

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

1. GRANT/AGREEMENT NO. NRC-HQ-11-G-38-0037	2. MODIFICATION NO. M002	3. PERIOD OF PERFORMANCE FROM: 08/4/2011 TO: 08/3/2014	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 Public State-Controlled Institution of Higher ED DUNS:048705849 NAICS:811310	7. RECIPIENT NAME, ADDRESS, and EMAIL ADDRESS University of California-Irvine Office of Research 5171 California Ave, Ste 150 Irvine, CA 92697-7600	
8. PROJECT TITLE: Nuclear Engineering Faculty Development Project			
9. PROJECT WILL BE CONDUCTED PER GOVERNMENT'S/RECIPIENT'S PROPOSAL(S) DATED See Program Description 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 University of California Irvine Attn: Mikael Nilsson Assistant Professor, Chemical Engineering and Materials Science Email: nilssonm@uci.edu 949-824-6082	
12. NRC PROGRAM OFFICE (NAME and ADDRESS) NRC Attn: Nancy.Hebron-Isreal@nrc.gov Office of Human Resources MS: GW5E03 (301) 492-2231 11545 Rockville Pike Rockville, Maryland 20852	13. ACCOUNTING and APPROPRIATION DATA APPN. NO: 31X0200 B&R NO: 2011-8415-5C1115 JOB CODE: T8460 BOC NO: 4110 OFFICE ID NO: HR-13-241		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 THIS ACTION <u>\$0.00</u> PREVIOUS OBLIGATION <u>\$390,000.00</u> TOTAL <u>\$390,000.00</u>		16. TOTAL FUNDING AGREEMENT NRC <u>\$390,000.00</u> in the amount of <u>See Page Two</u> RECIPIENT <u>\$90,000.00</u> TOTAL <u>\$480,000.00</u>	
17. NRC ISSUING OFFICE (NAME, ADDRESS and EMAIL ADDRESS) U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Mark Lohrmann email: Mark.Lohrmann@nrc.gov Mail Stop: TWB-01-B10M Rockville MD 20852			
18. Signature Not Required		19. NRC CONTRACTING OFFICER <div style="text-align: right;"><u>Mark Lohrmann</u> <u>5/02/2013</u></div> <div style="display: flex; justify-content: space-between;">(Signature)(Date)</div> <div>NAME (TYPED) <u>Mark Lohrmann</u></div> <div>TITLE <u>Contracting Officer</u></div> <div>TELEPHONE NO. <u>301-492-3461</u></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. By this award, the Recipient certifies that payment of any audit-related debt will not reduce the level of performance of any Federal Program.			

SUNSI REVIEW COMPLETE

TEMPLATE - ADMIN

ADMIN002

The purpose of this modification M002 is as follows:

- 1) The budget for NRC grant funds covering the three (3) year period of performance, referenced under A.3 is hereby deleted and replaced with the Revised Budget as follows:

Budget Category	Original Budget	NRC Approved Change	M002 Revised Budget
Personnel - PI	27,124.00	10,365.00	16,759.00
Personnel - Student	66,885.00	-1,658.00	65,227.00
Fringe Benefits	6,775.00	-2,588.96	4,186.04
Travel	58,804.00	11,536.00	47,268.00
Equipment	18,163.00	45,000.00	63,163.00
Supplies & Materials	16,675.00	-3,103.04	13,571.96
Other - Tuition & Fees	46,155.00	-246.00	45,909.00
Other - Reactor Time & Waste Disp	36,600.00	0.00	36,600.00
Total Direct Costs	277,181.00	15,503.00	292,684.00
Indirect Costs	112,819.00	15,503.00	97,316.00
TOTAL	\$390,000.00	0.00	\$390,000.00

All other terms and conditions remain unchanged.