

Science with Giant Telescopes: Public Participation in TMT and GMT

June 15-18, 2008
InterContinental Hotel, Chicago, Illinois
REVISED FINAL AGENDA – June 15, 2008

Sunday, June 15, 2008

7:00-9:00 pm *Evening Reception and Cash Bar (Camelot Room)*

Monday, June 16, 2008

7:30-8:30 am *Continental Breakfast & Registration (Grand Ballroom Balcony/Grand Ballroom)*

All workshop sessions and breaks are in the Grand Ballroom

8:30-8:35 am Conference Organizers' Welcome

8:35-8:45 am NSF Statement: Wayne van Citters

8:45-8:55 am TMT Statement: Mike Bolte

8:55-9:05 am GMT Statement: Wendy Freedman

9:05-10:05 am GMT: Science Drivers & Design Philosophy: Steve Sheckman/Pat McCarthy

10:05-10:30 am Break

10:30-11:30 am TMT: Science Drivers & Design Philosophy: Jerry Nelson/Charles Steidel

11:30 am-12:00 pm E-ELT: Status of project: Markus Kissler-Patig

12:00-1:30 pm *Lunch (Grand Ballroom Balcony)*

1:30-2:20 pm *Science Use Cases, Session I (Moderator: Jay Frogel)*

Knut Olsen: Star Formation History of Disk Galaxies (20 min)

Michael Pierce: Quantifying the Assembly History of Elliptical galaxies (10 min)

Josh Simon: Constraining the Nature of Dark Matter with the Next Generation of Telescopes (10 min)

2:20-3:10 pm *Science Use Cases, Session II (Moderator: Nick Suntzeff)*

Verne Smith: Chemical Evolution in Resolved Stellar Populations in Nearby Galaxies (10 min)

Stephen Zepf: M_{BH} – sigma at low masses (10 min)

Shrinivas Kulkarni: Compact Objects (10 min)

John Middleditch: Optical Pulsars in GRBs and SNe (10 min)

3:10-3:35 pm Break

3:35-4:35 pm *Lessons Learned: Operating Modes and TACs*

Moderator: Mario Mateo

David Silva – Operating Modes

Letizia Stanghellini – TAC issues, TOO's, program sizes, surveys, coordination with other facilities

4:35-5:25 pm *Science Use Cases, Session III (Moderator: Joan Najita)*

Dave Jewitt: Solar System Studies (20 min)

James Graham: Direct Imaging of Exo-Planets (20 min)

5:25 pm Adjourn

Tuesday, June 17, 2008

7:30-8:30 am *Continental Breakfast (Grand Ballroom Balcony)*

8:30–9:20 am *Science Use Cases, Session IV (Moderator: Scott Fisher)*

Joan Najita: MIR Spectroscopic Studies of Star & Planet Formation Environments (15 min)

John Bally: 30-m ExAO Observations of protoplanetary Disks and protostellar Outflows (15 min)

Charles Telesco: MIR Observations of Disks (10 min)

9:20–10:35 am *Astronomy's Changing Scientific Culture*

Moderator: Ata Sarajedini

Alan Dressler – Private/Public Collaboration, goals and performance

Mark Dickinson – Multi-wavelength, multi-collaborator, surveys

David Silva – Data Products & Pipelines

George Djorgovski – Archives & NVO

10:35–10:55 am Break

10:55 am –12:10 pm *Science Use Cases, Session V (Moderator: Pieter van Dokkum)*

Alan Stockton: Outflows from Radio-Loud Quasars (10 min)

Chris Packham: Mid-IR Observations of AGN (10 min)

Ken Chambers: Pan-STARRS as the “Finder Scope” for Giant telescopes (15 min)

Joss Bland-Hawthorn: Photonic OH-Suppressed Spectrograph: The Next Wave in Observational Cosmology (15 min)

12:10 -1:40 pm *Lunch (Grand Ballroom Balcony)*

1:40–2:40 pm *Evolution of “the System”*

Moderator: Charles Bailyn

Caty Pilachowski – O/IR telescopes of 1-8-m

Michael Strauss – Surveys and Time Domain astronomy (LST)

Todd Boroson – Evolution of the System

2:40–4:05 pm *Science Use Cases, Session VI (Moderator: Rolf Kudritzki)*

Pat McCarthy: The Ly α Luminosity Function at $z > 6$ and Early Star Formation (20 min)

Betsy Barton: Observations of First Light in the Universe (20 min)

Charles Steidel – IGM Tomography and the Galaxy IGM/Interface (10 min)

Judy Cohen: High Resolution Spectroscopy with an ELT (10 min)

Jeff Cooke: Detection of $2 < z < 6$ Type II In Supernovae (10 min)

4:05–4:25 pm Break

4:25–5:25 pm *Public Participation: Planning and Instrumentation*

Moderator – Doug Simons

Instrumentation and Partnership Opportunities

Luc Simard – TMT

Steve Sheckman – GMT

5:25 pm Adjourn

6:30 pm *Dinner (Ferris Room)*

Bruce Carney:

“Thoughts about the Private/Public Face of Ground-based OIR Astronomy in the US”

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Wednesday, June 18, 2008

7:40-8:40 am *Continental Breakfast (Grand Ballroom Balcony)*

8:40-9:40 am *Panel Discussion: Review of issues raised at the Workshop*

9:40-10:40 am *Wrap-up discussion:*

- Community aspirations with respect to GSMT and expectations for involvement.
- Overview of how the rest of the OIR System will evolve to provide complementary capabilities.
- Review process for developing a report on the Workshop that can be submitted to the OIR Panel of the Decadal Survey.
- Assess areas of consensus and disagreement and discuss next steps in the process.

10:40-11:00 am Break

11:00 am-12:00 pm *Wrap-up discussion (continued)*

12:00 pm Adjourn