MEMORANDUM OF UNDERSTANDING
BETWEEN
DEPARTMENT OF COMPUTATIONAL SCIENCE AND ENGINEERING,
YONSEI UNIVERSITY
AND
FIRE RESEARCH DIVISION, ENGINEERING LABORATORY,
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY

This Memorandum of Understanding (MOU) is entered into by and between The Department of Computational Science and Engineering, Yonsei University, hereafter “Yonsei”, with a registered address at 50 Yonsei-ro, Seodaemun-gu, Seoul, 120-749, Korea, and Fire Research Division, Engineering Laboratory, National Institute of Standards and Technology, hereafter “NIST”, with a registered address at 100 Bureau Drive, Gaithersburg, MD 20899, USA. Yonsei and NIST are referred to collectively, as “Parties” or individually as “Party”.

1. Purpose

The Parties recognize the value of collaboration, cooperation, and research student exchanges between the two institutions. The purpose of this MOU is to foster a collaborative framework between Yonsei and NIST in the field of computational science and engineering with a view to benefiting from each other’s initiatives and to support collaboration among the researchers associated with both Parties.

2. Scope

This MOU is a statement of the intentions of the Parties for such collaboration, cooperation, and research student exchanges; this does not create any legally binding commitments. No legal rights or obligations are created by this MOU and the provisions of this MOU are not legally enforceable. If the Parties later agree to undertake specific joint projects with legally binding obligations, they will develop separate written agreements for such projects, setting out each Party’s contributions, deliverables, and budgets. The Parties have agreed upon the following:

- to encourage visits by faculty or research staff for the purpose of engaging in research and educational activities
- to support the exchange of graduate and research students
- to foster the exchange of academic publications and scholarly information
- to develop joint research activities and to promote other academic activities

3. Costs

Each Party will be responsible for its own costs in connection with all matters relating to collaborations under this MOU. Where possible and appropriate, the Parties may also seek funding for collaborations from United States and Korea research agencies.
4. Limitations
The terms of cooperation for each specific activity implemented under this MOU shall be mutually discussed and agreed upon in writing by both Parties prior to the initiation of that activity.

As both Parties are aware of existing restrictions in their respective budgets, they will, as a rule, not enter into financial commitments that reach beyond such limits for each item of this cooperation. Therefore, financial aspects shall also be regulated on a case-by-case basis. This Agreement does not create an obligation of funds. All activities contemplated herein are subject to the availability of funds and other necessary resource to the parties.

5. Renewal, Termination, and Amendment

This MOU becomes effective from the 1st May, 2012 and remain in full force for an initial period of five (5) years, subject to review from time to time. At the end of five years, the agreement will automatically be extended for another five-year period unless otherwise determined.

This MOU may be revised through the mutual agreement of both Parties and may be terminated by either Party upon giving three months prior written notice signed by the presiding office of the notifying Party. All modifications to this MOU must be in writing and singed by both Parties.

Dr. Jung-Il Choi
Co-director
Computational and Theoretical Fluid Dynamics Laboratory
Department of Computational Science and Engineering
Yonsei University
Seoul, Korea
Date: 3/20/12

Mr. Jason Averill
Leader
Engineered Fire Safety Group
Fire Research Division
Engineering Laboratory
National Institute of Standards and Technology
Gaithersburg, MD, USA
Date: 3/20/12

Dr. Changhoon Lee
Head
Department of Computational Science and Engineering
Yonsei University
Seoul, Korea

A. Hamins
Division Chief
Fire Research Division
Engineering Laboratory
National Institute of Standards and Technology
Gaithersburg, MD, USA
Date: 10/8/12

Dr. Jinho Lee
Dean
Graduate School
Yonsei University
Seoul, Korea

Date: 10/23/12

Date: 8/20/12

Dr. Shyam Sunder
Director
Engineering Laboratory
National Institute of Standards and Technology
Gaithersburg, MD, USA

Date: 8/27/12
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<th>INITIALS AND DATE</th>
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<td>S. Shyam Sunder</td>
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**ACTION ITEMS**

1. APPROVAL/SIGNATURE  
2. CLEARANCE/INITIALS  
3. RECOMMENDATION OR COMMENT  
4. RETURN WITH MORE DETAILS  
5. INVESTIGATE AND REPORT  
6. NOTE AND SEE ME  
7. NOTE AND RETURN  
8. NOTE AND FILE  
9. YOUR INFORMATION  
10. PER OUR CONVERSATION  
11. AS REQUESTED  
12. NECESSARY ACTION  
13. CIRCULATE AMONG STAFF  
14. ANSWER DIRECTLY  
15. PREPARE REPLY FOR SIGNATURE

**COMMENTS**

**FROM (Name)**

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