



# Introduction to Detector Characterization Sessions

**Keith Riles (University of Michigan)**

***LIGO Scientific Collaboration Meeting  
LSU – August 16, 2006***

# Organizational Issues

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## Old scheme:

**Detchar working group with investigation teams**

## New scheme:

**Detchar committee with working groups**

**Semantics? – Yes and No – Don't fix what ain't broke**

## **But improvement is possible:**

- **Improved reporting and accountability  
(annual progress reports and white paper updates)**
- **Better sense of where more help is needed**

# New Working Groups

<b>Working Group</b>	<b>Chair(s)</b>
Glitches	Laura Cadonati & Shourov Chatterji
Spectral Lines	Keith Thorne
Environmental Disturbances and Channels	Robert Schofield
Timing Precision and Stability Monitoring	Szabi Marka & Daniel Sigg
Upconversion	Sam Waldman
Inter-channel Correlations	Nelson Christensen
Data Quality and Validation	John Zweizig
Hardware Signal Injections	Vuk Mandic & Peter Shawhan
Data Set Reduction	Isabel Leonor & Greg Mendell

GEO collaborators have been invited to name a GEO liaison for each LIGO detchar working group

- Report on related GEO detchar issues
- Report back to GEO on LIGO detchar work

Formally, the Detector Characterization Committee consists of the **working group chairs**, three at-large members appointed by the LSC Spokesperson (**Rana Adhikari, Gaby Gonzalez, Erik Katsavounidis**) and **KR** as Chair.

→ Will serve as steering group for detchar activities

# Organizational Meeting here Thursday after lunch (before closeout)

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## Agenda

Round table on ideas for more effective detchar work

- Recruiting new working group members (including operators)
- Coordination among working groups
- Do we need additional working groups?
- Documentation (web pages, annual report, white paper)

**Committee meeting will be open – any member of the detchar community is welcome to attend and contribute ideas**

# Scimon Camp Friday

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[Link to Program](#)

Signup sheet for transportation available later today at  
Linda Turner's table outside the plenary room

More drivers needed!

# Detchar Sessions

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**Lots of activity:**

**Presentations**

**Looking forward to interesting reports!**