

Slide 1

**LSC – Advanced Interferometer Configurations**

Technical Working Group – Progress and Plans

- Topics & Objectives
- Schedule

Slide 2

**Key Objectives**

- (1) Configuration Design Requirements Review
  - Can we prepare this?
  - How much work do we still need to do?
  - Do it (or assign it).
- (2) Technical Progress review
  - Benchmark experiment results (deadline)
  - New ideas survey
  - Identify weak areas

**Slide 3**

**Other questions**

- (1) Inter WG dependencies?
  - Silica/Sapphire – no real change to configuration work (details)
  - Thermo-elastic noise – ditto (changes requirements in small details)
- (2) Effort needed to make group work
  - Do we have enough?
  - Identify weak areas

**Slide 4**

**Schedule**

- (1) Today
  - Review of Bench-top experiments and new ideas
- (2) Friday
  - Design requirements for LIGOII & Glasgow experiments
- (3) Saturday
  - Design requirements for LIGOII & 40m experiments
  - (includes 40m Oversight meeting)