

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

1. GRANT/AGREEMENT NO. NRC-38-08-944	2. MODIFICATION NO. 0001	3. PERIOD OF PERFORMANCE FROM: 08/01/2008 TO: 07/31/2011	4. AUTHORITY Pursuant to Section 31b and 141b of the Atomic Energy Act of 1954, as amended
5. TYPE OF AWARD <input checked="" type="checkbox"/> GRANT <input type="checkbox"/> COOPERATIVE AGREEMENT	6. ORGANIZATION TYPE State Controlled Institution of Higher Education DUNS 042092122	7. RECIPIENT NAME, ADDRESS, and EMAIL ADDRESS NORTH CAROLINA STATE UNIVERSITY NC STATE UNIVERSITY 2701 SULLIVAN DR STE240 RALEIGH NC 276950001 sps@ncsu.edu	

8. PROJECT TITLE:
FACULTY DEVELOPMENT PROGRAM IN NUCLEAR ENGINEERING AT NORTH CAROLINA STATE UNIVERSITY

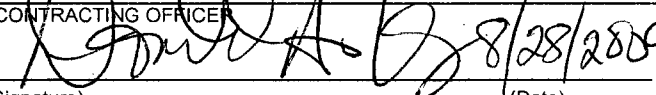
9. PROJECT WILL BE CONDUCTED PER GOVERNMENT'S/RECIPIENT'S PROPOSAL(S) DATED 04/02/2008 & revision 6/28/08 AND APPENDIX A-PROJECT GRANT PROVISIONS	10. TECHNICAL REPORTS ARE REQUIRED <input checked="" type="checkbox"/> PROGRESS AND FINAL <input type="checkbox"/> FINAL ONLY <input type="checkbox"/> OTHER (Conference Proceedings)	11. PRINCIPAL INVESTIGATOR(S) NAME, ADDRESS and EMAIL ADDRESS Dr. Steven C. Shannon North Carolina State University 1122 Burlington Engineering Laboratory 2500 Stinson Drive Raleigh NC 27695-7909 email: scshannon@ncsu.edu
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12. NRC PROGRAM OFFICE (NAME and ADDRESS) U.S. Nuclear Regulatory Commission Office of Human Resources Attn: John Gutteridge, 301-492-2313 Mail Stop: GW5-A06 Washington DC 20555 John.Gutteridge@nrc.gov	13. ACCOUNTING and APPROPRIATION DATA APPN. NO: 31x0200 B&R NO: 8-8415-5C1115 JOB CODE: T8460 BOC NO: 4110 OFFICE ID NO: 38-08-944-001	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")
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15. NRC OBLIGATION FUNDS	16. TOTAL FUNDING AGREEMENT
THIS ACTION <u>\$0.00</u>	NRC <u>\$420,000.00</u> This action provides funds for Fiscal Year 2009 in the amount of <u>0</u>
PREVIOUS OBLIGATION <u>\$420,000.00</u>	RECIPIENT <u>\$0.00</u>
TOTAL <u>\$420,000.00</u>	TOTAL <u>\$420,000.00</u>

17. NRC ISSUING OFFICE (NAME, ADDRESS and EMAIL ADDRESS)

U.S. Nuclear Regulatory Commission
Division of Contracts
ATTN: Kathleen J. Shino 301-492-3636
Mail Stop TWB-01-B10M
Washington, DC 20555
Kathleen.Shino@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  (Signature) _____ (Date) 8/28/2009 NAME (TYPED) <u>Donald A. King</u> TITLE <u>Contracting Officer</u> TELEPHONE NO. <u>301-492-3635 Donald.King@nrc.gov</u>
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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 U.S. 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. By this award, the Recipient certifies that payment of any audit-related debt will not reduce the level of performance of any Federal Program.

TEMPLATE - ADM001

SUNSI REVIEW COMPLETE

AUG 31 2009

ADM002

This modification reflects the Nuclear Regulatory Commission's approval of the change in Principal Investigator and Co-PI from Dr. Mohamed Bourham and Dr Yousry Azmy, to Dr. Steven Shannon, Principal Investigator and Co-PIs Dr. Jacob Eapen and Dr. Hany Abdel Khalik as requested in the grantee's email dated August 11, 2009.

This modification provides no new funds to the project.

Federal Financial Reports

Effective October 1, 2008, NRC transitioned from the SF-269, SF-269A, SF-272, and SF-272A to the Federal Financial Report (SF-425) as required by OMB:

http://www.whitehouse.gov/omb/fedreg/2008/081308_ffr.pdf

http://www.whitehouse.gov/omb/grants/standard_forms/ffr.pdf

http://www.whitehouse.gov/omb/grants/standard_forms/ffr_instructions.pdf

The Recipient shall submit a "Federal Financial Report" (SF-425) on a semi-annual basis for the periods ending March 31 and September 30, or any portion thereof, unless otherwise specified in a special award condition to the Grants Officer. Reports are due no later than 30 days following the end of each reporting period. A final SF-425 shall be submitted within 90 days after expiration of the award.

All other terms of the original award signed July 17, 2008 apply to this award.