 Survey	Charlie Conroy
9:30	Hectochelle and Dwarf Galaxies: 2005-present	Edward Olszewski
9:50	The Ophiuchus Stream - Longer, but Still Short	Nelson Caldwell
10:10	Break/Posters	
10:40	Hectospec is Shedding Light on Black Hole—Galaxy Co-Evolution in Extragalactic Surveys	Andy Goulding
11:00	The HectoMAP Cluster Survey	Jubee Sohn
11:30	Rare Views of Galaxy Cluster Laboratories: a Redshift Survey in the Field of PLCK G165.7+67.0	Brenda Frye
11:50	Lunch	
1:20 PM	Attack of the Lyman-Alpha Blobs: A Multi-Wavelength and Polarization Study using MMT	Ann Zabludoff
1:50	Pushing the limit of the MMT: Chemical Abundances for Low-Mass Galaxies from the MACT Survey	Chun Ly
2:10	Extremely Metal-Poor Galaxies as Stellar Laboratories	Peter Senchyna
2:30	Break/Poster	
3:00	High-Resolution Companion Searches with the MMT: Implications for Star and Planet Formation	Jenny Patience
3:30	Probing Exoplanet Atmospheres with Binospec	Ben Rackham
3:50	ACCESS-North: Exploring the CO/CH ₄ Temperature Boundary	Ian Weaver

4:10	Status of the Telescopio San Pedro Martir	Jesus Gonzalez or Michael Richer
4:40	Beyond the Successes of MMT -- A Bright Future for 6.5-m Observatories	Jeff Kingsley

Posters

MMT Observations of the JWST Time Domain Field	Christopher Willmer
The MMT's View of PKS1502+106: The Highest Optical Polarization Ever Seen in a Quasar	Paul Smith
Star-Formation Histories of Diffuse Post-Starburst Galaxies in Coma and Abell 2147	Kirill Grishin
Highly Cited Papers from the MMTO	Joannah Hinz
ISM around Pulsar	Poshan Belbase
Searching for the Most Distant Quasars with the MMT: 2002 – 2019	Xiaohui Fan
Discovery of the First Gravitationally Lensed Quasar in the Reionization Epoch using MMT	Jinyi Yang
BLAS: The Binospec Lyman Alpha Survey	Rohan Naidu