

**Attachment Number 4 to the  
Memorandum of Understanding (LIGO-M970009-00-M)**

**between the**

**TAMA Project, Japan**

**and the**

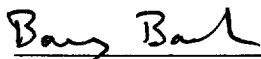
**Laser Interferometer Gravitational Wave Observatory (LIGO) Project**

**May 1, 2000**

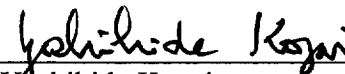
This Attachment to the Memorandum of Understanding LIGO-M970009-00-M describes a cooperative research effort between the TAMA Project, Japan and the Laser Interferometer Gravitational-Wave Observatory (LIGO) Laboratory to improve the interferometer simulator e2e. The period of performance for the activities in this Attachment is from May 1, 2000 to April 30, 2001. This period may be modified by agreement to a revision of this Attachment.

1. The goal of this work is to develop and utilize simulation softwares for TAMA and LIGO. This will be accomplished by exchanging simulation softwares developed by each group, and by reporting to each other the comparison of the measurements and the simulated results.
2. This task will be led by Masatake Ohashi for TAMA and Hiro Yamamoto for LIGO.
3. Technical, Schedule and Cost Reporting - The status of the work will be reviewed in a monthly teleconference involving all interested parties from TAMA and LIGO. The emphasis of these meetings will be on technical and schedule issues.
4. Cost - Each group will be responsible for the salaries and travel expenses of its staff participating in this effort. Reciprocal Exchange visits are also expected. The main work will take place at TAMA.

Approved:



Barry Barish  
LIGO Laboratory Director



Yoshihide Kozai  
TAMA Principal Investigator

3-23-00

Date

4-4-00

Date