



## AGREEMENT

### on Cooperation on the Study of Fire Safety in Buildings and Industrial Facilities between the Building and Fire Research Laboratory and the State Key Laboratory of Fire Science

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#### I. Background and Objective

Improving fire safety in buildings and industrial facilities is critical to the reduction of lives and property lost to unwanted fires. Scientists in the Building and Fire Research Laboratory (BFRL) and the State Key Laboratory of Fire Science (SKLFS) are interested in continuing cooperation between the two institutions to enhance fire safety in commercial and industrial applications. The intent of this agreement is to continue such cooperation.

The first such cooperative agreement, Cooperation on Study of Fire Safety of Tall Buildings between BFRL and SKLFS, was signed on September 26, 2002 for an initial period of three years by Dr. Jack Snell, then BFRL Director and Professor Fan, Director of SKLFS. Since then, the cooperation between BFRL and SKLFS has resulted in two seminars on Fire Safety of Tall Buildings, one hosted by SKLFS in China in September 2005 and one by BFRL in U.S. in April 2006. In addition, scientists from both laboratories have made exchange visits. A delegation from SKLFS also came to BFRL to attend the 2006 BFRL Annual Fire Conference and 2006 Performance-based Design Workshop. Two BFRL scientists were appointed as visiting professors of SKLFS and two SKLFS researchers came to BFRL as visiting scientists. Through such cooperation, SKLFS has been recognized as a reliable partner and a leader, internationally, in fire safety research.

This agreement is a statement of intent of the parties to cooperate and does not create legal rights or responsibilities. This agreement is not legally binding upon the parties.

#### II. Contents

The following specific research areas have been identified for cooperation:

- Analysis of fire codes and practices
- Fire service technologies and guidelines
- Response of structures to fire
- Simulation of building and industrial fires
- Modeling egress and human behavior during evacuation
- Other contemporary fire safety research areas

This work could involve theoretical analyses, experimental investigations and numerical simulations, and may call upon experts from other Chinese fire research institutions affiliated with SKLFS.

### III. Achievement and Expenses

The cooperative study listed above will provide scientific bases and supports for

- Better understanding of fire safety, such as structure response to fire
- Improvement of fire service technologies and guidelines
- Modification of standards, codes and practice on fire safety

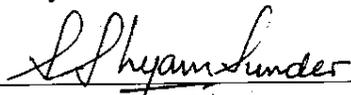
Accomplishments, technical results, and publications from this joint effort will be shared by both BFRL and SKLFS and will be made publicly available. BFRL and SKLFS will be responsible for their own research funds; neither party is required to obligate funds to the activities planned under this agreement.

### IV. Notes

This agreement is effective after the signatures by two persons who are in charge of the cooperation on each side respectively, and shall remain in full force for a period of five years. Either side may withdraw from the agreement within 60 days after notifying the other party in writing. The agreement may be extended, revised, amended or substituted upon agreement of both parties in writing whenever necessary.

There are two copies of this agreement, and each side will keep one of them.

Dr. S. Shyam-Sunder

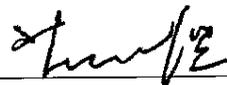


Acting Director

Building and Fire Research Laboratory

Date: November 8, 2006

Prof. Fan Weicheng



Director

State Key Laboratory of Fire Science

Date: 2006.11.8