Primary Volume

Supervisor: Antoniadis /Dimitri A

P060600 Microsystems Technology Laboratories

| 1 00000 | U MILCIOSYS | items recinit | ology Labor | atories | | | | | | | | | | | | |
|-----------------------------|----------------------------------|-------------------------------------------------------|---------------------|------------------------------------------------|----------------------------|-----------------------------|------------------------------|----------|--------|-----------------------|--------------|------------------------------|------------|----------------------|---------------------------|-------------------|
| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | Salaries | | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
| 3978565 | MOU DATED 9/17/04 | The University of Singapore | 6898032 | Sma2-Dimitri Antoniadis-Ammn s-Flagship | 07/01/2005 | 10/31/2014 | 0 | 0 | 0 | 12,576 | 7,042 | 19,618 | 485,750 | 485,737 | 13 | 6898032 |
| 6920928 | NO. 2009-MT-20 51 | Microelectron ics Advanced Research Corp. | 6920991 | Stanford University | 11/01/2009 | 01/31/2013 | | | | -287 | 0 | -287 | 2,620,116 | 2,620,116 | 0 | 6920991 |
| 6920928 | NO. 2009-MT-20 51 | Microelectron ics Advanced Research Corp. | 6921000 | Antoniadis | 11/01/2009 | 01/31/2013 | 0 | -1,462 | -519 | 0 | -1,347 | -3,327 | 724,189 | 724,189 | -0 | 6921000 |
| 6920928 | NO. 2009-MT-20 51 | Microelectron ics Advanced Research Corp. | 6921011 | Program Admin | 11/01/2009 | 01/31/2013 | | 0 | 0 | -128 | -87 | -215 | 1,091,850 | 1,091,850 | -0 | 6921011 |
| 6923266 | 00007444 | University of California - Berkeley | 6923266 | Center For Energy Efficient Electronics | 06/24/2010 | 02/28/2015 | | | | 0 | 0 | 0 | 64,803 | 0 | 64,803 | 6923266 |
| 6923266 | 00007444 | University of California - Berkeley | 6923299 | Research | 06/24/2010 | 02/28/2015 | 40,275 | 28,960 | 7,958 | 76,196 | 77,528 | 230,917 | 759,854 | 571,528 | 188,326 | 6923299 |
| 6923266 | 00007444 | University of California - Berkeley | 6923300 | Management | 06/24/2010 | 02/28/2015 | | 11,484 | 4,160 | 5,787 | 14,466 | 35,898 | 152,815 | 134,168 | 18,647 | 6923300 |
| 6923266 | 00007444 | University of California - Berkeley | 6923301 | Equipment | 06/24/2010 | 02/28/2015 | | | | 0 | 0 | 0 | 300,000 | 298,033 | 1,967 | 6923301 |
| 6926801 | 4101-51804 | Purdue University | 6926801 | Network For Computational Nanotechnology | 09/01/2012 | 08/31/2014 | | | | | | 0 | 0 | 0 | 0 | 6926801 |
| 6926801 | 4101-51804 | Purdue University | 6928397 | Antoniadias Child Account | 09/01/2012 | 08/31/2014 | | 37,015 | 13,510 | 80 | 28,339 | 78,945 | 70,000 | 78,945 | -8,945 | 6928397 |
| | | | | Sup | ervisor Total: | | 40,275 | 75,998 | 25,109 | 94,225 | 125,942 | 361,549 | 6,269,376 | 6,004,565 | 264,811 | |

Supervisor: Boning /Duane S

P060600 Microsystems Technology Laboratories

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|---------------------------------|----------------------------------|-------------------------------------------------------|---------------------|---------------------------------------------------|----------------------------|-----------------------------|------------------------------|-----------------|----------------------|-----------------------|--------------|------------------------------|------------|----------------------|-----------------------------------------|-------------------|
| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | <u>Salaries</u> | Employee Benefits | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | <u>Unexpend</u> <u>ed</u> Balance | Project Wbs Id |
| 3978565 | MOU DATED 9/17/04 | The University of Singapore | 6898069 | Sma2-Duane Boning-Mst-Flags hip | 07/01/2005 | 06/30/2011 | 0 | 0 | 0 | 0 | 0 | 0 | 408,040 | 406,932 | 1,108 | 6898069 |
| 6892728 | Z702367 | University of Arizona | 6892728 | Environmentally Benign Semiconductor Man | 04/01/2001 | 06/30/2014 | 0 | | | 0 | 0 | 0 | 393,272 | 393,252 | 20 | 6892728 |
| 6892728 | Z702367 | University of Arizona | 6892730 | Environmentally Benign Semiconductor Man | 04/01/2001 | 06/30/2014 | 21,312 | 0 | 0 | 15,696 | 14,821 | 51,829 | 1,151,012 | 1,150,988 | 25 | 6892730 |
| | | | | Sup | ervisor Total: | | 21,312 | 0 | 0 | 15,696 | 14,821 | 51,829 | 1,952,324 | 1,951,171 | 1,153 | |
| Superv | isor: Bulov | ic /Vladimir | | | | | | | | | | | | | | |
| P06060 | 0 Microsys | tems Techno | ology Labor | atories | | | | | | | | | | | | |
| Master | Government | | <u>Project</u> | Project Wbs | Project Wbs | Project Wbs | Graduate | <u>Salaries</u> | | Operating | F&A | Fytd | Auth Total | Cumulative | Unexpend | <u>Project</u> |
| <u>Project</u> <u>Number</u> | Contract Number | <u>Name</u> | Wbs Id_2 | Name_2 | Effective Date | Expiration Date | Student Staff | | <u>Benefits</u> | <u>Expenses</u> | Costs | <u>Amount</u> | | <u>Amount</u> | <u>ed</u> <u>Balance</u> | Wbs Id |
| 6923266 | 00007444 | University of California - Berkeley | 6923302 | Research | 06/24/2010 | 02/28/2015 | 29,762 | 18,260 | 6,665 | 67,909 | 69,082 | 191,678 | 763,604 | 641,041 | 122,563 | 6923302 |
| | | | | Sup | ervisor Total: | | 29,762 | 18,260 | 6,665 | 67,909 | 69,082 | 191,678 | 763,604 | 641,041 | 122,563 | |
| Superv | isor: Chanc | Irakasan /An | antha P | | | | | | | | | | | | | |
| P06060 | 0 Microsys | tems Techno | ology Labor | atories | | | | | | | | | | | | |
| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | <u>Salaries</u> | Employee Benefits | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
| 6891026 | AGMT EFF. 7/1/00 | Texas Instruments, Incorporated | 6891083 | Mit/Ti Design Center System On Chip In T | 07/01/2000 | 06/30/2010 | 0 | | | 0 | 0 | 0 | 409,000 | 409,000 | -0 | 6891083 |
| 6897576 | AGMT. DTD. 4/1/05 | Quanta Computer, Inc. | 6926823 | Chandrakasan - Child Account | 09/01/2012 | 08/31/2014 | 32,075 | 10,565 | 3,856 | 28,944 | 28,361 | 103,801 | 245,846 | 174,225 | 71,621 | 6926823 |
| 6922060 | HR0011-10- 9-0009 | Defense Advanced Research Projects Agency | 6922334 | Angstrom: Mtl Child | 07/01/2010 | 12/31/2013 | 28,388 | 6,342 | 2,315 | 16,319 | 28,111 | 81,474 | 445,336 | 445,336 | -0 | 6922334 |

| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | Salaries | | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
|-----------------------------|-------------------------------------------|-------------------------------------------------------|---------------------|---------------------------------------------------|----------------------------|-----------------------------|------------------------------|-----------------|-----------------|-----------------------|--------------|------------------------------|------------|----------------------|---------------------------|-------------------|
| 6924630 | PO 7700043080 , AGREEME NT DA | Industry Co., | 6924630 | Computational Photography | 07/01/2011 | 06/30/2015 | 34,607 | 49,866 | 16,918 | 28,242 | 60,440 | 190,073 | 675,000 | 477,758 | 197,242 | 6924630 |
| 6926865 | HR0011-13- 2-0005 | Defense Advanced Research Projects Agency | 6927187 | Chandrakasan - Child | 11/19/2012 | 11/19/2015 | 27,776 | 7,113 | 1,992 | 30,764 | 24,104 | 91,749 | 174,224 | 91,749 | 82,475 | 6927187 |
| 6927204 | AGRMT DATED 1/1/13 | Hon Hai Precision Industry Co., Ltd. | 6927204 | Electronics For Wireless Power Transfer | 03/01/2013 | 02/28/2015 | 26,520 | 13,059 | 4,766 | 34,762 | 30,797 | 109,904 | 200,000 | 129,253 | 70,747 | 6927204 |
| 6928096 | AST-13433 36 | NSF | 6928805 | Chandrakasan Child | 09/15/2013 | 08/31/2016 | 19,555 | | | 17,987 | 11,287 | 48,828 | 297,650 | 48,828 | 248,822 | 6928805 |
| 6928703 | 2013-HJ-24 40-S10 | Khalifa University of Science | 6928703 | Energy Harvesting For Self-Powered Wirel | 07/01/2013 | 04/30/2015 | 2,771 | | | 2,189 | 2,778 | 7,737 | 175,000 | 7,737 | 167,263 | 6928703 |
| 6929518 | AGREEME NT DATED 3/1/14 | Denso International America | 6929518 | Master Agreement | 03/01/2014 | 05/31/2015 | | | | | | 0 | 500,000 | 0 | 500,000 | 6929518 |
| 6929518 | AGREEME NT DATED 3/1/14 | Denso International America | 6930029 | Secure Dielets For Supply Chain Integrit | 05/01/2014 | 04/30/2015 | | | | | | 0 | 100,000 | 0 | 100,000 | 6930029 |
| | | | | Sup | ervisor Total: | | 171,691 | 86,944 | 29,847 | 159,206 | 185,877 | 633,567 | 3,222,056 | 1,783,887 | 1,438,169 | |
| • | isor: Dawso | | ology Labor | atorios | | | | | | | | | | | | |
| Master | Government | stems Techno Sponsor | Project | Project Wbs | Project Wbs | Project Wbs | Graduate | <u>Salaries</u> | | Operating | F&A | Fytd | Auth Total | Cumulative | Unexpend | Project |
| Project Number | Contract Number | <u>Name</u> | Wbs Id_2 | Name_2 | Effective Date | Expiration Date | Student Staff | | <u>Benefits</u> | Expenses | Costs | <u>Amount</u> | | <u>Amount</u> | <u>ed</u> Balance | Wbs Id |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6922026 | Dod Cap - Fy10 Appropriation | 06/01/2010 | 08/31/2014 | | 3,700 | 534 | 1,554 | 3,935 | 9,723 | 13,904 | 15,823 | -1,919 | 6922026 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6922183 | Asymmetric Multilevel Outphasing - Dawso | 06/01/2010 | 05/31/2012 | 0 | 0 | 0 | 0 | 0 | 0 | 382,000 | 382,000 | 0 | 6922183 |

| | | | | | | Fiscal | Period 201 | 412 | | | | | | | | |
|-----------------------------|----------------------------------|----------------------------|---------------------|---------------------------------------------------|----------------------------|-----------------------------|------------------------------|-----------------|----------------------|-----------------------|--------------|------------------------------|------------|----------------------|---------------------------|-------------------|
| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | <u>Salaries</u> | Employee Benefits | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6922184 | Asymmetric Multilevel Outphasing - Admin | 06/01/2010 | 05/31/2012 | <u> </u> | 0 | 0 | 0 | 0 | 0 | 34,848 | 34,848 | -0 | 6922184 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6922185 | Asymmetric Multilevel Outphasing - Cmu F | 06/01/2010 | 05/31/2012 | | | | -189,753 | 0 | -189,753 | 228,363 | 228,363 | 0 | 6922185 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6922186 | Asymmetric Multilevel Outphasing - Avnie | 06/01/2010 | 05/31/2012 | | | | -19,950 | 0 | -19,950 | 206,200 | 206,200 | 0 | 6922186 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6925417 | Dod Uncapped - Fy'11 Appropriation | 06/01/2010 | 08/31/2014 | | | | 5,222 | 3,159 | 8,381 | 182,341 | 137,069 | 45,272 | 6925417 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6925418 | Asymmetric Multilevel Outphasing - Dawso | 06/01/2010 | 05/31/2012 | 0 | | | 0 | 0 | 0 | 25,350 | 25,350 | 0 | 6925418 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6925419 | Asymmetric Multilevel Outphasing - Admin | 06/01/2010 | 05/31/2012 | | 0 | 0 | | 0 | 0 | 9,283 | 9,283 | 0 | 6925419 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6925420 | Asymmetric Multilevel Outphasing - Cmu F | 06/01/2010 | 10/22/2013 | | | | 189,753 | | 189,753 | 440,560 | 440,560 | 0 | 6925420 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6925421 | Asymmetric Multilevel Outphasing - Avnie | 06/01/2010 | 10/22/2013 | | | | 19,950 | 0 | 19,950 | 50,824 | 50,824 | 0 | 6925421 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6925424 | Asymmetric Multilevel Outphasing - Fabri | 06/01/2010 | 05/31/2013 | | | | -72,539 | | -72,539 | 45,000 | 45,000 | 0 | 6925424 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6925907 | Dod Uncapped - Phase li | 05/14/2012 | 08/31/2014 | | 22,131 | 8,078 | 115,030 | 98,763 | 244,002 | 317,723 | 405,528 | -87,805 | 6925907 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6926008 | Asymetrical Multilevel Outphasing - Daws | 06/01/2012 | 08/31/2014 | 0 | 18,411 | 5,250 | 1,380 | 17,028 | 42,070 | 172,906 | 170,378 | 2,528 | 6926008 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6926009 | Asymetrical Multilevel Outphasing Admi | 06/01/2012 | 11/30/2013 | | 3,279 | 1,197 | 180 | 3,166 | 7,822 | 27,035 | 27,035 | -0 | 6926009 |

| | | | | | | FISCA | i Period 201 | 412 | | | | | | | | |
|--------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------|-----------------------------------|--------------------|---------------------------|--------------------------------------------------|-------------------------------------------|-----------------------------------|--------------------------------------------|-------------------------------------------------|---------------------------------|--------------------------------|
| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | Salaries I | | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6926010 | Asymetrical Multilevel Outphasing Cmu | 06/01/2012 | 08/31/2014 | | | | 164,553 | | 164,553 | 581,355 | 578,163 | 3,192 | 6926010 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6926011 | Asymetrical Multilevel Outphasing Avni | 06/01/2012 | 11/30/2013 | | | | 0 | | 0 | 117,900 | 117,900 | 0 | 6926011 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6926014 | Asymetrical Multilevel Outphasing Rick | 06/01/2012 | 05/31/2013 | | 0 | 0 | | 0 | 0 | 274,637 | 274,637 | 0 | 6926014 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6927395 | Asymetrical Multilevel Outphasing - Ncsu | 05/14/2012 | 08/31/2014 | | | | 92,234 | 17,000 | 109,234 | 112,487 | 109,234 | 3,253 | 6927395 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6927613 | Dod Uncapped - Phase li Fy13 Funding | 05/14/2012 | 08/31/2014 | | | | | | 0 | 62,624 | 0 | 62,624 | 6927613 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6928062 | Fabricated Equipment: Asymmetric Multile | 06/01/2012 | 08/31/2014 | | | | 99,506 | | 99,506 | 100,000 | 99,506 | 494 | 6928062 |
| | | | | | | | | | | | | | | | 07.000 | |
| _ | | | | Sup | ervisor Total: | | 0 | 47,521 | 15,059 | 407,120 | 143,051 | 612,751 | 3,385,341 | 3,357,702 | 27,639 | |
| | | amo /Jesus / | | · | ervisor Total: | | 0 | 47,521 | 15,059 | 407,120 | 143,051 | 612,751 | 3,385,341 | 3,357,702 | 27,639 | |
| P06060 | 0 Microsys | tems Techno | ology Labor | atories | | Project Whe | | | · | · | , | | , , | , , | | Project |
| | | tems Techno | | · | Project Wbs Effective Date | Project Wbs Expiration Date | 0 Graduate Student Staff | 47,521 Salaries I | <u>Employee</u> | 407,120 Operating Expenses | 143,051 <u>F&A</u> <u>Costs</u> | 612,751 Fytd Amount | , , | 3,357,702 Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
| P06060 Master Project | 0 Microsys Government Contract | tems Techno Sponsor | ology Labor Project | atories Project Wbs | Project Wbs Effective | Expiration | Graduate Student | | <u>Employee</u> | Operating (| <u>F&A</u> | <u>Fytd</u> | , , | Cumulative | Unexpend ed | |
| P06060 Master Project Number | O Microsys Government Contract Number | Sponsor Name University of California-Sa | ology Labor Project Wbs Id_2 | atories Project Wbs Name 2 Muri - Jesus Del | Project Wbs Effective Date | Expiration Date | Graduate Student Staff | Salaries I | Employee Benefits | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Wbs Id |
| P06060 Master Project Number 6917845 | Government Contract Number KK8152 AGMNT DATED 11/1/09 | Sponsor Name University of California-Sa nta Barbara | Project Wbs Id 2 6917883 | Atories Project Wbs Name 2 Muri - Jesus Del Alamo | Project Wbs Effective Date 03/11/2008 | Expiration Date 10/29/2013 | Graduate Student Staff 12,018 | Salaries I | Employee Benefits 0 | Operating Expenses 12,517 | <u>F&A</u> <u>Costs</u> 13,548 | Fytd Amount 38,082 | Auth Total 612,000 | Cumulative Amount 612,000 | Unexpend ed Balance -0 | Wbs Id 6917883 |
| P06060 Master Project Number 6917845 | Government Contract Number KK8152 AGMNT DATED 11/1/09 DE-AR0000 | Sponsor Name University of California-Sa nta Barbara Intel Corporation DOE - Office | Project Wbs Id 2 6917883 | atories Project Wbs Name 2 Muri - Jesus Del Alamo lii-V Cmos Arpa-E Del | Project Wbs Effective Date 03/11/2008 | Expiration Date 10/29/2013 10/31/2013 | Graduate Student Staff 12,018 | Salaries I | Employee Benefits 0 | Operating Expenses 12,517 5,341 | F&A Costs 13,548 1,679 | Fytd Amount 38,082 4,585 | Auth Total 612,000 540,000 | <u>Cumulative</u> <u>Amount</u> 612,000 540,000 | Unexpend ed Balance -0 | Wbs Id 6917883 6921150 |
| P06060 Master Project Number 6917845 6921150 | Government Contract Number KK8152 AGMNT DATED 11/1/09 DE-AR0000 123 | Sponsor Name University of California-Sa nta Barbara Intel Corporation DOE - Office of ARPA-E University of California - | Project Wbs Id 2 6917883 6921150 | Arpa-E Del Alamo Child | Project Wbs Effective Date 03/11/2008 11/01/2009 09/01/2010 | Expiration Date 10/29/2013 10/31/2013 12/31/2013 | Graduate Student Staff 12,018 | Salaries I | Employee Benefits 0 0 | Operating Expenses 12,517 5,341 -370 | F&A Costs 13,548 1,679 | Fytd Amount 38,082 4,585 | Auth Total 612,000 540,000 32,700 | Cumulative Amount 612,000 540,000 32,700 | Unexpend ed Balance -0 | Wbs Id 6917883 6921150 6922614 |

| <u>Master</u> <u>Project</u> Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | Salaries | Employee Benefits | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------|-----------------|--------------------------|-----------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------------------|------------------------------|------------------------------|
| 6926567 | AGREEME NT SIGNED 3/20/13 | Masdar Institute of Science and Technology | 6926567 | Fabrication, Characterization And Modeli | 09/01/2012 | 08/31/2014 | 12,057 | | | 15,854 | 6,517 | 34,428 | 75,000 | 54,145 | 20,855 | 6926567 |
| 6926617 | AGREEME NT DATED OCT. 19, 20 | Samsung Electronics Co., Ltd. | 6926617 | Electrical Reliability And Trap Analysis | 12/01/2012 | 11/30/2013 | 2,664 | 7,350 | 1,117 | 22,284 | 13,775 | 47,190 | 100,000 | 100,000 | -0 | 6926617 |
| 6926640 | AGREEME NT SIGNED | Denso International America | 6926998 | Advanced 600 V Power Electronics Based O | 09/01/2012 | 02/28/2015 | 9,812 | 13,903 | 5,074 | 39,631 | 21,091 | 89,511 | 160,000 | 112,619 | 47,381 | 6926998 |
| 6927942 | OCT 2, 201 NRO000-13 C0309 | National Reconnaissa nce Office | 6927942 | Electrical, Thermal And Environmental Re | 08/01/2013 | 07/31/2016 | 19,973 | 8,439 | 3,080 | 27,429 | 21,601 | 80,523 | 166,668 | 80,523 | 86,145 | 6927942 |
| 6928887 | AGMT DTD 3/15/14 | Samsung | 6928887 | Physics And Technology Of Ingasb-Channel | 03/15/2014 | 03/14/2015 | 8,976 | | | 9,657 | 6,965 | 25,599 | 150,000 | 25,599 | 124,401 | 6928887 |
| _ | | | | Sup | ervisor Total: | | 131,520 | 32,172 | 10,321 | 257,162 | 176,433 | 607,608 | 2,870,952 | 2,487,256 | 383,696 | |
| • | | ad /Clifton G | | | | | | | | | | | | | | |
| P06060 | 0 Microsys | tems Techno | ology Labor | atories | | | | | | | | | | | | |
| Master Project | Government Contract | | Project Wbs Id_2 | atories Project Wbs Name 2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | Salaries | | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
| Master | Government | Sponsor Name | <u>Project</u> | Project Wbs | | | | <u>Salaries</u> | | | | | Auth Total | | | |
| Master Project Number | Government Contract Number 1-R01-DA02 | Sponsor Name NIH | Project Wbs Id_2 | Project Wbs Name_2 | Effective Date | Expiration Date | Student | | <u>Benefits</u> | Expenses | Costs | Amount | | Amount | ed Balance | Wbs Id |
| Master Project Number 6922089 | Government Contract Number 1-R01-DA02 9639-01 1-R01-DA02 | Sponsor Name NIH | Project Wbs Id 2 6922515 | Project Wbs Name 2 Fonstad Child Fabricated Equipment - Neural Device Ass | Effective Date 07/01/2010 | Expiration Date 06/30/2013 | Student | | <u>Benefits</u> | Expenses 0 | Costs | Amount 0 | 162,454 | <u>Amount</u> 162,454 | ed Balance 0 | Wbs Id 6922515 |
| Master Project Number 6922089 6922089 | Government Contract Number 1-R01-DA02 9639-01 1-R01-DA02 9639-01 | Sponsor Name NIH NIH on /Karen K | Project Wbs Id 2 6922515 6926017 | Project Wbs Name 2 Fonstad Child Fabricated Equipment - Neural Device Ass | Effective Date 07/01/2010 05/01/2012 | Expiration Date 06/30/2013 | Student | 0 | Benefits 0 | 0 0 | Costs 0 | Amount 0 | 162,454 4,822 | Amount 162,454 4,822 | ed Balance 0 | Wbs Id 6922515 |
| Master Project Number 6922089 6922089 Superv P06060 | Government Contract Number 1-R01-DA02 9639-01 1-R01-DA02 9639-01 isor: Glease | NIH NIH On /Karen K | Project Wbs Id 2 6922515 6926017 Dlogy Labor | Project Wbs Name 2 Fonstad Child Fabricated Equipment - Neural Device Ass Sup | Effective | Expiration Date 06/30/2013 04/10/2013 | Student Staff | 0 | Benefits 0 | Expenses 0 0 | 0 0 | <u>Amount</u> 0 0 | 162,454 4,822 167,276 | Amount 162,454 4,822 167,276 | ed Balance 0 0 | Wbs Id 6922515 6926017 |
| Master Project Number 6922089 6922089 | Government Contract Number 1-R01-DA02 9639-01 1-R01-DA02 9639-01 isor: Glease 0 Microsys Government Contract | NIH NIH On /Karen K | Project Wbs Id 2 6922515 6926017 | Project Wbs Name 2 Fonstad Child Fabricated Equipment - Neural Device Ass | Effective Date 07/01/2010 05/01/2012 | Expiration Date 06/30/2013 | Student | 0 | Benefits 0 | Expenses 0 0 | Costs 0 | Amount 0 | 162,454 4,822 167,276 | Amount 162,454 4,822 | ed Balance 0 | Wbs Id 6922515 |
| Master Project Number 6922089 6922089 Superv P06060 Master Project | Government Contract Number 1-R01-DA02 9639-01 1-R01-DA02 9639-01 isor: Glease 0 Microsys Government | NIH NIH On /Karen K tems Technology | Project Wbs Id 2 6922515 6926017 Dlogy Labor Project | Project Wbs Name 2 Fonstad Child Fabricated Equipment - Neural Device Ass Sup atories Project Wbs | Effective Date 07/01/2010 05/01/2012 ervisor Total: Project Wbs Effective | Expiration Date 06/30/2013 04/10/2013 Project Wbs Expiration | Student Staff Staff Graduate Student | 0 | Benefits 0 0 Employee | ©perating | 0 0 0 <u>F&A</u> | Amount 0 0 Fytd | 162,454 4,822 167,276 | Amount 162,454 4,822 167,276 Cumulative | ed Balance 0 0 0 | Wbs Id 6922515 6926017 |

Supervisor: Hoyt/Judy L

P060600 Microsystems Technology Laboratories

| | | | | | | risca | i Period 20 i | 412 | | | | | | | | |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------|-----------------|--------------------------------------|-----------------------------------------------------|--------------------------------------------------|--------------------------------------------------------|------------------------------------------|-----------------------------------------------------|-----------------------------------------------|--------------------------------|
| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | Salaries | Employee Benefits | Operating Expenses | F&A Costs | Fytd Amount | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
| 6920928 | NO. 2009-MT-20 51 | Microelectron ics Advanced Research Corp. | 6921004 | Hoyt | 11/01/2009 | 01/31/2013 | 0 | -1,462 | -519 | 0 | -1,347 | -3,327 | 546,709 | 546,709 | -0 | 6921004 |
| 6923266 | 00007444 | University of California - Berkeley | 6923305 | Research | 06/24/2010 | 02/28/2015 | 16,858 | 12,358 | 4,023 | 83,176 | 66,974 | 183,389 | 788,604 | 626,988 | 161,616 | 6923305 |
| | | | | Sup | ervisor Total: | | 16,858 | 10,897 | 3,504 | 83,176 | 65,627 | 180,061 | 1,335,313 | 1,173,697 | 161,616 | |
| • | | -Herrero /Pa | | otovio o | | | | | | | | | | | | |
| | - | tems Techno | 0, | | | | | 0.1. | | | - | | | 0 1.2 | | 5 |
| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | <u>Salaries</u> | | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
| 6922216 | W911NF-10 -2-0049 | Army Research Office | 6924697 | Arl - Jarillo-Herrero | 07/23/2011 | 07/22/2013 | | 0 | 0 | -6,592 | 25 | -6,567 | 100,000 | 100,000 | -0 | 6924697 |
| | | | | | | | | | | | | | | | | |
| | | | | Sup | ervisor Total: | | | 0 | 0 | -6,592 | 25 | -6,567 | 100,000 | 100,000 | -0 | |
| Superv | isor: Kona | /Jina | | Sup | ervisor Total: | | | 0 | 0 | -6,592 | 25 | -6,567 | 100,000 | 100,000 | -0 | |
| • | risor: Kong 0 Microsys | /Jing stems Techno | ology Labor | · | ervisor Total: | | | 0 | 0 | -6,592 | 25 | -6,567 | 100,000 | 100,000 | -0 | |
| P06060 Master Project | Government Contract | stems Techno | ology Labor Project Wbs Id 2 | · | Project Wbs Effective | Project Wbs Expiration Date | Graduate Student Staff | | Employee | -6,592 Operating Expenses | 25 <u>F&A</u> <u>Costs</u> | -6,567 <u>Fytd</u> <u>Amount</u> | , | 100,000 Cumulative Amount | Unexpend ed | Project Wbs Id |
| P06060 Master | 00 Microsys Government | Sponsor Name | <u>Project</u> | atories Project Wbs | Project Wbs | | | | Employee | Operating | <u>F&A</u> | <u>Fytd</u> | , | Cumulative | Unexpend | |
| P06060 Master Project Number 6922216 | Government Contract Number W911NF-10 -2-0049 | Sponsor Name Army Research Office | Project Wbs Id_2 | atories Project Wbs Name 2 Arl - Kong | Project Wbs Effective Date | Expiration Date | Student Staff | | Employee | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Wbs Id |
| P06060 Master Project Number 6922216 | Government Contract Number W911NF-10 -2-0049 | Sponsor Name Army Research Office | Project Wbs Id 2 6924696 | atories Project Wbs Name_2 Arl - Kong Sup | Project Wbs Effective Date 07/23/2011 | Expiration Date | Student Staff -2,575 | | Employee | Operating Expenses -8,471 | F&A Costs -1,733 | Fytd Amount -12,779 | Auth Total 100,036 | Cumulative Amount 100,036 | <u>Unexpend</u> <u>ed</u> <u>Balance</u> 0 | Wbs Id |
| P06060 Master Project Number 6922216 | Government Contract Number W911NF-10 -2-0049 | Sponsor Name Army Research Office | Project Wbs Id 2 6924696 | atories Project Wbs Name_2 Arl - Kong Sup | Project Wbs Effective Date 07/23/2011 ervisor Total: | Expiration Date | Student Staff -2,575 | Salaries | Employee | Operating Expenses -8,471 | F&A Costs -1,733 | Fytd Amount -12,779 | Auth Total 100,036 100,036 | Cumulative Amount 100,036 | Unexpend ed Balance 0 | Wbs Id |
| P06060 Master Project Number 6922216 Superv P06060 Master Project Number | Government Contract Number W911NF-10 -2-0049 risor: Lee /H Microsys Government Contract Number | Army Research Office dae-Seung stems Technology Sponsor Name | Project Wbs Id 2 6924696 blogy Labor Project Wbs Id 2 | atories Project Wbs Name_2 Arl - Kong Sup atories Project Wbs Name_2 | Project Wbs Effective Date 07/23/2011 ervisor Total: Project Wbs Effective Date | Expiration Date 07/22/2013 Project Wbs Expiration Date | Student Staff -2,575 -2,575 Graduate Student Staff | <u>Salaries</u> | Employee Benefits Employee Benefits | Operating Expenses -8,471 -8,471 Operating Expenses | F&A Costs -1,733 -1,733 F&A Costs | Fytd Amount -12,779 -12,779 Fytd Amount | Auth Total 100,036 100,036 Auth Total | Cumulative Amount 100,036 100,036 Cumulative Amount | Unexpend ed Balance 0 Unexpend ed ed Balance | Wbs Id 6924696 Project Wbs Id |
| P06060 Master Project Number 6922216 Superv P06060 Master Project | Government Contract Number W911NF-10 -2-0049 isor: Lee /H Microsys Government Contract | Army Research Office dae-Seung stems Technology | Project Wbs Id 2 6924696 blogy Labor Project | atories Project Wbs Name 2 Arl - Kong Sup atories Project Wbs | Project Wbs Effective Date 07/23/2011 ervisor Total: Project Wbs Effective | Expiration Date 07/22/2013 Project Wbs Expiration | Student Staff -2,575 -2,575 Graduate Student | Salaries | Employee Benefits Employee | Operating Expenses -8,471 -8,471 Operating | F&A Costs -1,733 -1,733 | Fytd_ Amount -12,779 -12,779 | Auth Total 100,036 100,036 | Cumulative Amount 100,036 100,036 | Unexpend ed Balance 0 | Wbs Id 6924696 Project |

| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name 2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | Salaries | Employee Benefits | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
|-----------------------------|----------------------------------|-----------------------------------------------|---------------------|---------------------------------------------------|----------------------------|-----------------------------|------------------------|----------------|----------------------|-----------------------|--------------|------------------------------|--------------------|----------------------|---------------------------|-------------------|
| 6926366 | N00014-12- 1-0915 | Navy - ONR | 6926380 | Ultra-High Performance Adc S In Gan Le | 07/01/2012 | 09/30/2014 | 31,388 | 24,920 | 7,630 | 41,142 | 50,840 | 155,920 | 233,130 | 175,797 | 57,333 | 6926380 |
| | | | | Sup | ervisor Total: | | 38,714 | 35,566 | 10,761 | 49,538 | 66,697 | 201,276 | 935,026 | 668,190 | 266,836 | |
| • | | e /Gregory J | ology Labor | atorios | | | | | | | | | | | | |
| Master | Government | stems Techno Sponsor | Project | Project Wbs | Project Wbs | Project Wbs | Graduate | Salaries | Employee | Operating | F&A | Fytd | Auth Total | Cumulative | Unexpend | Project |
| Project Number | Contract Number | Name | Wbs Id_2 | Name_2 | Effective Date | Expiration Date | Student Staff | <u>odianoo</u> | Benefits | Expenses | Costs | Amount | <u> Mari Total</u> | Amount | ed Balance | Wbs Id |
| 6892728 | Z702367 | University of Arizona | 6892731 | Environmentally Benign Semiconductor Man | 04/01/2001 | 04/30/2004 | 0 | | | 0 | 0 | 0 | 217,217 | 217,217 | 0 | 6892731 |
| | | | | Sup | ervisor Total: | | 0 | | | 0 | 0 | 0 | 217,217 | 217,217 | 0 | |
| • | isor: Palaci | os /Tomas stems Techno | ology Labor | atorios | | | | | | | | | | | | |
| Master_ | Government | | Project | Project Wbs | Project Wbs | Project Wbs | Graduate | Salaries | Employee | Operating | F&A | <u>Fytd</u> | Auth Total | Cumulative | Unexpend | <u>Project</u> |
| Project Number | Contract Number | Name | Wbs Id_2 | Name_2 | Effective Date | Expiration Date | Student Staff | <u> </u> | Benefits | Expenses | Costs | Amount | 7.44 | Amount | ed Balance | Wbs Id |
| 6917845 | KK8152 | University of California-Sa nta Barbara | 6917884 | Drift Muri - Tomas Palacios | 03/14/2008 | 10/29/2013 | 14,239 | 0 | 0 | 17,112 | 15,845 | 47,195 | 780,000 | 780,000 | 0 | 6917884 |
| 6919657 | N00014-09- 1-0864 | Navy - ONR | 6921605 | Dod Cap - Fy10 Appropriation | 06/01/2009 | 05/31/2013 | | 0 | 0 | 18,069 | 0 | 18,069 | 170,000 | 170,000 | -0 | 6921605 |
| 6919657 | N00014-09- 1-0864 | Navy - ONR | 6924332 | Dod Fy2011 Funding - Uncapped | 06/01/2009 | 05/31/2013 | 0 | 0 | 0 | -18,069 | 0 | -18,069 | 264,167 | 264,167 | 0 | 6924332 |
| 6919901 | ECCS-0846 628 | NSF | 6919901 | Career: Terahertz Electronics Based On N | 09/01/2009 | 02/28/2014 | 2,664 | | | 23,849 | 17,794 | 44,306 | 399,632 | 399,632 | 0 | 6919901 |
| 6920025 | N00014-09- 1-1063 | Navy - ONR | 6920364 | Dod Cap Funds Fy09 - Palacios | 07/01/2009 | 01/31/2010 | 0 | 0 | 0 | 0 | 0 | 0 | 60,411 | 60,411 | -0 | 6920364 |
| 6920025 | N00014-09- 1-1063 | Navy - ONR | 6921410 | Dod Cap Funds Fy10 - Palacios | 11/01/2009 | 01/31/2011 | 0 | 0 | 0 | 0 | 0 | 0 | 175,261 | 175,261 | 0 | 6921410 |
| 6920025 | N00014-09- 1-1063 | Navy - ONR | 6923103 | Palacios | 10/01/2010 | 12/31/2014 | 27,125 | 1,304 | 476 | 56,652 | 50,926 | 136,482 | 651,511 | 610,916 | 40,596 | 6923103 |
| 6922454 | DE-AR0000 123 | DOE - Office of ARPA-E | 6922615 | Arpa-E Palacios | 09/01/2010 | 12/31/2013 | | | | 48,080 | 32,454 | 80,534 | 322,577 | 322,577 | 0 | 6922615 |
| 6923035 | KK 1131 | University of California-Sa nta Barbara | 6923035 | Define Dielectric Enhancements For Innov | 08/01/2010 | 07/31/2015 | 20,320 | 0 | 0 | 33,635 | 25,741 | 79,696 | 523,180 | 508,187 | 14,993 | 6923035 |

| | | | | | | Fisca | l Period 201 | 412 | | | | | | | | |
|-----------------------------|---------------------------------------|-----------------------------------------------|---------------------|---------------------------------------------------|----------------------------|-----------------------------|------------------------------|----------|----------------------|-----------------------|--------------|------------------------------|------------|----------------------|---------------------------|-------------------|
| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | Salaries | Employee Benefits | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
| 6925290 | PO5103795 | Triquint Semiconduct or, LP | 6925290 | Gan E/D Process Development Support For | 10/09/2011 | 12/31/2013 | 15,526 | 3,868 | 1,412 | 40,158 | 31,014 | 91,978 | 489,617 | 489,617 | 0 | 6925290 |
| 6925291 | PO #5103199 | Triquint Semiconduct or, LP | 6925291 | Darpa Next Project Phase Ii & Iii | 10/01/2011 | 10/31/2014 | 18,947 | 34,252 | 12,502 | 57,318 | 65,661 | 188,678 | 530,000 | 523,940 | 6,060 | 6925291 |
| 6925348 | AGMT DATED 1/1/12 | Sumitomo Electric Industries | 6925348 | To Understand The Ultimate Performance O | 01/01/2013 | 12/31/2014 | 5,803 | 30,941 | 10,614 | 36,457 | 44,970 | 128,785 | 200,000 | 132,527 | 67,473 | 6925348 |
| 6925516 | PO 7000186588 | Lincoln Laboratory | 6925516 | 10 Kv Gan-On-Silicon Transistors For Mid | 01/01/2012 | 12/31/2013 | 5,328 | 14,316 | 4,487 | 14,535 | 23,379 | 62,045 | 700,000 | 700,000 | -0 | 6925516 |
| 6925965 | AGREEME NT DATED JUNE 6, 201 | Analog Devices, Incorporated | 6925965 | Characterization Of Gan-On-Si Transistor | 06/06/2012 | 02/28/2014 | 0 | 3,541 | 1,292 | 8,269 | 8,264 | 21,367 | 40,000 | 40,000 | 0 | 6925965 |
| 6926366 | | Navy - ONR | 6926366 | Ultra-High Performance Adcs In Gan | 07/01/2012 | 09/30/2014 | | | | | | 0 | 20,000 | 0 | 20,000 | 6926366 |
| 6926366 | N00014-12- 1-0915 | Navy - ONR | 6926381 | Ultra-High Performance Adc S In Gan Pa | 07/01/2012 | 09/30/2014 | 0 | 23,567 | 8,602 | 3,113 | 19,746 | 55,027 | 111,872 | 95,434 | 16,438 | 6926381 |
| 6926640 | AGREEME NT SIGNED OCT 2, 201 | Denso International America | 6926640 | Advanced 600 V Power Electronics Based O | 09/01/2012 | 02/28/2015 | 34,462 | 3,994 | 1,118 | 51,006 | 37,278 | 127,860 | 300,000 | 208,983 | 91,017 | 6926640 |
| 6926686 | N00014-12- 1-0959 | Navy - ONR | 6926686 | Low Dimensionality Transistors For High | 09/01/2012 | 08/31/2017 | 30,206 | 10,813 | 3,947 | 99,829 | 65,981 | 210,776 | 529,508 | 420,408 | 109,100 | 6926686 |
| 6926715 | NNG12LD5 9P | NASA - Goddard Space Flight Center | 6926715 | Graphene-Based Strain Sensors | 10/01/2012 | 09/30/2013 | 0 | | | 31,773 | 17,793 | 49,566 | 70,000 | 70,000 | 0 | 6926715 |
| 6927025 | AGREEME NT DATED 10/1/12 | Schlumberge r - Doll Research Center | 6927025 | Gan Hemt Power Amplifiers At Elevated Te | 10/01/2012 | 09/30/2014 | | 16,046 | 5,619 | 60,109 | 45,793 | 127,567 | 300,186 | 237,654 | 62,532 | 6927025 |
| 6928686 | W911NF-13 -2-0047 | Army Research Office | 6928686 | Hybrid Graphene - Mos2 Structures For Ad | 09/27/2013 | 09/26/2014 | | | | 8,397 | 4,702 | 13,099 | 0 | 13,099 | -13,099 | 6928686 |
| 6928686 | W911NF-13 -2-0047 | Army Research Office | 6928709 | Palacios Child | 09/27/2013 | 09/26/2014 | 4,967 | | | 17,677 | 11,302 | 33,946 | 50,000 | 33,946 | 16,054 | 6928709 |

| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | <u>Salaries</u> | Employee Benefits | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
|------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------|---------------------------------------|-----------------|--------------------------|---------------------------|-------------------|------------------------------|----------------------|-----------------------------------------------|---------------------------|-------------------------|
| 6929068 | AGMT DTD 11/5/13 | Cambridge Electronics, Inc | 6929068 | Gallium Nitride (Gan)-Based High Efficie | 05/01/2013 | 11/30/2014 | <u></u> | 16,072 | 3,486 | 40 | 10,975 | 30,572 | 45,000 | 30,572 | 14,428 | 6929068 |
| 6929449 | SC001-639 | Draper Laboratory Incorporated | 6929449 | Fy13 Draper Ir&D - Gan-Based Circuits Fo | 06/30/2012 | 06/28/2013 | | 6,067 | 2,154 | 1,572 | 5,925 | 15,719 | 99,893 | 99,893 | -0 | 6929449 |
| 6929745 | 4913900052 | International Business Machine | 6929745 | Maganimos: Integrated Magnetic, Gan, And | 09/30/2013 | 09/29/2016 | 13,320 | 2,841 | 1,037 | 16,273 | 12,032 | 45,503 | 347,237 | 45,503 | 301,734 | 6929745 |
| 6930025 | NNX14AH1 1A | NASA - Langley Research Center | 6930025 | Ubiquitous 2-Dimensional Smart Sensing (| 04/07/2014 | 04/06/2017 | | | | 30 | 17 | 47 | 120,000 | 47 | 119,953 | 6930025 |
| 6930075 | 2(GG00855 3) | Columbia University | 6930075 | Device And Fabrication Technology For Th | 04/01/2014 | 03/31/2015 | 277 | 8,313 | 2,695 | | 6,319 | 17,603 | 285,000 | 17,603 | 267,397 | 6930075 |
| | | | | Sup | ervisor Total: | | 193,182 | 175,934 | 59,441 | 625,883 | 553,912 | 1,608,35 | 7,585,052 | 6,450,376 | 1,134,676 | |
| - | isor: Reif/L | . Rafael tems Techno | ology I abor | atories | | | | | | | | | | | | |
| | 0 1411010393 | | ology Labol | atorics | | | | | | | | | | | | |
| Master Project | Government | | Project | Project Wbs | Project Wbs | Project Wbs | <u>Graduate</u> | <u>Salaries</u> | Employee Benefits | Operating Expenses | F&A | Fytd Amount | Auth Total | | <u>Unexpend</u> | Project Whe Id |
| Project Number | Contract Number | Sponsor Name | Wbs Id_2 | Project Wbs Name 2 | Effective Date | Expiration Date | Graduate Student Staff | | Benefits | Expenses | Costs | Amount | | <u>Amount</u> | ed Balance | Wbs Id |
| Project | Contract | | | | Effective | Expiration | Student | Salaries 0 | | | | | Auth Total 54,893 | | ed | |
| Project Number | Contract Number | Name University of | Wbs Id_2 | Name 2 Environmentally Benign Semiconductor Man | Effective Date | Expiration Date | Student | | Benefits | Expenses | Costs | Amount | | <u>Amount</u> | ed Balance | Wbs Id |
| Project Number 6892728 | Contract Number Z702367 | Name University of | Wbs Id 2 6892732 | Name 2 Environmentally Benign Semiconductor Man | Effective Date 04/01/2001 | Expiration Date | Student | 0 | Benefits 0 | Expenses 0 | <u>Costs</u> | Amount 0 | 54,893 | <u>Amount</u> 54,893 | ed Balance 0 | Wbs Id |
| Project Number 6892728 Superv P06060 | Contract Number Z702367 isor: Schmi | Name University of Arizona dt /Martin Artems Technology | Wbs Id 2 6892732 cnold blogy Labor | Name 2 Environmentally Benign Semiconductor Man Sup | Effective Date 04/01/2001 ervisor Total: | Expiration Date 03/31/2006 | Student Staff | 0 | Benefits 0 | Expenses 0 0 | <u>Costs</u> 0 | <u>Amount</u> 0 | 54,893 54,893 | <u>Amount</u> 54,893 54,893 | ed Balance 0 | Wbs Id 6892732 |
| Project Number 6892728 | Contract Number Z702367 | Name University of Arizona dt /Martin Artems Technology | Wbs Id 2 6892732 | Name 2 Environmentally Benign Semiconductor Man Sup | Effective Date 04/01/2001 | Expiration Date | Student | 0 | Benefits 0 0 Employee | Expenses 0 0 | <u>Costs</u> | Amount 0 | 54,893 54,893 | <u>Amount</u> 54,893 54,893 | ed Balance 0 | Wbs Id |
| Project Number 6892728 Superv P06060 Master Project | Contract Number Z702367 isor: Schmi Microsys Government Contract | Name University of Arizona dt /Martin Artems Technologonsor Name | Wbs Id 2 6892732 nold blogy Labor Project | Name 2 Environmentally Benign Semiconductor Man Sup atories Project Wbs | Effective Date 04/01/2001 ervisor Total: Project Wbs Effective | Expiration Date 03/31/2006 Project Wbs Expiration | Student Staff Staff Graduate Student | 0 | Benefits 0 0 Employee | Expenses 0 0 Operating | 0 0 0 | Amount 0 0 | 54,893 54,893 | <u>Amount</u> 54,893 54,893 <u>Cumulative</u> | ed Balance 0 0 | Wbs Id 6892732 Project |

| | | | | | | i isca | Perioa 201 | 712 | | | | | | | | |
|--------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------|------------------------------|----------|--------|-----------------------|--------------|------------------------------|-------------------|----------------------|---------------------------|---------------------------------|
| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | Salaries | | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
| 6920957 | W31P4Q-10 -1-0005 | Army | 6924016 | Fy11 Uncapped Allocation: Option I | 08/12/2009 | 12/31/2013 | 0 | 0 | 0 | -151,517 | 214 | -151,303 | 481,475 | 481,556 | -81 | 6924016 |
| 6920957 | W31P4Q-10 -1-0005 | Army | 6925107 | Fy11 Uncapped: Northeastern Subaward | 08/12/2009 | 02/20/2014 | | | | 240,382 | 0 | 240,382 | 418,615 | 404,294 | 14,321 | 6925107 |
| 6920957 | W31P4Q-10 -1-0005 | Army | 6927877 | Additional Tasks For Chip Scale Vacuum M | 11/12/2009 | 02/20/2014 | | 14,086 | 5,141 | 151,832 | 13,075 | 184,134 | 184,134 | 184,134 | 0 | 6927877 |
| 6925136 | DE-AR0000 180 | DOE - Office of ARPA-E | 6925148 | Child: Schmidt | 01/09/2012 | 01/08/2015 | 0 | 85,925 | 31,363 | 1,075 | 71,609 | 189,972 | 480,000 | 356,697 | 123,303 | 6925148 |
| 6926075 | N66001-12- 1-4212 | Space and Naval Warfare Systems Center | 6926075 | Field Emission Arrays For Dynamic Patter | 04/10/2012 | 07/08/2014 | 41,803 | 66,081 | 22,714 | 162,892 | 157,699 | 451,188 | 950,000 | 998,900 | -48,900 | 6926075 |
| _ | | | | Sup | ervisor Total: | | 41,803 | 166,093 | 59,218 | 404,663 | 242,597 | 914,373 | 3,622,472 | 3,531,028 | 91,444 | |
| - | isor: Sodini | | | | | | | | | | | | | | | |
| | • | tems Techno | 0. | | | | | | | | | | | | | |
| <u>Master</u> <u>Project</u> <u>Number</u> | Government Contract | <u>Sponsor</u> <u>Name</u> | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | Salaries | | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | <u>Project</u> <u>Wbs Id</u> |
| | Number | | | | | | <u> Staii</u> | | | | | | | | | |
| 6891026 | <u>Number</u> AGMT EFF. 7/1/00 | Texas Instruments, Incorporated | 6891026 | Mit/Ti Design Center System On Chip In T | 07/01/2000 | 06/30/2015 | <u>Stan</u> | 0 | 0 | 17,203 | 0 | 17,203 | 69,554 | 61,755 | 7,799 | 6891026 |
| · · · | AGMT | Instruments, | 6891026 6891081 | Center System | | | 0 | 0 | 0 | 17,203 | 0 | 17,203 | 69,554 286,446 | 61,755 286,446 | | 6891026 6891081 |
| 6891026 | AGMT EFF. 7/1/00 | Instruments, Incorporated Texas Instruments, Incorporated | | Center System On Chip In T Mit/Ti Design Center System | 07/01/2000 | 06/30/2015 | | | v | | | | , | | 7,799 | |
| 6891026 6891026 | AGMT EFF. 7/1/00 AGMT EFF. 7/1/00 W911NF-10 | Instruments, Incorporated Texas Instruments, Incorporated Army Research | 6891081 | Center System On Chip In T Mit/Ti Design Center System On Chip In T Asymmetric Multilevel Outphasing - | 07/01/2000 | 06/30/2015 | | 0 | 0 | 0 | 0 | 0 | 286,446 | 286,446 | 7,799 | 6891081 |

| | | | | | | risca | i Period 201 | 412 | | | | | | | | |
|-------------------------------------------|---------------------------------------|-----------------------------------------------|---------------------|---------------------------------------------------|----------------------------|-----------------------------|------------------------------|-----------------|------------------|-----------------------|--------------|------------------------------|------------|----------------------|-----------------------------------------|-------------------|
| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | <u>Salaries</u> | | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
| 6923889 | AGRMT DATED 5/3/11 | Analog Devices, Incorporated | 6923889 | Wearable Vital Signs Monitor | 05/06/2011 | 08/05/2014 | _ | 18,588 | 6,270 | 3,788 | 15,975 | 44,622 | 113,973 | 60,107 | 53,866 | 6923889 |
| 6923889 | AGRMT DATED 5/3/11 | Analog Devices, Incorporated | 6923898 | Wearable Vital Signs Monitor - Sodini | 05/06/2011 | 08/05/2014 | 73,607 | 19,478 | 5,454 | 64,070 | 63,853 | 226,462 | 690,234 | 643,500 | 46,734 | 6923898 |
| 6925162 | RESEARCH AGREEME NT NO. 2011 | Maxim Integrated Products, Inc. | 6925162 | Fully Electronic, Wearable Transcranial | 02/01/2012 | 08/31/2015 | | 1,878 | 685 | 20 | 1,435 | 4,019 | 18,000 | 7,928 | 10,072 | 6925162 |
| 6925162 | | | 6925818 | Medrc Maxim Sodini-Lee | 02/01/2012 | 08/31/2015 | 21,455 | 10,182 | 3,224 | 44,327 | 21,155 | 100,342 | 294,000 | 136,400 | 157,600 | 6925818 |
| | | | | Sup | ervisor Total: | | 95,062 | 52,008 | 16,320 | 129,982 | 104,044 | 397,417 | 1,511,976 | 1,232,143 | 279,832 | |
| Superv | isor: Thom | pson /Carl Ve | ernette | | | | | | | | | | | | | |
| P06060 | 0 Microsys | stems Techno | ology Labor | atories | | | | | | | | | | | | |
| Master Project | Government | | Project Wbs Id 2 | Project Wbs Name 2 | Project Wbs Effective | Project Wbs Expiration | Graduate Student | <u>Salaries</u> | | Operating Expenses | F&A Costs | <u>Fytd</u> Amount | Auth Total | Cumulative Amount | <u>Unexpend</u> | Project Wbs Id |
| <u>Project</u> Number | Contract Number | <u>Name</u> | <u>vvbs iu_z</u> | <u>ivaille_2</u> | <u>Date</u> | <u>Date</u> | Staff | | <u>Deffetits</u> | Expenses | COSIS | Amount | | Amount | <u>ed</u> <u>Balance</u> | <u>wws iu</u> |
| 6917845 | KK8152 | University of California-Sa nta Barbara | 6917885 | Muri - Carl Thompson | 03/14/2008 | 10/29/2013 | -164 | 4,483 | 1,636 | 17,794 | 16,023 | 39,772 | 606,459 | 606,459 | 0 | 6917885 |
| | | | | | | | 404 | 4 400 | 4 000 | 47.704 | 40.000 | 20.772 | 606,459 | 606,459 | 0 | |
| | | | | Sup | ervisor Total: | | -164 | 4,483 | 1,636 | 17,794 | 16,023 | 39,772 | 000,439 | 000,439 | · · | |
| • | | quez-Heller /I | | | | | | | | | | | | | | |
| | - | tems Techno | 0, | | | | | | | | | | | | | |
| <u>Master</u> <u>Project</u> Number | Government Contract Number | <u>Sponsor</u> <u>Name</u> | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | <u>Salaries</u> | | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | <u>Unexpend</u> <u>ed</u> Balance | Project Wbs Id |
| 6920957 | W31P4Q-10 -1-0005 | Army | 6921273 | Dod Cap - Fy09 Velasquez-Heller | 08/12/2009 | 07/31/2012 | 0 | 0 | 0 | 0 | 0 | 0 | 1,141,503 | 1,141,503 | 0 | 6921273 |
| 6920957 | W31P4Q-10 -1-0005 | Army | 6923547 | Fabricated Equipment - Mini Vacuum Chamb | 08/12/2009 | 07/31/2012 | | | | 0 | | 0 | 16,180 | 16,180 | 0 | 6923547 |
| 6920957 | W31P4Q-10 -1-0005 | Army | 6924205 | Fy11 Uncapped Opt 1: Velasquez-Heller Ch | 08/12/2009 | 02/20/2014 | 8,604 | 69,780 | 25,470 | 57,985 | 91,599 | 253,437 | 855,723 | 855,723 | 0 | 6924205 |
| 6920957 | W31P4Q-10 -1-0005 | Army | 6927738 | Fabricated Equipment - Double Test Chamb | 03/01/2013 | 02/20/2014 | | | | 73,520 | | 73,520 | 84,572 | 84,572 | 0 | 6927738 |

| | | | | | | Fiscai | renou zun | 412 | | | | | | | | |
|-----------------------------|----------------------------------|----------------------------------------------------|---------------------|---------------------------------------------------|----------------------------|-----------------------------|------------------------------|------------|--------|-----------------------|--------------|------------------------------|--------------|----------------------|-----------------------------------------|-------------------|
| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | Salaries I | | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total (| Cumulative Amount | <u>Unexpend</u> <u>ed</u> Balance | Project Wbs Id |
| 6924160 | N66001-11- 1-4164 | Space and Naval Warfare Systems Center | 6924160 | Fast-Pulsed High-Current Cold Cathodes W | 08/01/2011 | 07/31/2013 | 0 | 4,349 | 1,587 | 445 | 3,861 | 10,242 | 245,720 | 245,720 | 0 | 6924160 |
| 6924160 | N66001-11- 1-4164 | Space and Naval Warfare Systems Center | 6925848 | Fabricated Equipment - Vacuum Chamber Sy | 05/08/2012 | 07/31/2013 | | | | -150 | | -150 | 86,880 | 86,880 | 0 | 6925848 |
| 6924717 | N66001-11- 1-4192 | Space and Naval Warfare Systems Center | 6924783 | Rle - Cubix | 09/30/2011 | 09/29/2014 | 9,756 | 61,480 | 22,440 | 45,458 | 82,793 | 221,926 | 456,280 | 459,171 | -2,891 | 6924783 |
| 6924717 | N66001-11- 1-4192 | Space and Naval Warfare Systems Center | 6925847 | Fabricated Equipment - Uhv Chamber Syste | 05/01/2012 | 09/29/2014 | | | | 30,139 | | 30,139 | 93,720 | 93,720 | 0 | 6925847 |
| 6925139 | SUBAWAR D #219877 | Massachuset ts General Hospital | 6925139 | A Portable Distributed X-Ray Source For | 09/30/2011 | 09/30/2014 | | | | 0 | 0 | 0 | 130 | 126 | 4 | 6925139 |
| 6925139 | SUBAWAR D #219877 | Massachuset ts General Hospital | 6925187 | Mgh - Pax | 09/30/2011 | 09/30/2014 | 2,532 | 69,330 | 25,305 | 87,703 | 103,527 | 288,397 | 889,922 | 730,916 | 159,006 | 6925187 |
| 6925139 | SUBAWAR D #219877 | Massachuset ts General Hospital | 6926986 | Autonomous Vacuum Chamber For Generation | 09/30/2012 | 09/30/2014 | | | | 19,055 | | 19,055 | 119,662 | 117,657 | 2,005 | 6926986 |
| 6929746 | TBD | Draper Laboratory Incorporated | 6929746 | Field Emission Cathodes For Ion Pumps | 04/07/2014 | 11/30/2014 | | | | | | 0 | 150,000 | 0 | 150,000 | 6929746 |
| | | | | Sup | ervisor Total: | | 20,892 | 204,939 | 74,803 | 314,155 | 281,780 | 896,568 | 4,140,292 | 3,832,168 | 308,125 | |

Supervisor: Weinstein /Dana

P060600 Microsystems Technology Laboratories

| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | | Employee Benefits | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | <u>Unexpend</u> <u>ed</u> Balance | Project Wbs Id |
|-----------------------------|---------------------------------------|----------------------------------------------------|---------------------|------------------------------------------------|----------------------------|-----------------------------|------------------------|--------|----------------------|-----------------------|--------------|------------------------------|------------|----------------------|-----------------------------------------|-------------------|
| 6922114 | N66001-10- 1-4046 | Space and Naval Warfare Systems Center | 6922115 | Dod Cap Funds - Fy10 Appropriation | 06/25/2010 | 06/23/2013 | 0 | 0 | 0 | 406 | -405 | 1 | 149,999 | 149,999 | -0 | 6922115 |
| 6922114 | N66001-10- 1-4046 | Space and Naval Warfare Systems Center | 6923887 | Dod Cap Fy11 - Uncapped | 06/25/2010 | 06/23/2013 | | | | -2,404 | 266 | -2,137 | 150,000 | 150,000 | 0 | 6923887 |
| 6923924 | 2011-VJ-21 65 | Semiconduct or Research Corporation | 6923924 | Unreleased Resonant Body Transistors In | 07/01/2011 | 06/30/2014 | 11,988 | 2,792 | 782 | 30,717 | 23,946 | 70,225 | 300,000 | 300,355 | -355 | 6923924 |
| 6924095 | AGREEME NT DATED JUNE 21, 20 | Intel Corporation | 6924095 | Proposal For A Feasibility Study Concern | 07/01/2011 | 10/31/2013 | | | | 54,570 | 25 | 54,595 | 135,000 | 135,000 | 0 | 6924095 |
| 6925268 | ECCS-1150 493 | NSF | 6925268 | Career: Active Transducers For Mems Reso | 02/01/2012 | 01/31/2017 | 9,586 | 0 | 0 | 37,906 | 28,657 | 76,148 | 400,000 | 179,154 | 220,846 | 6925268 |
| 6927458 | N66001-13- 1-4022 | Space and Naval Warfare Systems Center | 6927458 | Complete Si-Gan Circuits+Mems Integratio | 02/16/2013 | 10/14/2014 | | | | | 0 | 0 | 0 | 0 | -0 | 6927458 |
| 6927458 | N66001-13- 1-4022 | Space and Naval Warfare Systems Center | 6927865 | Weinstein Child | 02/16/2013 | 10/14/2014 | 47,756 | 54,817 | 21,045 | 90,050 | 105,829 | 319,497 | 751,046 | 364,342 | 386,704 | 6927865 |
| 6927458 | N66001-13- 1-4022 | Space and Naval Warfare Systems Center | 6927866 | Management | 02/16/2013 | 10/14/2014 | | 5,218 | 1,905 | | 3,989 | 11,112 | 17,842 | 11,112 | 6,730 | 6927866 |
| 6927458 | N66001-13- 1-4022 | Space and Naval Warfare Systems Center | 6927868 | Raytheon Subaward | 02/16/2013 | 10/14/2014 | | | | 58,005 | 14,000 | 72,005 | 115,710 | 72,005 | 43,705 | 6927868 |
| 6927458 | N66001-13- 1-4022 | Space and Naval Warfare Systems Center | 6927869 | Stanford Subaward | 02/16/2013 | 10/14/2014 | | | | 120,214 | 14,000 | 134,214 | 227,478 | 134,214 | 93,264 | 6927869 |

| Master | Government | Sponsor | Project | Project Wbs | Project Wbs | Project Wbs | Graduate | | Employee | Operating | F&A | Fytd | Auth Total | Cumulative | Unexpend | Project |
|-----------------------------|-----------------------------------|---------------------------------------|---------------------|---------------------------------------------------|----------------------------|-----------------------------|------------------------------|-----------------|-----------------|-----------------------|--------------|------------------------------|--------------|----------------------|-----------------------------|-------------------|
| Project Number | Contract Number | <u>Name</u> | Wbs Id_2 | Name_2 | Effective Date | Expiration Date | Student Staff | | <u>Benefits</u> | Expenses | Costs | <u>Amount</u> | | <u>Amount</u> | <u>ed</u> <u>Balance</u> | Wbs Id |
| 6928024 | 12105-3017 02-DS | HRL Laboratories, LLC | 6928024 | Unconventional Processing Of Signals For | 06/20/2013 | 06/05/2014 | 33,820 | | | 52,331 | 31,421 | 117,572 | 200,000 | 117,572 | 82,428 | 6928024 |
| 6928685 | PO 4200747979 | Raytheon Company | 6928685 | Fundamental Research Of Gan Hemt Bulk-Ac | 08/15/2013 | 09/14/2014 | 10,958 | 9,897 | 2,771 | 22,852 | 19,967 | 66,445 | 100,000 | 66,445 | 33,555 | 6928685 |
| | | | | Sup | ervisor Total: | | 114,107 | 72,724 | 26,503 | 464,647 | 241,696 | 919,676 | 2,547,075 | 1,680,198 | 866,877 | |
| | | | Primary | y Volume Total | | | 912,439 | 983,538 | 339,185 | 3,076,093 | 3 2,285,875 | 5 7,597,131 | 1 41,400,730 | 36,053,293 | 5,347,436 | |
| Second | ary Volume | | | | | | | | | | | | | | | |
| | | stathis /Geor | ae | | | | | | | | | | | | | |
| • | | cal Engineeri | - | | | | | | | | | | | | | |
| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | Salaries | | Operating Expenses | F&A Costs | Fytd Amount | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
| 6924630 | AWARD EFFECTIVE JULY 1, 201 | | 6924727 | Computational Photography - Barbastathis | 07/01/2011 | 06/30/2015 | | 0 | 0 | 0 | 0 | 0 | 150,000 | 83,746 | 66,254 | 6924727 |
| 6925139 | SUBAWAR D #219877 | Massachuset ts General Hospital | 6926924 | Barbastathis - Pax | 09/30/2011 | 03/02/2014 | 15,322 | | | 9,395 | 9,567 | 34,284 | 100,000 | 99,870 | 130 | 6926924 |
| | | | | Sup | ervisor Total: | | 15,322 | 0 | 0 | 9,395 | 9,567 | 34,284 | 250,000 | 183,616 | 66,384 | |
| Superv | isor: Danie | l /Luca | | | | | | | | | | | | | | |
| | | i/Samuels Te | | | | | | | | | | | | | | |
| Master Project Number | Government Contract Number | <u>Sponsor</u> <u>Name</u> | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | <u>Salaries</u> | | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6922188 | Asymmetric Multilevel Outphasing - Danie | 06/01/2010 | 06/17/2011 | 0 | 0 | 0 | 0 | 0 | 0 | 80,239 | 80,239 | 0 | 6922188 |
| 6926801 | 4101-51804 | Purdue University | 6927170 | Network For Computational Nanotechnology | 09/01/2012 | 08/31/2014 | 61,486 | 5,497 | 1,891 | 54,655 | 39,472 | 163,000 | 320,000 | 233,051 | 86,949 | 6927170 |
| | | | | Sup | ervisor Total: | | 61,486 | 5,497 | 1,891 | 54,655 | 39,472 | 163,000 | 400,239 | 313,290 | 86,949 | |

Supervisor: Dresselhaus /Mildred S P267300 Rle - Patterson/Foley Team

| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | <u>Salaries</u> | Employee Benefits | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | <u>Unexpend</u> <u>ed</u> Balance | Project Wbs Id |
|-----------------------------|----------------------------------|-------------------------------------------|---------------------|---------------------------------------------------|----------------------------|-----------------------------|------------------------------|-----------------|----------------------|-----------------------|--------------|------------------------------|------------|----------------------|------------------------------------------------|-------------------|
| 6928686 | W911NF-13 -2-0047 | Army Research Office | 6928710 | Dresselhaus - Child | 09/27/2013 | 09/26/2014 | 13,640 | 805 | 294 | 12,435 | 7,638 | 34,811 | 50,000 | 34,811 | 15,189 | 6928710 |
| | | | | Sup | ervisor Total: | | 13,640 | 805 | 294 | 12,435 | 7,638 | 34,811 | 50,000 | 34,811 | 15,189 | |
| • | - | rald /Eugene | | | | | | | | | | | | | | |
| P06600 | | Science An | d Engineerii | • | | | | | | | | | | | | |
| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | <u>Salaries</u> | Employee Benefits | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
| 6923266 | 00007444 | University of California - Berkeley | 6923304 | Research | 06/24/2010 | 02/28/2015 | 2,363 | 14,288 | 5,215 | 17,266 | 30,051 | 69,182 | 763,604 | 613,794 | 149,810 | 6923304 |
| | | | | Sup | ervisor Total: | | 2,363 | 14,288 | 5,215 | 17,266 | 30,051 | 69,182 | 763,604 | 613,794 | 149,810 | |
| - | | on /Karen K | | | | | | | | | | | | | | |
| | | I Engineerin | _ | D : | D : (14# | D : | 0 | . | | o .: | 50.4 | = | | o: | | 5 |
| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | Salaries | | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Amount | <u>Unexpend</u> <u>ed</u> <u>Balance</u> | Project Wbs Id |
| 6892728 | Z702367 | University of Arizona | 6892729 | Environmentally Benign Semiconductor Man | 04/01/2001 | 03/31/2009 | 0 | 0 | 0 | 0 | 0 | 0 | 894,256 | 894,256 | 0 | 6892729 |
| | | | | Sun | ervisor Total: | | 0 | 0 | 0 | 0 | 0 | 0 | 894,256 | 894,256 | 0 | |
| Supari | icar: Caab | wend /Philip | M | 24,6 | | | | | ŭ | | - | | | | | |
| • | | ninistration C | | | | | | | | | | | | | | |
| Master | Government | | Project | Proiect Wbs | Proiect Wbs | Project Wbs | Graduate | Salaries | Employee | Operating | F&A_ | Fytd | Auth Total | Cumulative | Unexpend | Project |
| Project Number | Contract Number | Name | Wbs Id_2 | Name_2 | Effective Date | Expiration Date | Student Staff | | Benefits | Expenses | Costs | Amount | | Amount | ed Balance | Wbs Id |
| 6892728 | Z702367 | University of Arizona | 6899831 | Environmentally Benign Semiconductor Man | 07/01/2006 | 03/31/2008 | 0 | | | 0 | 0 | 0 | 15,000 | 15,000 | 0 | 6899831 |
| _ | | | | Sup | ervisor Total: | | 0 | | | 0 | 0 | 0 | 15,000 | 15,000 | 0 | |

Supervisor: Guttag /John V P067952 Csail - Pi Research

| Master Project Number 6923888 | Government Contract Number AGMT. DTD. 4/25/11 PO# 4000 | Sponsor Name General Electric Company | Project Wbs Id 2 6926165 | Project Wbs Name_2 Advanced Computational Techniques - Gutt | Project Wbs Effective Date 04/01/2012 | Project Wbs Expiration Date 03/31/2015 | Graduate Student Staff | Salaries | Employee Benefits | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total 0 | Cumulative Amount 0 | <u>Unexpend</u> <u>ed</u> <u>Balance</u> 0 | Project Wbs Id 6926165 |
|-------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------|--------------------------------|--------------------------------------------------------------|---------------------------------------|----------------------------------------|------------------------------|-----------------|----------------------|-----------------------|--------------|------------------------------|--------------|---------------------------|--------------------------------------------|------------------------------|
| | | | | Sup | ervisor Total: | | | | | | | 0 | 0 | 0 | 0 | |
| - | isor: Heldt | | | | | | | | | | | | | | | |
| P26711 Master | | ui/Samuels Te t Sponsor | eam <u>Project</u> | Project Wbs | Project Wbs | Project Wbs | Graduate | Salarios | Employee | Operating | F&A | <u>Fytd</u> | Auth Total | Cumulative | Unexpend | Project |
| Project Number | Government Contract Number | Name | Wbs Id 2 | Name 2 | Effective Date | Expiration Date | Student Staff | Salaties | Benefits | Expenses | Costs | Amount | Autil Total | Amount | ed Balance | Wbs Id |
| 6925162 | RESEARCH AGREEME NT NO. 2011 | Maxim Integrated Products, Inc. | 6926164 | Medrc Maxim Heldt Child | 07/01/2012 | 08/31/2015 | | 60,130 | 21,623 | 454 | 43,221 | 125,427 | 294,000 | 162,167 | 131,833 | 6926164 |
| | | | | Sup | ervisor Total: | | | 60,130 | 21,623 | 454 | 43,221 | 125,427 | 294,000 | 162,167 | 131,833 | |
| Superv | isor: How / | Jonathan P | | | | | | | | | | | | | | |
| P06109 | 0 Hu-Aero | fo1 | | | | | | | | | | | | | | |
| <u>Master</u> <u>Project</u> Number | Government Contract Number | <u>Sponsor</u> Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | <u>Salaries</u> | Employee Benefits | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | <u>Unexpend</u> <u>ed</u> Balance | Project Wbs Id |
| 6929518 | AGREEME NT DATED 3/1/14 | Denso Corporation | 6930084 | Online Learning For Highway Driver Assis | 06/01/2014 | 05/31/2015 | | | | | | 0 | 150,000 | 0 | 150,000 | 6930084 |
| | | | | Sup | ervisor Total: | | | | | | | 0 | 150,000 | 0 | 150,000 | |
| Superv | isor: Kim / | Sang-Gook | | | | | | | | | | | | | | |
| - | | ical Engineer | ing (Ras) B | | | | | | | | | | | | | |
| Master Project Number | Government Contract Number | t Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | <u>Salaries</u> | Employee Benefits | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
| 6923889 | AGRMT DATED 5/3/11 | Analog Devices, Incorporated | 6929836 | Sang-Gook Kim Child Account | 05/06/2011 | 08/05/2014 | 5,435 | | | 2,462 | 3,044 | 10,941 | 25,000 | 10,941 | 14,059 | 6929836 |
| Superv | isor: Lang | /Jeffrey H | _ | Sup | ervisor Total: | | 5,435 | | | 2,462 | 3,044 | 10,941 | 25,000 | 10,941 | 14,059 | |

P267300 Rle - Patterson/Foley Team

| Master Project Number 6923266 | Government Contract Number 00007444 | Sponsor Name | Project Wbs Id 2 6923306 | Project Wbs Name 2 | Project Wbs Effective Date 06/24/2010 | Project Wbs Expiration Date 02/28/2015 | Graduate Student Staff 22,804 | Salaries 19,396 | Employee Benefits 7,080 | Operating Expenses 16,629 | F&A Costs 32,614 | Fytd Amount 98,523 | Auth Total 498,236 | Cumulative Amount 436,994 | Unexpend ed Balance 61,242 | Project Wbs Id |
|----------------------------------------|----------------------------------------------|---------------------------------------|--------------------------|---------------------------------------------------|---------------------------------------|----------------------------------------|-------------------------------|--------------------|-------------------------------|---------------------------|------------------------|------------------------------|-----------------------|---------------------------------|-------------------------------------|-------------------|
| | | California - Berkeley | | | | | | | | | | 00.500 | 498,236 | 436,994 | 61,242 | |
| - | isor: Lanza | | | Supe | ervisor Total: | | 22,804 | 19,396 | 7,080 | 16,629 | 32,614 | 98,523 | 498,236 | 436,994 | 01,242 | |
| Master Project Number | Government Contract | Science & En Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | <u>Salaries</u> | Employee Benefits | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
| 6925139 | Number SUBAWAR D #219877 | Massachuset ts General Hospital | 6925188 | Lanza Coded Source Imaging | 09/30/2011 | 09/30/2014 | <u>Otan</u> | 31,380 | 11,454 | 2,478 | 25,126 | 70,438 | 249,954 | 212,681 | 37,273 | 6925188 |
| | | | | Supe | ervisor Total: | | | 31,380 | 11,454 | 2,478 | 25,126 | 70,438 | 249,954 | 212,681 | 37,273 | |
| • | _ | tski /Alexand nformation 8 | | vstems | | | | | | | | | | | | |
| Master Project Number | Government Contract Number | _ | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | Salaries | Employee Benefits | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6922190 | Asymmetric Multilevel Outphasing - Megre | 06/01/2010 | 05/31/2013 | 0 | 0 | 0 | 0 | 0 | 0 | 95,425 | 95,425 | 0 | 6922190 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6925423 | Asymmetric Multilevel Outphasing - Megre | 06/01/2010 | 01/31/2013 | 0 | 0 | 0 | 0 | 0 | 0 | 32,271 | 32,271 | -0 | 6925423 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6926012 | Asymetrical Multilevel Outphasing Megr | 06/01/2012 | 08/31/2014 | 29,734 | 1,464 | 534 | 17,814 | 20,319 | 69,865 | 183,515 | 183,515 | -0 | 6926012 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6928886 | Megeretski - Child | 05/14/2012 | 08/31/2014 | 22,189 | 1,090 | 398 | 15,626 | 15,124 | 54,427 | 59,731 | 54,427 | 5,304 | 6928886 |
| | | | | Supe | ervisor Total: | | 51,923 | 2,554 | 932 | 33,440 | 35,443 | 124,292 | 370,942 | 365,638 | 5,304 | |

Supervisor: Sodini /Charles G

P069700 Lab For Manufacturing & Productivity

| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | Salaries | Employee Benefits | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
|-----------------------------|--------------------------------------|--------------------------------------------------------------------|---------------------|---------------------------------------------------|----------------------------|-----------------------------|------------------------------|-----------------|----------------------|-----------------------|--------------|------------------------------|------------|----------------------|---------------------------|-------------------|
| 6923888 | AGMT. DTD. 4/25/11 PO# 4000 | General Electric Corporate Research And Development | 6924437 | Smart Ultrasound - Sodini | 08/01/2011 | 07/31/2014 | 48,933 | 2,562 | 935 | 44,963 | 36,347 | 133,740 | 588,000 | 589,888 | -1,888 | 6924437 |
| | | | | Supe | ervisor Total: | | 48,933 | 2,562 | 935 | 44,963 | 36,347 | 133,740 | 588,000 | 589,888 | -1,888 | |
| Superv | isor: Stojar | novic /Vladim | ir Marko | | | | | | | | | | | | | |
| P26710 | | ker/Foley Te | | | | | | | | | | | | | | |
| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | <u>Salaries</u> | Employee Benefits | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6922189 | Asymmetric Multilevel Outphasing - Stoja | 06/01/2010 | 12/31/2012 | 0 | 0 | 0 | 0 | 0 | 0 | 244,614 | 244,614 | 0 | 6922189 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6925422 | Asymmetric Multilevel Outphasing - Stoja | 06/01/2010 | 12/31/2012 | 0 | 0 | 0 | 0 | 0 | 0 | 46,322 | 46,322 | 0 | 6925422 |
| 6922025 | W911NF-10 -1-0088 | Army Research Office | 6926013 | Asymetrical Multilevel Outphasing Stoj | 06/01/2012 | 09/30/2013 | 0 | 1,910 | 545 | 196 | 1,683 | 4,333 | 192,449 | 192,449 | 0 | 6926013 |
| | | | | Supe | ervisor Total: | | 0 | 1,910 | 545 | 196 | 1,683 | 4,333 | 483,386 | 483,386 | 0 | |
| Superv | isor: Stultz | /Collin M | | | | | | | | | | | | | | |
| P26760 | 0 Rle - She | ehan/Samue | ls Team | | | | | | | | | | | | | |
| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | <u>Salaries</u> | Employee Benefits | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
| 6923888 | AGMT. DTD. 4/25/11 PO# 4000 | General Electric Company | 6927104 | Advanced Computational Techniques - Gutt | 04/01/2012 | 03/31/2015 | 31,350 | 2,602 | 950 | 34,707 | 24,695 | 94,304 | 294,000 | 157,851 | 136,149 | 6927104 |
| 6923889 | AGRMT DATED 5/3/11 | Analog Devices, Incorporated | 6925817 | Medrc Adi Stultz | 05/06/2011 | 07/31/2013 | 0 | 0 | 0 | 0 | 0 | 0 | 25,017 | 25,017 | 0 | 6925817 |
| | | | | Supe | ervisor Total: | | 31,350 | 2,602 | 950 | 34,707 | 24,695 | 94,304 | 319,017 | 182,868 | 136,149 | |

Supervisor: Swager /Timothy M

P152000 Chemistry

| Master Project Number | Government Contract Number | Sponsor Name | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | <u>Salaries</u> | | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
|--------------------------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------|------------------------------------------------|-----------------------------------|--------------------------------|----------------------|-----------------------|-----------------------|------------------------------------------|-----------------------------------|---------------------------------|-----------------------------------------------|------------------------------------|------------------------------|
| 6923266 | 00007444 | University of California - Berkeley | 6925775 | Research - Swager | 06/24/2010 | 02/28/2015 | 18,382 | 4,131 | 1,157 | 33,509 | 32,799 | 89,977 | 265,368 | 189,973 | 75,395 | 6925775 |
| | | | | Suj | pervisor Total: | | 18,382 | 4,131 | 1,157 | 33,509 | 32,799 | 89,977 | 265,368 | 189,973 | 75,395 | |
| - | risor: Voldn | nan /Joel off/Foley Tea | m | | | | | | | | | | | | | |
| Master Project Number | Government Contract Number | | Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | Graduate Student Staff | <u>Salaries</u> | | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Project Wbs Id |
| 6923889 | · | Analog Devices, Incorporated | 6923899 | Wearable Vital Signs Monitor - Voldman | 05/06/2011 | 07/31/2012 | 0 | 0 | 0 | 0 | 0 | 0 | 45,776 | 45,776 | 0 | 6923899 |
| 6925162 | RESEARCH AGREEME NT NO. 2011 | Maxim Integrated Products, Inc. | 6926615 | Medrc Maxim - Voldman | 09/01/2012 | 08/31/2015 | 23,364 | 2,843 | 1,053 | 43,417 | 28,647 | 99,324 | 294,000 | 207,716 | 86,284 | 6926615 |
| | | | | | | | | | | | | | | | 00.004 | |
| | | | | Suj | pervisor Total: | | 23,364 | 2,843 | 1,053 | 43,417 | 28,647 | 99,324 | 339,776 | 253,493 | 86,284 | |
| • | risor: Young | • | a-Mites | Suj | pervisor Total: | | 23,364 | 2,843 | 1,053 | 43,417 | 28,647 | 99,324 | 339,776 | 253,493 | 86,284 | |
| • | Government Contract | of Engineerin | g-Mites Project Wbs Id_2 | Project Wbs Name_2 | Project Wbs Effective Date | Project Wbs Expiration Date | 23,364 Graduate Student Staff | | Employee | , | 28,647 <u>F&A</u> <u>Costs</u> | · | · | 253,493 <u>Cumulative</u> <u>Amount</u> | Unexpend ed Balance | Project Wbs Id |
| P06070 Master Project | O School C | Of Engineerin Sponsor | Project | Project Wbs | Project Wbs Effective | <u>Expiration</u> | Graduate Student | | Employee | Operating | <u>F&A</u> | <u>Fytd</u> | · | Cumulative | Unexpend ed | Project Wbs Id 6926945 |
| P06070 Master Project Number | Government Contract Number 00007444 | Sponsor Name University of California | Project Wbs Id_2 | Project Wbs Name 2 | Project Wbs Effective Date | Expiration Date | Graduate Student | Salaries | Employee Benefits | Operating | F&A Costs | <u>Fytd</u> <u>Amount</u> | Auth Total | Cumulative Amount | Unexpend ed Balance | Wbs Id |
| P06070 Master Project Number 6923266 | Government Contract Number 00007444 | Sponsor Name University of California - Berkeley University of California - | Project Wbs Id 2 6926945 | Project Wbs Name 2 Seed Mites | Project Wbs Effective Date 06/24/2010 | Expiration Date 02/28/2015 | Graduate Student | <u>Salaries</u> 0 | Employee Benefits | Operating Expenses | F&A Costs | <u>Fytd</u> <u>Amount</u> 0 | Auth Total 28,802 | Cumulative Amount 20,711 | Unexpend ed Balance 8,091 | Wbs Id 6926945 |
| P06070 Master Project Number 6923266 | Government Contract Number 00007444 | Sponsor Name University of California - Berkeley University of California - | Project Wbs Id 2 6926945 6926946 | Project Wbs Name 2 Seed Mites | Project Wbs Effective Date 06/24/2010 | Expiration Date 02/28/2015 | Graduate Student | Salaries 0 | Employee Benefits 0 0 | Operating Expenses 0 | F&A Costs 0 | Fytd Amount 0 0 | Auth Total 28,802 51,102 79,904 | <u>Cumulative</u> <u>Amount</u> 20,711 37,665 | Unexpend ed Balance 8,091 13,438 | Wbs Id 6926945 |