

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

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| 1. GRANT/AGREEMENT NO. JRC-04-04-076 | 2. MODIFICATION NO. M009 | 3. PERIOD OF PERFORMANCE FROM: 07-26-2004 TO: 09/30/09 | 4. AUTHORITY Pursuant to Section 31a 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 NON-Profit/ DUNS No. 071650709 | 7. RECIPIENT NAME AND ADDRESS OHIO STATE UNIVERSITY RESEARCH FOUNDATION 1950 KENNY RD COLUMBUS OH 432101016 | |

PROJECT TITLE:
PROPOSED COOPERATIVE AGREEMENT BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND OHIO STATE UNIVERSITY ON RESEARCH ON THE RISK IMPORTANCE OF DIGITAL SYSTEMS

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| 8. PROJECT WILL BE CONDUCTED UNDER GOVERNMENT'S/RECIPIENT'S PROPOSAL(S) DATED January 5, 2007 | 9. ND 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 AND ADDRESS Ohio State University ATTN: Professor Xiaodong Sun 1960 Kenny Road Columbus Ohio 43210-1063 |
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| 12. NRC PROGRAM OFFICE (NAME & ADDRESS) J.S. Nuclear Regulatory Commission Office of Nuclear Regulatory Research ATTN: Mr. Steven Arndt, MS-T10-M5 Washington, DC 20555 301-415-6502 | 13. ACCOUNTING & APPROPRIATION DATA APPN. NO: 31X0200.760 B&R NO: 76015111195 JOB CODE: K6472 BOC NO: 4110 OFFICE ID NO: Refer to page 2 | 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) (See Attach. 30 in Appendix A - "Electronic Payment") |
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| 5. NRC OBLIGATION FUNDS | 16. TOTAL FUNDING AGREEMENT |
| THIS ACTION <u>\$310,114.00</u> | NRC <u>\$2,574,601.00</u> This action provides funds for Fiscal Year 07 in the amount of \$310,114.00 |
| PREVIOUS OBLIGATION <u>\$1,679,487.00</u> | RECIPIENT _____ |
| TOTAL <u>\$1,989,601.00</u> | TOTAL <u>\$2,574,601.00</u> |

7. NRC ISSUING OFFICE (NAME AND ADDRESS)

U.S. Nuclear Regulatory Commission
Div. of Contracts
Attn: Mr. Michael Mills
Mail Stop T-7-I-2
Washington, DC 20555

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| 8. RECIPIENT (Signature) <u><i>Anne J.M. Moffat</i></u> <u>6/1/07</u> (Date) NAME (TYPED) <u>Anne J.M. Moffat</u> TITLE <u>Deputy Executive Director</u> TELEPHONE NO. _____ | 19. NRC CONTRACTING OFFICER (Signature) <u><i>Stephen M. Pool</i></u> <u>5/29/07</u> (Date) NAME (TYPED) <u>Stephen M. Pool</u> TITLE <u>Contracting Officer</u> TELEPHONE NO. <u>301-415-8168</u> |
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10. PAYMENT INFORMATION
Payment will be made within thirty (30) days after receipt of the billing unless the bill is improper or the recipient has failed to comply with the program objectives, award conditions, Federal reporting requirements or other conditions specified in OMB Circular A-110.

Payment will be made by: _____ Vouchers should be submitted in an original and three (3) copies on form 270 to:

U.S. Nuclear Regulatory Commission
Payment Team, Mail Stop T-9-H-4
Attn: NCR-04-04-076
Washington DC 20555

U.S. Nuclear Regulatory Commission
Division of Contracts
Mail Stop T-7-I-2
Washington, DC 20555

- Attached is a copy of the "NRC General Provisions for Grants and Cooperative Agreements Awarded to Institutions of Higher Education and Other Nonprofit Organizations". Acceptance of these terms and conditions is acknowledged when Federal funds are used on this project.
- ORDER OF PRECEDENCE
In the event of a conflict between the recipient's proposal and this award, the terms of the Award shall prevail.
- By signing this Request for Assistance, the recipient agrees that payment of any audit-related debt will not reduce the level of performance of any Federal Program

Confirming the verbal authorization provided to Ohio State University (OSU) Research Foundation on 03/28/07, the purpose of this bilateral modification is to (1) extend the period of performance under the cooperative agreement (2) incorporate the OSU's unsolicited proposal as part of this cooperative agreement (3) increase the ceiling amount by \$895,114, and (4) provide incremental funding in the amount of \$310,114. This cooperative agreement is hereby modified as follows:

- "1. Extend the period of period of performance from 07/26/04 through 09/30/09.
2. The work to be performed as set forth in the Ohio State University modification request dated January 5, 2007, is hereby incorporated by reference.
3. Increase the agreement ceiling amount by \$895,114, from \$1,679,487 to \$2,574,601.
4. The agreement's total obligated amount is hereby increased by \$310,114 from \$1,679,487.00 to \$1,989,601."

A summary of obligations for this cooperative agreement, from the award date through the date of this action is provided below:

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| Total FY 04 Obligations | \$ 350,000 |
| Total FY 05 Obligations | \$ 510,000 |
| Total FY 06 Obligations | \$ 637,425 |
| Total FY 07 Obligations | \$ 492,176 |
| Cumulative Obligations | \$1,989,601 |

This modification obligates FY 07 funds in the amount of \$310,114.

All other terms and conditions of the cooperative agreement remain unchanged.

Attention NRC Accounting:

FFS Commitment Nos. RES-C07-179 (\$160,114)

FFS Commitment Nos. RES-C07-138 (\$150,000)