

Developing a Model for Broad US Participation in TMT

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(NOAO)

July 22, 2013



TMT Science Forum

Tuesday, July 23, 13

GSMT

- Decadal Survey recommendation
 - Giant Segmented Mirror Telescope was a project presented to – and recommended by – the last two astronomy decadal surveys
- NSF solicitation
 - establish an initial framework for a U.S. community partnership in a proposed GSMT for design work, construction, instrumentation, and/or operations.
- NSF-TMT CA
 - Awarded March 2013
 - 5 year program
 - NOAO assisting in organizing and carrying out activities
 - IPAC supporting community interaction
 - Mike Bolte (UCSC), Todd Boroson (NOAO), Tony Travouillon (TMT), Gordon Squires (TMT), Warren Skidmore (TMT)

Activities

- NSF representatives participation in TMT
 - Board
 - SAC
- Community engagement
 - Forum
 - Annual internal US activity around January AAS
 - Ongoing community outreach
 - US TMT Science Working Group
 - ISDTs
 - Visits to astronomy/physics departments to present and discuss TMT
- Participation in EPO activities
- Develop model for partnership
 - Science priorities
 - Instrumentation (including potential participation)
 - Operations and data management

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US TMT SWG

Todd Boroson	NOAO	Lucas Macri	Texas A&M
Ian Dell'Antonio	Brown U.	Paul Martini	Ohio State U.
Mark Dickinson	NOAO	Susan Neff	GSFC
Anthony Gonzales	U. Florida	Deborah Padgett	GSFC
Stephen Kane	IPAC	Lisa Storrie-Lombardi	IPAC
Jennifer Lotz	STScI	Charles Telesco	U. Florida

- Planned activities for SWG
 - Participate in community engagement activities
 - Participate (as representatives of US community) in partnership-wide activities
 - Solicit input from community in order to
 - Produce (to guide future NSF-TMT discussions)
 - US TMT Science Plan
 - Implications for TMT capabilities and operations

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Status of effort

- Regular interaction of groups working in support of NSF-TMT CA
- SWG formed
- First TMT Science Forum (34 participants from mainland U.S. non-TMT institutions)
- Talks planned (UCSB/LCOGT, Cornell U., Penn State U., U. Cincinnati)
- TMT Town Meeting and presentations being planned for January AAS meeting
- EPO activity started

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Contact us to get more information
or to get involved!

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