

**U.S. NUCLEAR REGULATORY COMMISSION
NOTICE OF GRANT/ASSISTANCE AWARD**

1. GRANT/AGREEMENT NO. NRC-04-08-150	2. MODIFICATION NO. M004	3. PERIOD OF PERFORMANCE FROM: 10/1/2008 TO: 01/31/2011	4. AUTHORITY Pursuant to Section 31b and 141b of the Atomic Energy Act of 1954, as amended												
5. TYPE OF AWARD <input type="checkbox"/> GRANT <input checked="" type="checkbox"/> COOPERATIVE AGREEMENT	6. ORGANIZATION TYPE Public State-Controlled Institution of Higher ED DUNS: 001425594	7. RECIPIENT NAME, ADDRESS, and EMAIL ADDRESS MASSACHUSETTS INSTITUTE OF TECHNOLOGY 77 MASSACHUSETTS AVE CAMBRIDGE MA 021394301													
8. PROJECT TITLE: "Advance Methods for Probabalistic Risk Assessment"															
9. PROJECT WILL BE CONDUCTED PER GOVERNMENT'S/RECIPIENT'S PROPOSAL(S) DATED September 2008 AND APPENDIX A-PROJECT GRANT PROVISIONS	10. TECHNICAL REPORTS ARE REQUIRED <input checked="" type="checkbox"/> PROGRESS AND FINAL <input type="checkbox"/> FINAL ONLY <input type="checkbox"/> OTHER (Conference Proceedings)	11. PRINCIPAL INVESTIGATOR(S) NAME, ADDRESS and EMAIL ADDRESS Professor Jacopo Buongiorno Massachusetts Institute of Technology Cambridge, MA 02139-4307													
12. NRC PROGRAM OFFICE (NAME and ADDRESS) Office of Nuclear Reactor Research Attn: Donald Helton MS: T10-K8 Rockville, MD 20555 301-415-7558	13. ACCOUNTING and APPROPRIATION DATA APPN. NO: 31X0200.960 B&R NO: 860-15-111-203 (\$-44,314.21) 960-15-111-203 (\$-135,685.79) JOB CODE: G6728 BOC NO: 4110 OFFICE ID NO: 04FSS:RESC08-431 04FSS:RESC09-727		14. METHOD OF PAYMENT <input type="checkbox"/> ADVANCE BY TREASURY CHECK <input type="checkbox"/> REIMBURSEMENT BY TREASURY CHECK <input type="checkbox"/> LETTER OF CREDIT <input checked="" type="checkbox"/> OTHER (SPECIFY) Electronic ASAP.gov (See Remarks in Item #20 "Payment Information")												
15. NRC OBLIGATION FUNDS <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">THIS ACTION</td> <td style="width:50%; text-align: right;">-\$180,000.00</td> </tr> <tr> <td>PREVIOUS OBLIGATION</td> <td style="text-align: right;">\$290,141.00</td> </tr> <tr> <td>TOTAL</td> <td style="text-align: right;">\$110,141.00</td> </tr> </table>		THIS ACTION	-\$180,000.00	PREVIOUS OBLIGATION	\$290,141.00	TOTAL	\$110,141.00	16. TOTAL FUNDING AGREEMENT <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">NRC</td> <td style="width:50%; text-align: right;">\$110,141.00</td> </tr> <tr> <td>RECIPIENT</td> <td style="text-align: right;">_____</td> </tr> <tr> <td>TOTAL</td> <td style="text-align: right;">\$110,141.00</td> </tr> </table> <p style="text-align: right; margin-top: 10px;">This action provides funds for Fiscal Year in the amount of N/A</p>		NRC	\$110,141.00	RECIPIENT	_____	TOTAL	\$110,141.00
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PREVIOUS OBLIGATION	\$290,141.00														
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TOTAL	\$110,141.00														
17. NRC ISSUING OFFICE (NAME, ADDRESS and EMAIL ADDRESS) U.S. Nuclear Regulatory Commission Div. of Contracts Attn: M'Lita R. Carr Mail Stop: TWB-01-B10M Rockville MD 20555 MLita.Carr@NRC.gov															
18. Acceptance of or objections to the Terms and Conditions of Award must be Emailed to the NRC Issuing Office (Block #17) within three (3) business days following the Award issue date. NRC considers lack of response as acceptance by the grantee of the terms and conditions of award.		19. NRC CONTRACTING OFFICER <div style="text-align: right;"> (Signature) _____ NAME (TYPED) Sheila Bumpass TITLE Contracting Officer TELEPHONE NO. 301-492-3484 </div> <div style="text-align: right; margin-top: 10px;"> 11/2/2010 (Date) </div>													
20. PAYMENT INFORMATION Payment will be made through the Automated Standard Application for Payment (ASAP.gov) unless the recipient has failed to comply with the program objectives, award conditions, Federal reporting requirements or other conditions specified in 2 CFR 215 (OMB Circular A110).															
21. Attached is a copy of the "NRC General Provisions for Grants and Cooperative Agreements Awarded to Non-Government Recipients. Acceptance of these terms and conditions is acknowledged when Federal funds are used on this project.															
22. ORDER OF PRECEDENCE In the event of a conflict between the recipient's proposal and this award, the terms of the Award shall prevail.															
23. Payment of the Federal debt does not reduce the level of performance of any Federal Program.															

TEMPLATE - ADMOD

SUNSI REVIEW COMPLETE

ADMOD

DESCRIPTION OF MODIFICATION:

The purpose for modification number 004 is to:

1. Extend the period of performance;
2. Deobligate funds;
3. Reduce the total funding amount.

As a result of this modification:

1. The period of performance is extended from 10/31/2010 to 01/31/2011 at no additional cost to the government;
2. Funds in the amount of \$180,000 are deobligated therefore decreasing the obligated amount from \$290,141 to \$110,141;
3. Decrease the total funding amount from \$290,141 to \$110,141.

Base Period: October 1, 2008 – January 31, 2011(changed)

Assistance Award Ceiling: \$110,141.00 (changed)

Total Obligated Amount: \$110,141.00 (changed)

All other terms and conditions remain the same.