AWARD/ MODIFICATION

3a. ISSUED BY:
OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO
536 S CLARK STREET ROOM 208
CHICAGO IL 60605-1588

1. INSTRUMENT TYPE: Grant

3b. CFDA: 12.300

2. AUTHORITY: 10 USC 2358, 31 USC 6304

3c. DUNS NUMBER:

4. AWARD NO.:	5. MODIFICATION NO.:	6. MODIFICATION TYPE:	7. PR NO.:	PAGE
N00014-01-1-0072	A00001	Administrative	02PR00921-01	1 of 5

8. ACTIVITY/AGENCY PROPOSAL NO.:	9. RECIPIENT PROPOSAL NO.:	10. PROPOSAL DATE:	11. ACTIVITY TYPE:	12. PROGRAM TYPE:
N/A	N/A	N/A	Research	N/A

13. ISSUED TO
13a. ADDRESS:
PURDUE UNIVERSITY
SPONSORED PROGRAM SERVICES
1063 HOVDE HALL
WEST LAFAYETTE, IN 47907-1063

13b. CAGE: 6D418

13c. EDI/EFT NUMBER: 2113AU

13d. BUSINESS OFFICE CONTACT:

13e. TELEPHONE NUMBER:

13f. EMAIL ADDRESS:

14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13):
Same as block #13

15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE:
Development of SiC Power MOSFETs with Low On Resistance for Military & Commercial Applications

16. FUNDING

	ACTIVITY/AGENCY SHARE	RECIPIENT SHARE	TOTAL
PREVIOUSLY OBLIGATED:	$445,922	$.00	$445,922
OBLIGATED BY THIS ACTION:	$	$.00	$
TOTAL OBLIGATED ON AWARD:	$445,922	$.00	$445,922
FUTURE FUNDING:	$	$.00	$
GRANT TOTAL:	$445,922	$.00	$445,922

17. CURRENT FUNDING PERIOD
N/A
THROUGH
N/A

18. PERIOD OF PERFORMANCE
01-OCT-2000
THROUGH
31-MAR-2003

19. ACCOUNTING AND APPROPRIATION DATA:

20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE:
(PI) James A. Cooper

20b. TELEPHONE NUMBER: (765) 4943514

20c. EMAIL ADDRESS: cooperj@ecn.purdue.edu

21. TECHNICAL REPRESENTATIVE
21a. NAME: John C. Zolper

21b. CODE: ONR 312

21c. ADDRESS:
OFFICE OF NAVAL RESEARCH
BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON VA 22217-5660

21d. TELEPHONE NUMBER: (703) 6961437

21e. EMAIL ADDRESS: zolperj@onr.navy.mil

22. AWARDING OFFICE CONTACT
22a. NAME: Yolanda Williams

22b. CODE: ONR 245

22c. ADDRESS:
OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO
536 S CLARK STREET ROOM 208
CHICAGO IL 60605-1588

22d. TELEPHONE NUMBER: (312) 8865423

22e. EMAIL ADDRESS: williay@onr.navy.mil

23a. ADMINISTRATIVE OFFICE:
OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO
536 S CLARK STREET ROOM 208
CHICAGO IL 60605-1588
Fax: (312) 3532094

23b. CODE: N62880

24. SUBMIT PAYMENT REQUEST TO:
Same as block #23a

25a. PAYING OFFICE:
DFAS CHARLESTON, SC

25b. CODE: N68892

26a. PATENT OFFICE:
OFFICE OF NAVAL RESEARCH
ATTN: ONR 00CC
BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON VA 22217-5660

26b. CODE: N00014

AWARD NO.	AWARD/MODIFICATION	MODIFICATION NO.	PAGE
N00014-01-1-0072		A00001	2 of 5

27. SPECIAL INSTRUCTIONS:

See "Special Requirements" Attachment

28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: http://www.onr.navy.mil/02/024/offices.htm

Full Delegation

29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found at the specified URL.

DOCUMENT	URL	CLAUSES

30. OPTIONS

	OPTION NO.	AMOUNT	PERIOD
(1)			
(2)			
(3)			
(4)			

31. REPORTS: The following reports must be submitted to the indicated addressees, in the indicated quantities, within 90 days following the expiration or termination of the project. Final Technical Reports must have a SF298, Report Documentation Page, accompanying them. Unless otherwise stated in the award/modification, complete Block 12a of the SF298 as follows: "Approved for Public Release; distribution is Unlimited".

ADDRESSEE	REPORT TYPE	COPIES
See block #21 (Frequency)	Performance/Technical Report (As Required) w/ SF298	1
See block #23a	Report of Inventions and Subcontracts - DD 882 Performance/Technical Report (As Required) Final Financial Status Report - SF269A - If advances used	1 1 1
See block #26a	Report of Inventions and Subcontracts - DD 882	1
DEFENSE TECHNICAL INFORMATION CENTER 8725 JOHN J KINGMAN ROAD STE 0944 FORT BELVOIR VA 22060-6218	Performance/Technical Report (As Required) w/ SF298	1
NAVAL RESEARCH LABORATORY ATTN: CODE 5227 4555 OVERLOOK AVENUE SW WASHINGTON DC 20375-5320	Performance/Technical Report (As Required) w/ SF298	1

32. FOR THE RECIPIENT		33. FOR THE UNITED STATES OF AMERICA	
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN N/A - SIGNATURE NOT REQUIRED ON THIS AWARD		33a. SIGNATURE OF AWARDING OFFICER (b) (6)	
32b. NAME AND TITLE OF SIGNER	32c. DATE SIGNED	33b. NAME AND TITLE OF AWARD OFFICER John Chiappe	33c. DATE SIGNED 18-SEP-2002

FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL)	2. SPIIN (CRITICAL)	3. MOD (CRITICAL)	4. PR NUMBER	PAGE 3 OF 5
N00014-01-1-0072		A00001	02PR00921-01	

CLIN/SLIN	6. LINE OF ACCOUNTING A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE PROJ UNIT	MCC	PDLI & SUF	7. AMOUNT (CRITICAL)	NAVY NTERNAL USE ONLY REF DOC/ACRN
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													PAGE TOTAL	$.00	
													GRAND TOTAL	$.00	

PREPARED/AUTORIZED BY:

DATE:

COMPTROLLER APPROVAL:
FOR FISCAL DATA AND SIGNATURE
BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED
DATE:

FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL)	2. SPI N (CRITICAL)	3. MOD (CRITICAL)	4. PR NUMBER	PAGE 4 OF 5
N00014-01-1-0072		A00001	02PR00921-01	

5. CLIN/SLIN	6. ACRN (CRITICAL)	7. ACCOUNTING CITATION	8. AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN
		This page is intentionally blank			
		PAGE TOTAL	$.0		
		GRAND TOTAL	$.0		

PREPARED/AUTHORIZED BY:

DATE:

COMPTROLLER APPROVAL:
FOR FISCAL DATA AND SIGNATURE
BY_____ for COMPTROLLER, ONR CONTRACT REV EWED
DATE:

The purpose of this modification is to extend this award through 31 MAR 03. All other terms and conditions remain unchanged.

AWARD/ MODIFICATION

3a. ISSUED BY:
OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO
536 S CLARK STREET ROOM 208
CHICAGO IL 60605-1588

1. INSTRUMENT TYPE: Grant

3b. CFDA: 12.300

2. AUTHORITY: 10 USC 2358, 31 USC 6304

3c. DUNS NUMBER:

4. AWARD NO.:	5. MODIFICATION NO.:	6. MODIFICATION TYPE:	7. PR NO.:	PAGE
N00014-01-1-0072	A00001	Administrative	02PR00921-01	1 of 5

8. ACTIVITY/AGENCY PROPOSAL NO.:	9. RECIPIENT PROPOSAL NO.:	10. PROPOSAL DATE:	11. ACTIVITY TYPE:	12. PROGRAM TYPE:
N/A	N/A	N/A	Research	N/A

13. ISSUED TO
13a. ADDRESS:
PURDUE UNIVERSITY
SPONSORED PROGRAM SERVICES
1063 HOVDE HALL
WEST LAFAYETTE, IN 47907-1063

13b. CAGE: 6D418

13c. EDI/EFT NUMBER: 2113AU

13d. BUSINESS OFFICE CONTACT:

13e. TELEPHONE NUMBER:

13f. EMAIL ADDRESS:

14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13):
Same as block #13

15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE:
Development of SiC Power MOSFETs with Low On Resistance for Military & Commercial Applications

16. FUNDING

	ACTIVITY/AGENCY SHARE	RECIPIENT SHARE	TOTAL
PREVIOUSLY OBLIGATED:	$445,922	$.00	$445,922
OBLIGATED BY THIS ACTION:	$	$.00	$
TOTAL OBLIGATED ON AWARD:	$445,922	$.00	$445,922
FUTURE FUNDING:	$	$.00	$
GRANT TOTAL:	$445,922	$.00	$445,922

17. CURRENT FUNDING PERIOD
N/A
THROUGH
N/A

18. PERIOD OF PERFORMANCE
01-OCT-2000
THROUGH
31-MAR-2003

19. ACCOUNTING AND APPROPRIATION DATA:

20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE:
(PI) James A. Cooper

20b. TELEPHONE NUMBER: (765) 4943514

20c. EMAIL ADDRESS: cooperj@ecn.purdue.edu

21. TECHNICAL REPRESENTATIVE
21a. NAME: John C. Zolper

21b. CODE: ONR 312

21c. ADDRESS:
OFFICE OF NAVAL RESEARCH
BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON VA 22217-5660

21d. TELEPHONE NUMBER: (703) 6961437

21e. EMAIL ADDRESS: zolperj@onr.navy.mil

22. AWARDING OFFICE CONTACT
22a. NAME: Yolanda Williams

22b. CODE: ONR 245

22c. ADDRESS:
OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO
536 S CLARK STREET ROOM 208
CHICAGO IL 60605-1588

22d. TELEPHONE NUMBER: (312) 8865423

22e. EMAIL ADDRESS: williay@onr.navy.mil

23a. ADMINISTRATIVE OFFICE:
OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO
536 S CLARK STREET ROOM 208
CHICAGO IL 60605-1588
Fax: (312) 3532094

23b. CODE: N62880

24. SUBMIT PAYMENT REQUEST TO:
Same as block #23a

25a. PAYING OFFICE:
DFAS CHARLESTON, SC

25b. CODE: N68892

26a. PATENT OFFICE:
OFFICE OF NAVAL RESEARCH
ATTN: ONR 00CC
BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON VA 22217-5660

26b. CODE: N00014

AWARD NO.	AWARD/MODIFICATION	MODIFICATION NO.	PAGE
N00014-01-1-0072		A00001	2 of 5

27. SPECIAL INSTRUCTIONS:

See "Special Requirements" Attachment

28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: http://www.onr.navy.mil/02/024/offices.htm

Full Delegation

29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found at the specified URL.

DOCUMENT	URL	CLAUSES

30. OPTIONS OPTION NO. AMOUNT PERIOD

(1)
(2)
(3)
(4)

31. REPORTS: The following reports must be submitted to the indicated addressees, in the indicated quantities, within 90 days following the expiration or termination of the project. Final Technical Reports must have a SF298, Report Documentation Page, accompanying them. Unless otherwise stated in the award/modification, complete Block 12a of the SF298 as follows: "Approved for Public Release; distribution is Unlimited".

ADDRESSEE	REPORT TYPE	COPIES
See block #21 (Frequency)	Performance/Technical Report (As Required) w/ SF298	1
See block #23a	Report of Inventions and Subcontracts - DD 882 Performance/Technical Report (As Required) Final Financial Status Report - SF269A - If advances used	1 1 1
See block #26a	Report of Inventions and Subcontracts - DD 882	1
DEFENSE TECHNICAL INFORMATION CENTER 8725 JOHN J KINGMAN ROAD STE 0944 FORT BELVOIR VA 22060-6218	Performance/Technical Report (As Required) w/ SF298	1
NAVAL RESEARCH LABORATORY ATTN: CODE 5227 4555 OVERLOOK AVENUE SW WASHINGTON DC 20375-5320	Performance/Technical Report (As Required) w/ SF298	1

32. FOR THE RECIPIENT		33. FOR THE UNITED STATES OF AMERICA	
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN N/A - SIGNATURE NOT REQUIRED ON THIS AWARD		33a. SIGNATURE OF AWARDING OFFICER (b) (6) [redacted]	
32b. NAME AND TITLE OF SIGNER	32c. DATE SIGNED	33b. NAME AND TITLE OF AWARD OFFICER John Chiappe	33c. DATE SIGNED 18-SEP-2002

FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL)	2. SPIIN (CRITICAL)	3. MOD (CRITICAL)	4. PR NUMBER	PAGE 3 OF 5
N00014-01-1-0072		A00001	02PR00921-01	

CLIN/SLIN	6. LINE OF ACCOUNTING A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE PROJ UNIT	MCC	PDLI & SUF	7. AMOUNT (CRITICAL)	NAVY NTERNAL USE ONLY REF DOC/ACRN
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													PAGE TOTAL	$.00	
													GRAND TOTAL	$.00	

PREPARED/AUTORIZED BY:

DATE:

COMPTROLLER APPROVAL:
FOR FISCAL DATA AND SIGNATURE
BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED
DATE:

FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL)	2. SPI N (CRITICAL)	3. MOD (CRITICAL)	4. PR NUMBER	PAGE 4 OF 5
N00014-01-1-0072		A00001	02PR00921-01	

5. CLIN/SLIN	6. ACRN (CRITICAL)	7. ACCOUNTING CITATION	8. AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN
		This page is intentionally blank			
		PAGE TOTAL	$.0		
		GRAND TOTAL	$.0		

PREPARED/AUTHORIZED BY:

DATE:

COMPTROLLER APPROVAL:
FOR FISCAL DATA AND SIGNATURE
BY_____ for COMPTROLLER, ONR CONTRACT REV EWED
DATE:

The purpose of this modification is to extend this award through 31 MAR 03. All other terms and conditions remain unchanged.

AWARD/ MODIFICATION

3a. ISSUED BY:
OFFICE OF NAVAL RESEARCH
BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON VA 22217-5660

1. INSTRUMENT TYPE: Grant

3b. CFDA: 12.300

2. AUTHORITY: 10 USC 2358, 31 USC 6304

3c. DUNS NUMBER:

4. AWARD NO.: N00014-01-1-0072

5. MODIFICATION NO.:

6. MODIFICATION TYPE:

7. PR NO.: 01PR01656-00

PAGE 1 of 5

8. ACTIVITY/AGENCY PROPOSAL NO.: 00312--0292

9. RECIPIENT PROPOSAL NO.: SPS 03J99

10. PROPOSAL DATE: 09-AUG-2000

11. ACTIVITY TYPE: Research

12. PROGRAM TYPE: N/A

13. ISSUED TO
13a. ADDRESS:

13b. CAGE: 4B877

13c. EDI/EFT NUMBER: 4301AO

PURDUE RESEARCH FOUNDATION
DIVISION OF SPONSORED PROGRAMS
HOVDE HALL THIRD FLOOR
WEST LAFAYETTE, IN 47907

13d. BUSINESS OFFICE CONTACT: Doland, Edie

13e. TELEPHONE NUMBER: (765) 4941078

13f. EMAIL ADDRESS: emdoland@purdue.edu

14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13):
Same as block #13

15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE:
Development of SiC Power Mosfets with Low On-Resistance for Military and Commercial Applications

16. FUNDING	ACTIVITY/AGENCY SHARE	RECIPIENT SHARE	TOTAL
PREVIOUSLY OBLIGATED:	$.00	$.00	$.00
OBLIGATED BY THIS ACTION:	$249,837.00	$.00	$249,837.00
TOTAL OBLIGATED ON AWARD:	$249,837.00	$.00	$249,837.00
FUTURE FUNDING:	$.00	$.00	$.00
GRANT TOTAL:	$249,837.00	$.00	$249,837.00

17. CURRENT FUNDING PERIOD
N/A THROUGH N/A

18. PERIOD OF PERFORMANCE
01-OCT-2000 THROUGH 31-DEC-2001

19. ACCOUNTING AND APPROPRIATION DATA:
See attached Financial Accounting Data Sheet(s)

20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE:
(PI) James A. Cooper

20b. TELEPHONE NUMBER: (765) 4943514

20c. EMAIL ADDRESS: cooperj@ecn.purdue.edu

21. TECHNICAL REPRESENTATIVE
21a. NAME: John C. Zolper

21b. CODE: ONR 312

21c. ADDRESS:
OFFICE OF NAVAL RESEARCH
BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON VA 22217-5660

21d. TELEPHONE NUMBER: (703) 6961437

21e. EMAIL ADDRESS: zolperj@onr.navy.mil

22. AWARDING OFFICE CONTACT
22a. NAME: Elizabeth L. Ford

22b. CODE: ONR 251

22c. ADDRESS:
OFFICE OF NAVAL RESEARCH
BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON VA 22217-5660

22d. TELEPHONE NUMBER: (703) 6962576

22e. EMAIL ADDRESS: forde@onr.navy.mil

23a. ADMINISTRATIVE OFFICE:
OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO
536 S CLARK STREET ROOM 208
CHICAGO IL 60605-1588
Fax: (312) 3532094

23b. CODE: N62880

24. SUBMIT PAYMENT REQUEST TO:
Same as block #23a

25a. PAYING OFFICE:
DFAS CHARLESTON, SC

25b. CODE: N68892

26a. PATENT OFFICE:
OFFICE OF NAVAL RESEARCH
ATTN: ONR 00CC
BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON VA 22217-5660

26b. CODE: N00014

AWARD NO. N00014-01-1-0072	**AWARD/MODIFICATION**	MODIFICATION NO.	PAGE 2 of 5

27. SPECIAL INSTRUCTIONS:

See "Special Requirements" Attachment

28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: http://www.onr.navy.mil/02/024/offices.htm

Full Delegation

29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found at the specified URL.

DOCUMENT	URL	CLAUSES
UAWA Award A	http://snad.ncsl.nist.gov/fededi/fededi-coding.html	
UAAC Acceptance C	http://snad.ncsl.nist.gov/fededi/fededi-coding.html	
UVVE ONR Dom. Res. OCT 1999	http://www.onr.navy.mil/02/TCDOMRES.pdf	

30. OPTIONS OPTION NO. AMOUNT PERIOD

(1)
(2)
(3)
(4)

31. REPORTS: The following reports must be submitted to the indicated addressees, in the indicated quantities, within 90 days following the expiration or termination of the project. Final Technical Reports must have a SF298, Report Documentation Page, accompanying them. Unless otherwise stated in the award/modification, complete Block 12a of the SF298 as follows: "Approved for Public Release; distribution is Unlimited".

ADDRESSEE	REPORT TYPE	COPIES
See block #21 (Frequency)	Performance/Technical Report (As Required) w/ SF298	1
See block #23a	Final Financial Status Report - SF269A - If advances used Performance/Technical Report (As Required) Report of Inventions and Subcontracts - DD 882	1 1 1
See block #26a	Report of Inventions and Subcontracts - DD 882	1
DEFENSE TECHNICAL INFORMATION CENTER 8725 JOHN J KINGMAN ROAD STE 0944 FORT BELVOIR VA 22060-6218	Performance/Technical Report (As Required) w/ SF298	1
NAVAL RESEARCH LABORATORY ATTN: CODE 5227 4555 OVERLOOK AVENUE SW WASHINGTON DC 20375-5320	Performance/Technical Report (As Required) w/ SF298	1

32. FOR THE RECIPIENT		33. FOR THE UNITED STATES OF AMERICA	
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN N/A - SIGNATURE NOT REQUIRED ON THIS AWARD		33a. SIGNATURE OF AWARDING OFFICER (b) (6) [redacted]	
32b. NAME AND TITLE OF SIGNER	32c. DATE SIGNED	33b. NAME AND TITLE OF AWARD OFFICER Elizabeth L. Ford	33c. DATE SIGNED 13-OCT-2000

FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL)	2. SPIIN (CRITICAL)	3. MOD (CRITICAL)	4. PR NUMBER	PAGE 3 OF 5
N00014-01-1-0072			01PR01656-00	

CLIN/SLIN	6. LINE OF ACCOUNTING A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE PROJ UNIT	MCC	PDLI & SUF	7. AMOUNT (CRITICAL)	NAVY INTERNAL USE ONLY REF DOC/ACRN
	AA	1711319	W1AE	255	RA	313	0	068342	2D	000000	02114	000	0100	$249,837.00	PR#01PR01656-00 FRC:1012
													PAGE TOTAL	$249,837.00	
													GRAND TOTAL	$249,837.00	

PREPARED/AUTORIZED BY:

DATE:

COMPTROLLER APPROVAL:
FOR FISCAL DATA AND SIGNATURE
BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED
DATE:

FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL)	2. SPIIN (CRITICAL)	3. MOD (CRITICAL)	4. PR NUMBER	PAGE 4 OF 5
N00014-01-1-0072			01PR01656-00	

5. CLIN/SLIN	6. ACRN (CRITICAL)	7. ACCOUNTING CITATION	8. AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN
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		PAGE TOTAL	$.00		
		GRAND TOTAL	$.00		

PREPARED/AUTHORIZED BY:

DATE:

COMPTROLLER APPROVAL:
FOR FISCAL DATA AND SIGNATURE
BY_____ for COMPTROLLER, ONR CONTRACT REVIEWED
DATE:

OPTION TO RENEW
The Government may require the continuation of the research as detailed in the Grant purpose section herein for the period 01 JAN 2002 through 31 DEC 2002 under Option 1 and 01 JAN 2003 through 31 DEC 2003 under Option 2. The Grants Officer may exercise the options by written notice to the Grantee. This notice shall be given no later than sixty (60) days prior to completion of the performance period of the Grant. The total negotiated amounts of Option 1 is $252,764.00 and Option 2 is $255,821.00.

AWARD/ MODIFICATION

3a. ISSUED BY:
OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO
536 S CLARK STREET ROOM 208
CHICAGO IL 60605-1588

1. INSTRUMENT TYPE: Grant

3b. CFDA: 12.300

2. AUTHORITY: 10 USC 2358, 31 USC 6304

3c. DUNS NUMBER:

4. AWARD NO.:	5. MODIFICATION NO.:	6. MODIFICATION TYPE:	7. PR NO.:	PAGE
N00014-01-1-0072	A00001	Administrative	02PR00921-01	1 of 5

8. ACTIVITY/AGENCY PROPOSAL NO.:	9. RECIPIENT PROPOSAL NO.:	10. PROPOSAL DATE:	11. ACTIVITY TYPE:	12. PROGRAM TYPE:
N/A	N/A	N/A	Research	N/A

13. ISSUED TO
13a. ADDRESS:
PURDUE UNIVERSITY
SPONSORED PROGRAM SERVICES
1063 HOVDE HALL
WEST LAFAYETTE, IN 47907-1063

13b. CAGE: 6D418

13c. EDI/EFT NUMBER: 2113AU

13d. BUSINESS OFFICE CONTACT:

13e. TELEPHONE NUMBER:

13f. EMAIL ADDRESS:

14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13):
Same as block #13

15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE:
Development of SiC Power MOSFETs with Low On Resistance for Military & Commercial Applications

16. FUNDING

	ACTIVITY/AGENCY SHARE	RECIPIENT SHARE	TOTAL
PREVIOUSLY OBLIGATED:	$445,922	$.00	$445,922
OBLIGATED BY THIS ACTION:	$	$.00	$
TOTAL OBLIGATED ON AWARD:	$445,922	$.00	$445,922
FUTURE FUNDING:	$	$.00	$
GRANT TOTAL:	$445,922	$.00	$445,922

17. CURRENT FUNDING PERIOD
N/A
THROUGH
N/A

18. PERIOD OF PERFORMANCE
01-OCT-2000
THROUGH
31-MAR-2003

19. ACCOUNTING AND APPROPRIATION DATA:

20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE:
(PI) James A. Cooper

20b. TELEPHONE NUMBER: (765) 4943514

20c. EMAIL ADDRESS: cooperj@ecn.purdue.edu

21. TECHNICAL REPRESENTATIVE
21a. NAME: John C. Zolper

21b. CODE: ONR 312

21c. ADDRESS:
OFFICE OF NAVAL RESEARCH
BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON VA 22217-5660

21d. TELEPHONE NUMBER: (703) 6961437

21e. EMAIL ADDRESS: zolperj@onr.navy.mil

22. AWARDING OFFICE CONTACT
22a. NAME: Yolanda Williams

22b. CODE: ONR 245

22c. ADDRESS:
OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO
536 S CLARK STREET ROOM 208
CHICAGO IL 60605-1588

22d. TELEPHONE NUMBER: (312) 8865423

22e. EMAIL ADDRESS: williay@onr.navy.mil

23a. ADMINISTRATIVE OFFICE:
OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO
536 S CLARK STREET ROOM 208
CHICAGO IL 60605-1588
Fax: (312) 3532094

23b. CODE: N62880

24. SUBMIT PAYMENT REQUEST TO:
Same as block #23a

25a. PAYING OFFICE:
DFAS CHARLESTON, SC

25b. CODE: N68892

26a. PATENT OFFICE:
OFFICE OF NAVAL RESEARCH
ATTN: ONR 00CC
BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON VA 22217-5660

26b. CODE: N00014

AWARD NO.	AWARD/MODIFICATION	MODIFICATION NO.	PAGE
N00014-01-1-0072		A00001	2 of 5

27. SPECIAL INSTRUCTIONS:

See "Special Requirements" Attachment

28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: http://www.onr.navy.mil/02/024/offices.htm

Full Delegation

29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found at the specified URL.

DOCUMENT	URL	CLAUSES

30. OPTIONS

	OPTION NO.	AMOUNT	PERIOD
(1)			
(2)			
(3)			
(4)			

31. REPORTS: The following reports must be submitted to the indicated addressees, in the indicated quantities, within 90 days following the expiration or termination of the project. Final Technical Reports must have a SF298, Report Documentation Page, accompanying them. Unless otherwise stated in the award/modification, complete Block 12a of the SF298 as follows: "Approved for Public Release; distribution is Unlimited".

ADDRESSEE	REPORT TYPE	COPIES
See block #21 (Frequency)	Performance/Technical Report (As Required) w/ SF298	1
See block #23a	Report of Inventions and Subcontracts - DD 882 Performance/Technical Report (As Required) Final Financial Status Report - SF269A - If advances used	1 1 1
See block #26a	Report of Inventions and Subcontracts - DD 882	1
DEFENSE TECHNICAL INFORMATION CENTER 8725 JOHN J KINGMAN ROAD STE 0944 FORT BELVOIR VA 22060-6218	Performance/Technical Report (As Required) w/ SF298	1
NAVAL RESEARCH LABORATORY ATTN: CODE 5227 4555 OVERLOOK AVENUE SW WASHINGTON DC 20375-5320	Performance/Technical Report (As Required) w/ SF298	1

32. FOR THE RECIPIENT		33. FOR THE UNITED STATES OF AMERICA	
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN N/A - SIGNATURE NOT REQUIRED ON THIS AWARD		33a. SIGNATURE OF AWARDING OFFICER (b) (6) [redacted]	
32b. NAME AND TITLE OF SIGNER	32c. DATE SIGNED	33b. NAME AND TITLE OF AWARD OFFICER John Chiappe	33c. DATE SIGNED 18-SEP-2002

FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL)	2. SPIIN (CRITICAL)	3. MOD (CRITICAL)	4. PR NUMBER	PAGE 3 OF 5
N00014-01-1-0072		A00001	02PR00921-01	

CLIN/SLIN	6. LINE OF ACCOUNTING A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE PROJ UNIT	MCC	PDLI & SUF	7. AMOUNT (CRITICAL)	NAVY NTERNAL USE ONLY REF DOC/ACRN
This page is intentionally blank															
													PAGE TOTAL	$.00	
													GRAND TOTAL	$.00	

PREPARED/AUTORIZED BY:

DATE:

COMPTROLLER APPROVAL:
FOR FISCAL DATA AND SIGNATURE
BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED
DATE:

FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL)	2. SPI N (CRITICAL)	3. MOD (CRITICAL)	4. PR NUMBER	PAGE 4 OF 5
N00014-01-1-0072		A00001	02PR00921-01	

5. CLIN/SLIN	6. ACRN (CRITICAL)	7. ACCOUNTING CITATION	8. AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN
		This page is intentionally blank			
		PAGE TOTAL	$.0		
		GRAND TOTAL	$.0		

PREPARED/AUTHORIZED BY:

DATE:

COMPTROLLER APPROVAL:
FOR FISCAL DATA AND SIGNATURE
BY_____ for COMPTROLLER, ONR CONTRACT REV EWED
DATE:

The purpose of this modification is to extend this award through 31 MAR 03. All other terms and conditions remain unchanged.

Award Completion Statement

1. FROM: *(Award Administration Office)* Office of Naval Research, Chicago Regional Office 230 South Dearborn Street Room 380 Chicago, IL 60604-1595 Main Office Phone: (312) 886-5423 FAX: (312) 353-2094	**2a. AWARD NUMBER** N00014-01-1-0072 **2b. LAST ADMINISTRATION MODIFICATION NUMBER** A00002 **2c. LAST AWARDING AGENCY MODIFICATION NUMBER** P00001
3. TO: *(Name and Address of Awarding Agency or Payment office, as applicable)* OFFICE OF NAVAL RESEARCH ATTN: ONR CODE 251, Ms. LaTanau Scott 800 NORTH QUINCY STREET ARLINGTON, VA 22217-5660	**4. NAME OF AWARDEE** Purdue University West Lafayette, IN **5. EXCESS FUNDS (ULO)** $0.00

6a. IF FINAL PAYMENT HAS BEEN MADE, COMPLETE ITEMS 6b., AND 6c.	**6b. VOUCHER NUMBER**	**6c. DATE**
7a. IF FINAL APPROVED INVOICE FORWARDED TO D.O. OF ANOTHER ACITIVITY AND STATUS OF PAYMENT IS UNKNOWN, COMPLETE ITEMS 7b, AND 7c.	**7b. INVOICE NUMBER**	**7c. DATE FORWARDED**

8. REMARKS

	CAMIS	STARS
Total amount obligated:	$445,682.53	$445,682.53
Total amount approved / disbursed:	$445,682.53	$445,682.53
Excess funds to deobligate (ULO):	$0.00	$0.00

9a. ALL ADMINISTRATION OFFICE ACTIONS REQUIRED HAVE BEEN SATISFACTORILY COMPLETED. THIS INCLUDES FINAL SETTLEMENT IN THE CASE OF A PRICE REVISION CONTRACT

9b. TYPED NAME OF RESPONSIBLE OFFICIAL John Chiappe Administrative Contracting Officer	**9c. SIGNATURE** (b) (6) [redacted]	**9d. DATE** 13-Nov-2003

FOR PURCHASING OFFICE USE ONLY

10a. ALL PURCHASING OFFICE ACTIONS REQUIRED HAVE BEEN FULLY AND SATISFACTORILY ACCOMPLISHED. AWARD FILE OF THIS OFFICE IS HEREBY CLOSED AS OF:

☐ DATE SHOWN IN ITEM 9d ABOVE

☐ DATE SHOWN IN ITEM 10e BELOW. *(Check this box only if final completion of any significant purchasing office action extends more than three months beyond close-out date shown in item 9d. above. In such cases, submit a copy of the completed form upon final accomplishment of all purchasing office actions to the award administration office. (Upon receipt, the award administration office shall extend its contract file close-out date accordingly.))*

10b. REMARKS

10c. TYPED NAME OF RESPONSIBLE OFFICIAL	**10d. SIGNATURE**	**10e. DATE**

DEPARTMENT OF THE NAVY
OFFICE OF NAVAL RESEARCH
CHICAGO REGIONAL OFFICE
JOHN C. KLUCZYNSKI FEDERAL BUILDING
230 SOUTH DEARBORN STREET SUITE 380
CHICAGO IL 60604-1595

IN REPLY REFER TO

ONRCHI/Jac/ms
SSIC 4330
Ser. 245/024
13 Nov 2003

Memorandum to File

From: ONR Chicago, Attn: John Chiappe, Administrative Contracting Officer

Subj: **CLOSEOUT OF GRANT N00014-01-1-0072 WITH PURDUE UNIVERSITY**

1. The following is a desk review of costs claimed under grant N00014-01-1-0072 with Purdue University.

2. The subject grant has a period of performance from 1 October 2000 through 31 March 2003. The total obligated cost of this grant was **$445,682.53.** The total expended amount for this grant was **$445,682.53.**

3. Final Technical, Patent and Property reports have been submitted by the contractor and accepted by the Government.

4. A-133 audits have been conducted by an independent accounting firm for the last several years and the same found that Purdue University demonstrated adequate controls to properly manage Government funds during the years in which the costs under this grant were incurred. Additionally, since this award is a grant under $500,000 in total value, no outside or special audit was required or performed, in accordance with **ONR Ser 24/256 Memorandum** dated 16 September, 1994, entitled *Administrative Closeout of Delegated Contracts and Grants*

5. In light of the above, costs claimed of **$445,682.53** are accepted. Based on the statements contained in this memo and the supporting documentation, this grant is considered administratively closed.

Approved by:

John Chiappe
Administrative Contracting Officer

FINANCIAL STATUS REPORT

(Short Form)

(Follow instructions on the back)

1. Federal Agency and Organization Element to Which Report is Submitted Office of Naval Research	2. Federal Grant or Other Identifying Number Assigned By Federal Agency N00014-01-1-0072	OMB Approval No. 0348-0039	Page 1 of 1 pages

3. Recipient Organization (Name and complete address, including ZIP code)
Purdue University
Sponsored Program Services
610 Purdue Mall
West Lafayette, IN 47907-2040

4. Employer Identification Number 35-6002041	5. Recipient Account Number or Identifying Number 531 1285-0146	6. Final Report [X] Yes [ ] No	7. Basis [X] Cash [ ] Accrual
8. Funding/Grant Period (See instructions) From: (Month, Day, Year) 10/1/2000	To: (Month, Day, Year) 3/31/2003	9. Period Covered by this Report From: (Month, Day, Year) 10/1/2000	To: (Month, Day, Year) 3/31/2003

10. Transactions:	I Previously Reported	II This Period	III Cumulative
a. Total outlays	0.00	445,682.53	445,682.53
b. Recipient share of outlays	0.00	0.00	0.00
c. Federal share of outlays	0.00	445,682.53	445,682.53
d. Total unliquidated obligations			0.00
e. Recipient share of unliquidated obligations			0.00
f. Federal share of unliquidated obligations			0.00
g. Total Federal share (Sum of lines c and f)			445,682.53
h. Total Federal funds authorized for this funding period			445,922.00
i. Unobligated balance of Federal funds (Line h minus line g)			239.47

11. Indirect Expense	a. Type of Rate (Place "X" in appropriate box) [ ] Provisional [X] Predetermined [ ] Final [ ] Fixed			
	b. Rate Various	c. Base (b) (4) [redacted]	d. Total Amount	e. Federal Share

12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.

13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.

Typed or Printed Name and Title Thomas B. Wright, Sponsored Program Account Manager	Telephone (Area code, number and extension) (765) 494-1078
Signature of Authorized Certifying Official (b) (6) [redacted]	Date Report Submitted 6/19/03

Previous Editions not Usable
filename/initials

Standard Form 269A (REV 4-88)
Prescribed by OMB Circulars A-102 and A-110

AWARD/ MODIFICATION

3a. ISSUED BY:
OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO
230 SOUTH DEARBORN, ROOM 380
CHICAGO IL 60604-1595

1. INSTRUMENT TYPE: Grant

3b. CFDA: 12.300

2. AUTHORITY: 10 USC 2358, 31 USC 6304

3c. DUNS NUMBER:

4. AWARD NO.	5. MODIFICATION NO.	6. MODIFICATION TYPE	7. PR NO.	PAGE
N00014-01-1-0072	A00002	Administrative	03PR16658-00	1 of 5

8. ACTIVITY/AGENCY PROPOSAL NO.	9. RECIPIENT PROPOSAL NO.	10. PROPOSAL DATE	11. ACTIVITY TYPE	12. PROGRAM TYPE
N/A	N/A	N/A	Research	N/A

13. ISSUED TO
13a. ADDRESS:
PURDUE UNIVERSITY
SPONSORED PROGRAM SERVICES
1063 HOVDE HALL
WEST LAFAYETTE, IN 47907-1063

13b. CAGE: 6D418

13c. EDI/EFT NUMBER: 2113AU

13d. BUSINESS OFFICE CONTACT:

13e. TELEPHONE NUMBER:

13f. EMAIL ADDRESS:

14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13):
Same as block #13

15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE:
Development of SiC Power MOSFETs with Low On Resistance for Military & Commercial Applications

16. FUNDING	ACTIVITY/AGENCY SHARE	RECIPIENT SHARE	TOTAL
PREVIOUSLY OBLIGATED:	$445,922.00	$.00	$445,922.00
OBLIGATED BY THIS ACTION:	-$239.47	$.00	-$239.47
TOTAL OBLIGATED ON AWARD:	$445,682.53	$.00	$445,682.53
FUTURE FUNDING:	$.00	$.00	$.00
GRANT TOTAL:	$445,682.53	$.00	$445,682.53

17. CURRENT FUNDING PERIOD
N/A THROUGH N/A

18. PERIOD OF PERFORMANCE
01-OCT-2000 THROUGH 31-MAR-2003

19. ACCOUNTING AND APPROPRIATION DATA:
See attached Financial Accounting Data Sheet(s)

20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE:
(PI) James A. Cooper

20b. TELEPHONE NUMBER: (765) 4943514

20c. EMAIL ADDRESS: cooperj@ecn.purdue.edu

21. TECHNICAL REPRESENTATIVE
21a. NAME: John C. Zolper

21b. CODE: ONR 312

21c. ADDRESS:
OFFICE OF NAVAL RESEARCH
BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON VA 22217-5660

21d. TELEPHONE NUMBER: (703) 6961437

21e. EMAIL ADDRESS: zolperj@onr.navy.mil

22. AWARDING OFFICE CONTACT
22a. NAME: Yolanda Williams

22b. CODE: ONR 245

22c. ADDRESS:
OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO
230 SOUTH DEARBORN, ROOM 380
CHICAGO IL 60604-1595

22d. TELEPHONE NUMBER: (312) 8865423

22e. EMAIL ADDRESS: williay@onr.navy.mil

23a. ADMINISTRATIVE OFFICE:
OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO
230 SOUTH DEARBORN, ROOM 380
CHICAGO IL 60604-1595
Fax: (312) -886-2094

23b. CODE: N62880

24. SUBMIT PAYMENT REQUEST TO:
Same as block #23a

25a. PAYING OFFICE:
DFAS CHARLESTON, SC

25b. CODE: N68892

26a. PATENT OFFICE:
OFFICE OF NAVAL RESEARCH
ATTN: ONR 00CC
BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON VA 22217-5660

26b. CODE: N00014

AWARD NO. N00014-01-1-0072	AWARD/MODIFICATION	MODIFICATION NO. A00002	PAGE 2 of 5

27. SPECIAL INSTRUCTIONS:

See "Special Requirements" Attachment

28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: http://www.onr.navy.mil/02/024/offices.htm

Full Delegation

29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found at the specified URL.

DOCUMENT	URL	CLAUSES

30. OPTIONS OPTION NO. AMOUNT PERIOD

(1)
(2)
(3)
(4)

31. REPORTS: The following reports must be submitted to the indicated addressees, in the indicated quantities, within 90 days following the expiration or termination of the project. Final Technical Reports must have a SF298, Report Documentation Page, accompanying them. Unless otherwise stated in the award/modification, complete Block 12a of the SF298 as follows: "Approved for Public Release; distribution is Unlimited".

ADDRESSEE	REPORT TYPE	COPIES
See block #21 (Frequency)	Performance/Technical Report (As Required) w/ SF298	1
See block #23a	Report of Inventions and Subcontracts - DD 882 Performance/Technical Report (As Required) Final Financial Status Report - SF269A - If advances used	1 1 1
See block #26a	Report of Inventions and Subcontracts - DD 882	1
DEFENSE TECHNICAL INFORMATION CENTER 8725 JOHN J KINGMAN ROAD STE 0944 FORT BELVOIR VA 22060-6218	Performance/Technical Report (As Required) w/ SF298	1
NAVAL RESEARCH LABORATORY ATTN: CODE 5227 4555 OVERLOOK AVENUE SW WASHINGTON DC 20375-5320	Performance/Technical Report (As Required) w/ SF298	1

32. FOR THE RECIPIENT		33. FOR THE UNITED STATES OF AMERICA	
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN N/A - SIGNATURE NOT REQUIRED ON THIS AWARD		33a. SIGNATURE OF AWARDING OFFICER (b) (6) [redacted]	
32b. NAME AND TITLE OF SIGNER	32c. DATE SIGNED	33b. NAME AND TITLE OF AWARD OFFICER Yolanda Williams	33c. DATE SIGNED 30-SEP-2003

FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL)	2. SPIIN (CRITICAL)	3. MOD (CRITICAL)	4. PR NUMBER	PAGE 3 OF 5
N00014-01-1-0072		A00002	03PR16658-00	

CLIN/SLIN	6. LINE OF ACCOUNTING A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE PROJ UNIT	MCC	PDLI & SUF	7. AMOUNT (CRITICAL)	NAVY INTERNAL USE ONLY REF DOC/ACRN
	AB	1721319	W1AE	255	RA	313	0	068342	2D	000000	02114	000	0100	-$239.47	PR#03PR16658-00 FRC:1012
													PAGE TOTAL	-$239.47	
													GRAND TOTAL	-$239.47	

PREPARED/AUTORIZED BY:

DATE:

COMPTROLLER APPROVAL:
FOR FISCAL DATA AND SIGNATURE
BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED
DATE:

FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL)	2. SPIIN (CRITICAL)	3. MOD (CRITICAL)	4. PR NUMBER	PAGE 4 OF 5
N00014-01-1-0072		A00002	03PR16658-00	

5. CLIN/SLIN	6. ACRN (CRITICAL)	7. ACCOUNTING CITATION	8. AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN
		This page is intentionally blank			
		PAGE TOTAL	$.00		
		GRAND TOTAL	$.00		

PREPARED/AUTHORIZED BY:

DATE:

COMPTROLLER APPROVAL:
FOR FISCAL DATA AND SIGNATURE
BY_____ for COMPTROLLER, ONR CONTRACT REVIEWED
DATE:

ONR AWARD FORM (10/99) - version 1.1

The purpose of this modification is to deobligate $239.47. No further funding will be provided under this award. All other terms and conditions remain unchanged.

AWARD/ MODIFICATION

3a. ISSUED BY:
OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO
536 S CLARK STREET ROOM 208
CHICAGO IL 60605-1588

1. INSTRUMENT TYPE: Grant

3b. CFDA: 12.300

2. AUTHORITY: 10 USC 2358, 31 USC 6304

3c. DUNS NUMBER:

4. AWARD NO.:	5. MODIFICATION NO.:	6. MODIFICATION TYPE:	7. PR NO.:	PAGE
N00014-01-1-0072	A00001	Administrative	02PR00921-01	1 of 5

8. ACTIVITY/AGENCY PROPOSAL NO.:	9. RECIPIENT PROPOSAL NO.:	10. PROPOSAL DATE:	11. ACTIVITY TYPE:	12. PROGRAM TYPE:
N/A	N/A	N/A	Research	N/A

13. ISSUED TO
13a. ADDRESS:
PURDUE UNIVERSITY
SPONSORED PROGRAM SERVICES
1063 HOVDE HALL
WEST LAFAYETTE, IN 47907-1063

13b. CAGE: 6D418

13c. EDI/EFT NUMBER: 2113AU

13d. BUSINESS OFFICE CONTACT:

13e. TELEPHONE NUMBER:

13f. EMAIL ADDRESS:

14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13):
Same as block #13

15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE:
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PREVIOUSLY OBLIGATED:	$445,922.00	$.00	$445,922.00
OBLIGATED BY THIS ACTION:	$.00	$.00	$.00
TOTAL OBLIGATED ON AWARD:	$445,922.00	$.00	$445,922.00
FUTURE FUNDING:	$.00	$.00	$.00
GRANT TOTAL:	$445,922.00	$.00	$445,922.00

17. CURRENT FUNDING PERIOD
N/A THROUGH N/A

18. PERIOD OF PERFORMANCE
01-OCT-2000 THROUGH 31-MAR-2003

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CHICAGO IL 60605-1588
Fax: (312) 3532094

23b. CODE: N62880

24. SUBMIT PAYMENT REQUEST TO:
Same as block #23a

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25b. CODE: N68892

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BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON VA 22217-5660

26b. CODE: N00014

AWARD NO. N00014-01-1-0072	**AWARD/MODIFICATION**	MODIFICATION NO. A00001	PAGE 2 of 5

27. SPECIAL INSTRUCTIONS:

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See block #26a	Report of Inventions and Subcontracts - DD 882	1
DEFENSE TECHNICAL INFORMATION CENTER 8725 JOHN J KINGMAN ROAD STE 0944 FORT BELVOIR VA 22060-6218	Performance/Technical Report (As Required) w/ SF298	1
NAVAL RESEARCH LABORATORY ATTN: CODE 5227 4555 OVERLOOK AVENUE SW WASHINGTON DC 20375-5320	Performance/Technical Report (As Required) w/ SF298	1

32. FOR THE RECIPIENT		33. FOR THE UNITED STATES OF AMERICA	
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN N/A - SIGNATURE NOT REQUIRED ON THIS AWARD		33a. SIGNATURE OF AWARDING OFFICER (b) (6) [redacted]	
32b. NAME AND TITLE OF SIGNER	32c. DATE SIGNED	33b. NAME AND TITLE OF AWARD OFFICER John Chiappe	33c. DATE SIGNED 18-SEP-2002

FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL)	2. SPIIN (CRITICAL)	3. MOD (CRITICAL)	4. PR NUMBER	PAGE 3 OF 5
N00014-01-1-0072		A00001	02PR00921-01	

CLIN/SLIN	6. LINE OF ACCOUNTING A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE PROJ UNIT	MCC	PDLI & SUF	7. AMOUNT (CRITICAL)	NAVY INTERNAL USE ONLY REF DOC/ACRN

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PAGE TOTAL	$.00	
GRAND TOTAL	$.00	

PREPARED/AUTORIZED BY:

DATE:

COMPTROLLER APPROVAL:
FOR FISCAL DATA AND SIGNATURE
BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED
DATE:

FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL)	2. SPIIN (CRITICAL)	3. MOD (CRITICAL)	4. PR NUMBER	PAGE 4 OF 5
N00014-01-1-0072		A00001	02PR00921-01	

5. CLIN/SLIN	6. ACRN (CRITICAL)	7. ACCOUNTING CITATION	8. AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN
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		PAGE TOTAL	$.00		
		GRAND TOTAL	$.00		

PREPARED/AUTHORIZED BY:

DATE:

COMPTROLLER APPROVAL:
FOR FISCAL DATA AND SIGNATURE
BY_____ for COMPTROLLER, ONR CONTRACT REVIEWED
DATE:

The purpose of this modification is to extend this award through 31 MAR 03. All other terms and conditions remain unchanged.

AWARD/ MODIFICATION

3a. ISSUED BY:
OFFICE OF NAVAL RESEARCH
BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON VA 22217-5660

1. INSTRUMENT TYPE: Grant

3b. CFDA: 12.300

2. AUTHORITY: 10 USC 2358, 31 USC 6304

3c. DUNS NUMBER:

4. AWARD NO.	5. MODIFICATION NO.	6. MODIFICATION TYPE	7. PR NO.	PAGE
N00014-01-1-0072	P00001	Renewal	02PR00921-00	1 of 5

8. ACTIVITY/AGENCY PROPOSAL NO.	9. RECIPIENT PROPOSAL NO.	10. PROPOSAL DATE	11. ACTIVITY TYPE	12. PROGRAM TYPE
01312--0236	N/A	27-JUL-2001	Research	N/A

13. ISSUED TO
13a. ADDRESS:
PURDUE UNIVERSITY
SPONSORED PROGRAM SERVICES
1063 HOVDE HALL
WEST LAFAYETTE, IN 47907-1063

13b. CAGE: 6D418

13c. EDI/EFT NUMBER:

13d. BUSINESS OFFICE CONTACT: Wright, Thomas B.

13e. TELEPHONE NUMBER: (765) 4946204

13f. EMAIL ADDRESS: tbwright@purdue.edu

14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13): Same as block #13

15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE:
Development of SiC Power MOSFETs with Low On Resistance for Military & Commercial Applications

16. FUNDING	ACTIVITY/AGENCY SHARE	RECIPIENT SHARE	TOTAL
PREVIOUSLY OBLIGATED:	$249,837.00	$.00	$249,837.00
OBLIGATED BY THIS ACTION:	$196,085.00	$.00	$196,085.00
TOTAL OBLIGATED ON AWARD:	$445,922.00	$.00	$445,922.00
FUTURE FUNDING:	$.00	$.00	$.00
GRANT TOTAL:	$445,922.00	$.00	$445,922.00

17. CURRENT FUNDING PERIOD
N/A THROUGH N/A

18. PERIOD OF PERFORMANCE
01-OCT-2000 THROUGH 30-SEP-2002

19. ACCOUNTING AND APPROPRIATION DATA:
See attached Financial Accounting Data Sheet(s)

20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE:
(PI) James A. Cooper

20b. TELEPHONE NUMBER: (765) 4943514

20c. EMAIL ADDRESS: cooperj@ecn.purdue.edu

21. TECHNICAL REPRESENTATIVE
21a. NAME: John C. Zolper

21b. CODE: ONR 312

21c. ADDRESS:
OFFICE OF NAVAL RESEARCH
BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON VA 22217-5660

21d. TELEPHONE NUMBER: (703) 6961437

21e. EMAIL ADDRESS: zolperj@onr.navy.mil

22. AWARDING OFFICE CONTACT
22a. NAME: Elizabeth L. Ford

22b. CODE: ONR 251

22c. ADDRESS:
OFFICE OF NAVAL RESEARCH
BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON VA 22217-5660

22d. TELEPHONE NUMBER: (703) 6962576

22e. EMAIL ADDRESS: fordel@onr.navy.mil

23a. ADMINISTRATIVE OFFICE:
OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO
536 S CLARK STREET ROOM 208
CHICAGO IL 60605-1588
Fax: (312) 3532094

23b. CODE: N62880

24. SUBMIT PAYMENT REQUEST TO:
Same as block #23a

25a. PAYING OFFICE:
DFAS CHARLESTON, SC

25b. CODE: N68892

26a. PATENT OFFICE:
OFFICE OF NAVAL RESEARCH
ATTN: ONR 00CC
BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON VA 22217-5660

26b. CODE: N00014

AWARD NO.	AWARD/MODIFICATION	MODIFICATION NO.	PAGE
N00014-01-1-0072		P00001	2 of 5

27. SPECIAL INSTRUCTIONS:

See "Special Requirements" Attachment

28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: http://www.onr.navy.mil/02/024/offices.htm

Full Delegation

29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found at the specified URL.

DOCUMENT	URL	CLAUSES
UAWA Award A	http://snad.ncsl.nist.gov/fededi/fededi-coding.html	
UAAC Acceptance C	http://snad.ncsl.nist.gov/fededi/fededi-coding.html	
UVVE ONR Dom. Res. July 2001	http://www.onr.navy.mil/02/basicgrant_01.pdf	

30. OPTIONS OPTION NO. AMOUNT PERIOD

(1)
(2)
(3)
(4)

31. REPORTS: The following reports must be submitted to the indicated addressees, in the indicated quantities, within 90 days following the expiration or termination of the project. Final Technical Reports must have a SF298, Report Documentation Page, accompanying them. Unless otherwise stated in the award/modification, complete Block 12a of the SF298 as follows: "Approved for Public Release; distribution is Unlimited".

ADDRESSEE	REPORT TYPE	COPIES
See block #21 (Frequency)	Performance/Technical Report (As Required) w/ SF298	1
See block #23a	Report of Inventions and Subcontracts - DD 882 Performance/Technical Report (As Required) Final Financial Status Report - SF269A - If advances used	1 1 1
See block #26a	Report of Inventions and Subcontracts - DD 882	1
DEFENSE TECHNICAL INFORMATION CENTER 8725 JOHN J KINGMAN ROAD STE 0944 FORT BELVOIR VA 22060-6218	Performance/Technical Report (As Required) w/ SF298	1
NAVAL RESEARCH LABORATORY ATTN: CODE 5227 4555 OVERLOOK AVENUE SW WASHINGTON DC 20375-5320	Performance/Technical Report (As Required) w/ SF298	1

32. FOR THE RECIPIENT		33. FOR THE UNITED STATES OF AMERICA	
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN N/A - SIGNATURE NOT REQUIRED ON THIS AWARD		33a. SIGNATURE OF AWARDING OFFICER (b) (6) [redacted]	
32b. NAME AND TITLE OF SIGNER	32c. DATE SIGNED	33b. NAME AND TITLE OF AWARD OFFICER Elizabeth L. Ford	33c. DATE SIGNED 29-NOV-2001

FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL)	2. SPIIN (CRITICAL)	3. MOD (CRITICAL)	4. PR NUMBER	PAGE 3 OF 5
N00014-01-1-0072		P00001	02PR00921-00	

CLIN/SLIN	6. LINE OF ACCOUNTING A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE PROJ UNIT	MCC	PDLI & SUF	7. AMOUNT (CRITICAL)	NAVY INTERNAL USE ONLY REF DOC/ACRN
	AB	1721319	W1AE	255	RA	313	0	068342	2D	000000	02114	000	0100	$196,085.00	PR#02PR00921-00 FRC:1012
													PAGE TOTAL	$196,085.00	
													GRAND TOTAL	$196,085.00	

PREPARED/AUTORIZED BY:

DATE:

COMPTROLLER APPROVAL:
FOR FISCAL DATA AND SIGNATURE
BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED
DATE:

FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL)	2. SPIIN (CRITICAL)	3. MOD (CRITICAL)	4. PR NUMBER	PAGE 4 OF 5
N00014-01-1-0072		P00001	02PR00921-00	

5. CLIN/SLIN	6. ACRN (CRITICAL)	7. ACCOUNTING CITATION	8. AMOUNT (CRITICAL)	NAVY INTERNAL USE ONLY REF DOC/ACRN
		This page is intentionally blank		
		PAGE TOTAL	$.00	
		GRAND TOTAL	$.00	

PREPARED/AUTHORIZED BY:

DATE:

COMPTROLLER APPROVAL:
FOR FISCAL DATA AND SIGNATURE
BY_____ for COMPTROLLER, ONR CONTRACT REVIEWED
DATE:

The purpose of this Modification is to renew the research, revise the option paragraph, and provide an increment of funding under Grant N00014-01-1-0072.

OPTION TO RENEW: The Government may require the continuation of the research as described in the Grantee's proposal in Block 15 for the period 01 OCT 2002 through 30 SEP 2003 under Option 1 and 01 OCT 2003 through 30 SEP 2004 under Option 2. The Grants officer may exercise the option and/or options by written notice to the Grantee. This notice shall be given no later than sixty (60) days prior to completion of the performance period of the Grant. The total negotiated amounts of Option 1 is $195,892.00 and Option 2 is $195,687.00.

This grant reflects the exclusion of tuition remission from the Modified Total Direct Cost (MTDC) base used to calculate total allowable indirect costs. The exclusion of tuition remission from the MTDC base is in accordance with Purdue's Rate Agreement dated 29 AUG 2000 and the provisions of OMB Circular A-21, Section G.9.

AWARD/ MODIFICATION

3a. ISSUED BY:
OFFICE OF NAVAL RESEARCH
BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON VA 22217-5660

1. INSTRUMENT TYPE: Grant

3b. CFDA: 12.300

2. AUTHORITY: 10 USC 2358, 31 USC 6304

3c. DUNS NUMBER:

4. AWARD NO.: N00014-01-1-0072

5. MODIFICATION NO.:

6. MODIFICATION TYPE:

7. PR NO.: 01PR01656-00

PAGE 1 of 5

8. ACTIVITY/AGENCY PROPOSAL NO.: 00312--0292

9. RECIPIENT PROPOSAL NO.: SPS 03J99

10. PROPOSAL DATE: 09-AUG-2000

11. ACTIVITY TYPE: Research

12. PROGRAM TYPE: N/A

13. ISSUED TO
13a. ADDRESS:
PURDUE RESEARCH FOUNDATION
DIVISION OF SPONSORED PROGRAMS
HOVDE HALL THIRD FLOOR
WEST LAFAYETTE, IN 47907

13b. CAGE: 4B877

13c. EDI/EFT NUMBER: 4301AO

13d. BUSINESS OFFICE CONTACT: Doland, Edie

13e. TELEPHONE NUMBER: (765) 4941078

13f. EMAIL ADDRESS: emdoland@purdue.edu

14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13): Same as block #13

15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE:
Development of SiC Power Mosfets with Low On-Resistance for Military and Commercial Applications

16. FUNDING	ACTIVITY/AGENCY SHARE	RECIPIENT SHARE	TOTAL
PREVIOUSLY OBLIGATED:	$.00	$.00	$.00
OBLIGATED BY THIS ACTION:	$249,837.00	$.00	$249,837.00
TOTAL OBLIGATED ON AWARD:	$249,837.00	$.00	$249,837.00
FUTURE FUNDING:	$.00	$.00	$.00
GRANT TOTAL:	$249,837.00	$.00	$249,837.00

17. CURRENT FUNDING PERIOD
N/A THROUGH N/A

18. PERIOD OF PERFORMANCE
01-OCT-2000 THROUGH 31-DEC-2001

19. ACCOUNTING AND APPROPRIATION DATA:
See attached Financial Accounting Data Sheet(s)

20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE:
(PI) James A. Cooper

20b. TELEPHONE NUMBER: (765) 4943514

20c. EMAIL ADDRESS: cooperj@ecn.purdue.edu

21. TECHNICAL REPRESENTATIVE
21a. NAME: John C. Zolper

21b. CODE: ONR 312

21c. ADDRESS:
OFFICE OF NAVAL RESEARCH
BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON VA 22217-5660

21d. TELEPHONE NUMBER: (703) 6961437

21e. EMAIL ADDRESS: zolperj@onr.navy.mil

22. AWARDING OFFICE CONTACT
22a. NAME: Elizabeth L. Ford

22b. CODE: ONR 251

22c. ADDRESS:
OFFICE OF NAVAL RESEARCH
BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON VA 22217-5660

22d. TELEPHONE NUMBER: (703) 6962576

22e. EMAIL ADDRESS: forde@onr.navy.mil

23a. ADMINISTRATIVE OFFICE:
OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO
536 S CLARK STREET ROOM 208
CHICAGO IL 60605-1588
Fax: (312) 3532094

23b. CODE: N62880

24. SUBMIT PAYMENT REQUEST TO:
Same as block #23a

25a. PAYING OFFICE:
DFAS CHARLESTON, SC

25b. CODE: N68892

26a. PATENT OFFICE:
OFFICE OF NAVAL RESEARCH
ATTN: ONR 00CC
BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON VA 22217-5660

26b. CODE: N00014

AWARD NO. N00014-01-1-0072	AWARD/MODIFICATION	MODIFICATION NO.	PAGE 2 of 5

27. SPECIAL INSTRUCTIONS:

See "Special Requirements" Attachment

28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: http://www.onr.navy.mil/02/024/offices.htm

Full Delegation

29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found at the specified URL.

DOCUMENT	URL	CLAUSES
UAWA Award A	http://snad.ncsl.nist.gov/fededi/fededi-coding.html	
UAAC Acceptance C	http://snad.ncsl.nist.gov/fededi/fededi-coding.html	
UVVE ONR Dom. Res. OCT 1999	http://www.onr.navy.mil/02/TCDOMRES.pdf	

30. OPTIONS OPTION NO. AMOUNT PERIOD

(1)
(2)
(3)
(4)

31. REPORTS: The following reports must be submitted to the indicated addressees, in the indicated quantities, within 90 days following the expiration or termination of the project. Final Technical Reports must have a SF298, Report Documentation Page, accompanying them. Unless otherwise stated in the award/modification, complete Block 12a of the SF298 as follows: "Approved for Public Release; distribution is Unlimited".

ADDRESSEE	REPORT TYPE	COPIES
See block #21 (Frequency)	Performance/Technical Report (As Required) w/ SF298	1
See block #23a	Final Financial Status Report - SF269A - If advances used Performance/Technical Report (As Required) Report of Inventions and Subcontracts - DD 882	1 1 1
See block #26a	Report of Inventions and Subcontracts - DD 882	1
DEFENSE TECHNICAL INFORMATION CENTER 8725 JOHN J KINGMAN ROAD STE 0944 FORT BELVOIR VA 22060-6218	Performance/Technical Report (As Required) w/ SF298	1
NAVAL RESEARCH LABORATORY ATTN: CODE 5227 4555 OVERLOOK AVENUE SW WASHINGTON DC 20375-5320	Performance/Technical Report (As Required) w/ SF298	1

32. FOR THE RECIPIENT		33. FOR THE UNITED STATES OF AMERICA	
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN N/A - SIGNATURE NOT REQUIRED ON THIS AWARD		33a. SIGNATURE OF AWARDING OFFICER (b) (6) [redacted]	
32b. NAME AND TITLE OF SIGNER	32c. DATE SIGNED	33b. NAME AND TITLE OF AWARD OFFICER Elizabeth L. Ford	33c. DATE SIGNED 13-OCT-2000

FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL)	2. SPIIN (CRITICAL)	3. MOD (CRITICAL)	4. PR NUMBER	PAGE 3 OF 5
N00014-01-1-0072			01PR01656-00	

CLIN/SLIN	6. LINE OF ACCOUNTING A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE PROJ UNIT	MCC	PDLI & SUF	7. AMOUNT (CRITICAL)	NAVY INTERNAL USE ONLY REF DOC/ACRN
	AA	1711319	W1AE	255	RA	313	0	068342	2D	000000	02114	000	0100	$249,837.00	PR#01PR01656-00 FRC:1012
													PAGE TOTAL	$249,837.00	
													GRAND TOTAL	$249,837.00	

PREPARED/AUTORIZED BY:

DATE:

COMPTROLLER APPROVAL:
FOR FISCAL DATA AND SIGNATURE
BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED
DATE:

FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL)	2. SPIIN (CRITICAL)	3. MOD (CRITICAL)	4. PR NUMBER	PAGE 4 OF 5
N00014-01-1-0072			01PR01656-00	

5. CLIN/SLIN	6. ACRN (CRITICAL)	7. ACCOUNTING CITATION	8. AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN
		This page is intentionally blank			
		PAGE TOTAL	$.00		
		GRAND TOTAL	$.00		

PREPARED/AUTHORIZED BY:

DATE:

COMPTROLLER APPROVAL:
FOR FISCAL DATA AND SIGNATURE
BY_____ for COMPTROLLER, ONR CONTRACT REVIEWED
DATE:

OPTION TO RENEW
The Government may require the continuation of the research as detailed in the Grant purpose section herein for the period 01 JAN 2002 through 31 DEC 2002 under Option 1 and 01 JAN 2003 through 31 DEC 2003 under Option 2. The Grants Officer may exercise the options by written notice to the Grantee. This notice shall be given no later than sixty (60) days prior to completion of the performance period of the Grant. The total negotiated amounts of Option 1 is $252,764.00 and Option 2 is $255,821.00.

Ford, Elizabeth

From: (b) (6) [redacted]
Sent: Wednesday, October 31, 2001 11:30 AM
To: Ford, Elizabeth
Subject: FW: Purdue University

(b) (6) [redacted] Liz,

Here is the clause that should be added to the Purdue Grant.

This grant reflects the exclusion of tuition remission from the Modified Total Direct Cost (MTDC) base used to calculate total allowable indirect costs. The exclusion of tuition remission from the MTDC base is in accordance with Purdue's Rate Agreement dated 29 AUG 2000 and the provisions of OMB Circular A-21, Section G.9.

DR
Deborah Rafi
Director, Indirect Cost Branch
Office of Naval Research
703.696.5641
703.696.4430 fax

Rafi, Debbie.vcf

-----Original Message-----
From: (b) (6) [redacted]
Sent: Monday, October 29, 2001 3:28 PM
To: Rafi, Debbie
Subject: Purdue University

Debbie,

(b) (5) [redacted]

Thank You,

(b) (6) [redacted]
Branch Head, ONR 251
Office of Naval Research
800 North Quincy Street
Arlington, VA 22217-5660

Phone: (703) 696-4601 Fax: (703) 696-0066
E-mail: (b) (6) [redacted]@onr.navy.mil

Ford, Elizabeth

From: Zolper, John
Sent: Friday, October 13, 2000 11:34 AM
To: Ford, Elizabeth
Subject: RE: 01PR01656-00, PURDUE RES FDN, 01-1-0072

I concur. Please correct our oversight.

John

-----Original Message-----
From: Ford, Elizabeth
Sent: Friday, October 13, 2000 9:59 AM
To: Zolper, John
Cc: Ford, Elizabeth
Subject: 01PR01656-00, PURDUE RES FDN, 01-1-0072

Mr. Zolper,

Subject proposal package was dated 09 AUG 00, therefore, the BAA date should be 30 AUG 99 versus 31 AUG 00. Please provide your concurrence.

THANK YOU

LIZ FORD
(703) 696-2576

Ford, Elizabeth

From: Zolper, John
Sent: Thursday, October 12, 2000 9:24 AM
To: Ford, Elizabeth
Subject: RE: 01PR01656-00, PURDUE RES FDN, 01-1-0072

I am funding only one year but would like 2 options negotiated for one year each.

john

-----Original Message-----
From: Ford, Elizabeth
Sent: Thursday, October 12, 2000 9:18 AM
To: Zolper, John
Cc: Ford, Elizabeth
Subject: 01PR01656-00, PURDUE RES FDN, 01-1-0072

Mr. Zolper,

I need clarification on your notes to acquisition concerning the option periods and base year. Are you providing the base year with two options or negotiating the entire value and incrementally funding?

THANK YOU

LIZ FORD
(703) 696-2576

INRIS
PR SUMMARY REPORT

SUTHERS / PRODUCT
14-SEP-2001
02PR00921-00

PR Number: 02PR00921-00

Previous PR Number: 01PR01656-00
Title: Development of SiC Power MOSFETs with Low On-Resistance for Military & Commercial Applications

9/14

Award Number: N000140110072
Modification Number: P00001

Short Contractor Code: prdw
Size and Type of Business: 1p
Nonprofit-Educ./Not Historically Black/Other

P.I. Name: James Cooper
Performer: PURDUE UNIVERSITY
1063 HOVDE HALL
WEST LAFAYETTE, IN 479071063

P.O. Name: John Zolper
P.O. Code: 312
P.O. Phone: (703) 696-2611
Point of Contact: Zolpers H. R. N.
Phone: () -
Grants Officer:

Current Award Start Date: 01-OCT-00
Current Award End Date: 30-SEP-02
P.O. Requested Start Date: 01-OCT-01
P.O. Requested End Date: 30-SEP-02

PR Type: Renewal

Internal Coordinator(s):
Phone:

Instrument Type: Grant
Basis For Selection: (baa)
CBD Date: 31-AUG-00

Current Funding:

ACRN	APPN	SBHD	OBJ	PA RM	BCN	SA	AAA	TT	PAA	COST CODE	AMOU
AB	1721319	W1AE	000	RA	31	3	068342	2D	000000021140000100		$~~200,000.00~~ ~~188,253~~ 196,085

FRC: 1012 Expiration: 30-SEP-02

Future Funding:

FY	FRC	NEG START DATE	AMOUNT
2003	1012	01-OCT-02	$ 200,000.00
2004	1012	01-OCT-03	$ 200,000.00

PR Status: Approved (Active)

Equipment Cost (Current Year): $ 0.00

Cumulative Total Award Value:	$	849,837.00
Total Value of PR:	$	200,000.00
Increment Value:	$	0.00
Modification Negotiated Value:	$	600,000.00

Notes to Acquisition
This PR fully funds this effort and supplies additional funds for the renewal effort for one year at $200k. There are two optional years of 200,000 each.

Short Work Statement
Develop advance MOS process technology for SiC to enable a 5-10 x reduction in the on-resistance of high power switching transistors.

BPS: Submission, Evaluation, Cost
This proposal was received and evaluated in accordance with the announcement/solicitation of 31-AUG-00. Award is recommended based on evaluation of the proposal (provided separately) in accordance with the criteria stated in the announcement/solicitation.

Financial Considerations:
Labor -
The proposed quantities and types of labor (including any consultants and labor provided by subgrantee) are reasonable and necessary for accomplishing the research project.
The proposed labor rates are in line with standard academic or industrial practice for research of this type.
Any consulting at a rate in excess of $500.00 per day is justified in the "Additional Consultant Information" text item.

Other Direct Costs-
Other proposed direct costs (such as supplies, equipment, ADP, travel, etc.) are reasonable and necessary for accomplishing the research project.

I have reviewed and accepted the proposed budget subject to the grant/contracting officer's verification of rates in indirect costs. Where changes to the original budget were necessary I have had the principal investigator submit a revised budget through official university channels and that revised budget is enclosed. The proposal appears to be fair, reasonable, in the interest of the government, and is consistent with other previous and current efforts of this nature.

BPS: Overall Merits
This will advance the state of the art of power switching transistors for power supplies.

BPS: ONR Mission
Improved power supplies have been identified as a need for future Navy radar.

BPS: Contractor Qualifications
The proposed performer provides the unique capabilities and experience of the principal investigator as described in the research proposal. The principal investigator would not be available through any other performer.

BPS: PI Qualifications
The Principal Investigator is highly qualified to execute the proposed program based on previous experience, publications and presentations as described in the proposal.

INRIS
PR SUMMARY REPORT

MCCORMD / PRODUCT
19-SEP-2000
01PR01656-00

PR Number: 01PR01656-00

Previous PR Number:
Title: Development of SiC Power Mosfets with Low On-Resistance for Military and Commercial Applications

FORD 9-25

Award Number: N000140110072
Modification Number:

Short Contractor Code: purd
Size and Type of Business: 5
Nonprofit-Other inc. State and Local Government/Not FCRC

P.I. Name: James Cooper
Performer: PURDUE RESEARCH FOUNDATION
HOVDE HALL THIRD FLOOR
WEST LAFAYETTE, IN 47907

1 yr 2 options

P.O. Name: John Zolper
P.O. Code: 312
Point of Contact: Zolpgham N.
Grants Officer:

P.O. Phone: (703) 696-2611
Phone: (806) 433-2042

Current Award Start Date: 01-OCT-00
Current Award End Date: 31-DEC-01
P.O. Requested Start Date: 01-OCT-00
P.O. Requested End Date: 31-DEC-01

Check w/PO to make sure we understand what he wants. Base year with 2 options or negotiate the entire value and incrementally fund. Notes to Asg unclear.

PR Type: New

Internal Coordinator(s):

Phone:

Instrument Type: Grant
Basis For Selection: (baa)
CBD Date: 31-AUG-00

Current Funding:

ACRN	APPN	SBHD	OBJ	PA RM	BCN	SA	AAA	TT	PAA	COST CODE	AMO
AA	1711319	W1AE	000	RA	31	3	068342	2D	000000021140000100		$249,837.0

FRC: 1012 Expiration: 30-SEP-01

Future Funding:

FY	FRC	NEG	START	DATE	AMOUNT

PR Status: Approved (Active)

Equipment Cost (Current Year): $ 0.00

Cumulative Total Award Value:	$ 249,837.00
Total Value of PR:	$ 249,837.00
Increment Value:	$ 0.00
Modification Negotiated Value:	$ 2,610,123.88

Notes to Acquisition
This is a one time 15 month award with options for 2 additional years. Please negotiate the options now.

Short Work Statement
Develop advance MOS process technology for SiC to enable a 5-10 x reduction in the on-resistance of high power switching transistors.

BPS: Submission, Evaluation, Cost
This proposal was received and evaluated in accordance with the announcement/solicitation of 31-AUG-00. Award is recommended based on evaluation of the proposal (provided separately) in accordance with the criteria stated in the announcement/solicitation.

Financial Considerations:
Labor -
The proposed quantities and types of labor (including any consultants and labor provided by subgrantee) are reasonable and necessary for accomplishing the research project.
The proposed labor rates are in line with standard academic or industrial practice for research of this type.
Any consulting at a rate in excess of $500.00 per day is justified in the "Additional Consultant Information" text item.

Other Direct Costs-
Other proposed direct costs (such as supplies, equipment, ADP, travel, etc.) are reasonable and necessary for accomplishing the research project.

I have reviewed and accepted the proposed budget subject to the grant/contracting officer's verification of rates in indirect costs. Where changes to the original budget were necessary I have had the principal investigator submit a revised budget through official university channels and that revised budget is enclosed. The proposal appears to be fair, reasonable, in the interest of the government, and is consistent with other previous and current efforts of this nature.

BPS: Overall Merits
This will advance the state of the art of power switching transistors for power supplies.

BPS: ONR Mission
Improved power supplies have been identified as a need for future Navy radar.

BPS: Contractor Qualifications
The proposed performer provides the unique capabilities and experience of the principal investigator as described in the research proposal. The principal investigator would not be available through any other performer.

BPS: PI Qualifications
The Principal Investigator is highly qualified to execute the proposed program based on previous experience, publications and presentations as described in the proposal.