

Primary and Secondary Volume Report by Supervisor
Department: Mechanical Engineering
Fiscal Period 201412

Primary Volume

Supervisor: Akylas /Triantaphyllos R

P065007 Mechanical Engineering (Ras) D

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6924459	DMS-1107335	NSF	6924459	Dynamics Of Nonlinear Internal Wave Beam	09/01/2011	08/31/2015	8,099			1,779	5,976	15,854	107,000	76,391	30,609	6924459

Supervisor Total: 8,099 1,779 5,976 15,854 107,000 76,391 30,609

Supervisor: Anand /Lallit

P065000 Mechanical Engineering

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6890357	AGMT. EFF. 12/10/99	E.I. Du Pont De Nemours & Company	6891613	Child Account Of 6891363: Micormechanica	09/01/2000	04/30/2003	0			0	0	0	141,765	141,765	-0	6891613

P065002 Mech Engineering Research Admin Services

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918342	Clean Energy 2.2 - Anand	09/01/2008	07/31/2009	0	0	0	0	0	0	70,282	70,282	0	6918342

P065003 King Fahd Univ. Of Petroleum And Mineral

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6920060	R9-Ce-09: Gas Turbine Blade	09/01/2008	07/31/2014	8,011	28,289	7,921	38,070	33,832	116,123	1,049,718	945,466	104,252	6920060

P065005 Mechanical Engineering (Ras) B

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978565	MOU DATED 9/17/04	The University of Singapore	6898068	Sma2-Lallit Anand-Mst-Flagship	07/01/2005	10/31/2014	0	12,750	4,654	115	9,757	27,276	1,280,784	1,272,118	8,666	6898068
3978565	MOU DATED 9/17/04	The University of Singapore	6918174	Fabrication: Hot Polymer Processing Mach	07/01/2008	06/30/2011				0		0	10,000	10,000	0	6918174

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6923209	MASTER AGREEMENT	Multi-Sponsored Consortium	6923704	Modeling Of The Electrode/Separation or Asse	01/01/2011	12/31/2013		0	0	0	0	0	40,000	40,000	-0	6923704
6924075	CMMI-1063 626	NSF	6924075	A Chemo-Thermo-Mechanics Theory: Application	07/01/2011	06/30/2015	47,903	28,289	7,921	21,865	56,951	162,929	403,455	195,903	207,552	6924075
Supervisor Total:							55,913	69,328	20,496	60,051	100,540	306,327	2,996,004	2,675,533	320,471	

**Supervisor: Annaswamy /Anuradha M
P065007 Mechanical Engineering (Ras) D**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6896320	MIT-BA-GT A-1	Boeing	6896320	Verification And Validation Of Adaptive	02/01/2004	01/31/2014	51,610	30,911	11,282	56,548	60,142	210,493	2,162,335	2,162,335	0	6896320
6917065	FORD-MIT ALLIANCE AGREEMENT	Ford Motor Company	6917084	Real-Time Adaptive Shift Control Using S	04/01/2011	12/31/2013	5,328	7,358	2,686	4,321	11,028	30,720	296,438	296,438	0	6917084
6917065	FORD-MIT ALLIANCE AGREEMENT	Ford Motor Company	6928263	Adaptable Traffic Flow Control Using Dyn	09/01/2013	12/31/2014	21,915	7,013	2,560	21,605	17,633	70,727	150,000	70,727	79,273	6928263
6924558	3002085646	University of Michigan	6924558	Michigan/Afrl Collaborative Center In Co	09/01/2011	09/30/2015	11,988	42,731	15,597	11,940	43,230	125,486	305,000	316,757	-11,757	6924558
6924646	EECS-1135 815	NSF	6924646	Cps: Medium: Collaborative Research: Co	10/01/2011	09/30/2015	23,976	57,486	20,982	48,869	75,439	226,752	753,000	575,494	177,506	6924646
6928274	MIT-BA-GT A-1	Boeing	6928274	Verification And Validation Of Adaptive	01/01/2014	01/31/2017	24,314	10,415	3,801	21,984	21,647	82,161	915,481	82,161	833,320	6928274
Supervisor Total:							139,131	155,914	56,909	165,267	229,119	746,339	4,582,255	3,503,912	1,078,342	

**Supervisor: Asada /Haruhiko
P065002 Mech Engineering Research Admin Services**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6896321	MIT-BA-GT A-1	Boeing	6899884	Robot Arm	05/18/2006	12/31/2006				0		0	66,900	66,900	0	6899884

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6896321	MIT-BA-GT A-1	Boeing	6917949	Fabrication: Multi-Legged Heavy Duty Mo	06/30/2008	03/31/2009				0		0	5,338	5,338	0	6917949
6896321	MIT-BA-GT A-1	Boeing	6919975	Fabricated Equipment -Freedom Friction L	06/01/2009	03/31/2010				0		0	13,679	13,679	0	6919975
6896321	MIT-BA-GT A-1	Boeing	6923390	Fabricated Equipment - Robotics Systems	01/07/2011	04/15/2011				0		0	5,187	5,187	0	6923390

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6896321	MIT-BA-GT A-1	Boeing	6896321	Advanced Actuators And Mechanism Design	04/01/2004	03/31/2017	65,305	22,498	6,959	84,142	64,030	242,933	2,570,678	1,741,264	829,414	6896321
6896321	MIT-BA-GT A-1	Boeing	6925430	Fab Eq - Wearable Robot	01/04/2012	01/08/2013				0		0	19,558	19,558	0	6925430
6896321	MIT-BA-GT A-1	Boeing	6926872	Fabricated Equipment: Robotic Arm	10/29/2012	03/31/2015				13,466		13,466	40,000	40,476	-476	6926872
6896321	MIT-BA-GT A-1	Boeing	6929297	Fab Eq: Dual Mode Linear Actuator	02/27/2014	03/31/2015				7,080		7,080	9,440	7,080	2,360	6929297
6896321	MIT-BA-GT A-1	Boeing	6929655	Fab Eq: Aircraft Fuselage Test Rig	03/31/2014	03/31/2015				4,796		4,796	4,220	4,796	-576	6929655
6916013	AGREEMENT DATED 9/18/07	National Research Foundation	6916047	Biosym: Asada	10/01/2008	12/31/2013	26,732	1,741	487	16,910	17,225	63,094	0	869,894	-869,894	6916047
6916013	AGREEMENT DATED 9/18/07	National Research Foundation	6916152	Biosym Phase II Asada	01/01/2014	12/31/2018	17,309	11,139	3,119	27,069	22,531	81,165	0	81,165	-81,165	6916152
6921634	RES. AGMT DTD 4/1/10	Sumitomo Heavy Industries Limited	6921634	Energy Efficient Pzt Poly-Actuators	04/01/2010	03/31/2015	58,860	19,123	6,980	115,173	58,714	258,850	913,291	901,830	11,461	6921634
6921634	RES. AGMT DTD 4/1/10	Sumitomo Heavy Industries Limited	6925425	Fabeq: Pzt Motor	02/23/2012	12/31/2012				0		0	33,502	33,502	0	6925425

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6921634	RES. AGMT DTD 4/1/10	Sumitomo Heavy Industries Limited	6926073	Fabeq: Cellular Displacement Amplificati	06/01/2012	11/01/2012				0		0	15,971	15,971	0	6926073
6921634	RES. AGMT DTD 4/1/10	Sumitomo Heavy Industries Limited	6926989	Fabeq: Pzt Linear Motor	12/03/2012	09/30/2013				0		0	36,729	36,729	0	6926989
6921634	RES. AGMT DTD 4/1/10	Sumitomo Heavy Industries Limited	6929287	Fab Eq: Pzt Gear Switching Mechanism	01/27/2014	08/01/2014				6,325		6,325	6,500	6,325	175	6929287
6922553	CMMI-1000 727	NSF	6922553	A Multi-Cellular Pzt Actuator/Generator	09/15/2010	08/31/2013	6,088	-0	0	-147	4,109	10,050	313,500	313,500	-0	6922553
6924986	EP-P41896/C18362	Electric Power Research Institute	6924986	Wireless Micro Underwater Robots For Dir	10/24/2011	10/24/2013	21,680	13,898	4,536	14,917	26,048	81,077	499,280	499,280	0	6924986
6927542	AGRMT. DTD. 3/7/13	East Japan Railway Company	6927542	Jr East Mitjoint Project On Cloud Statio	04/01/2013	03/31/2015	41,730	11,139	3,119	62,079	38,685	156,752	263,380	162,006	101,374	6927542
6927542	AGRMT. DTD. 3/7/13	East Japan Railway Company	6928781	Fab Eq: Telescopic Arms	10/09/2013	07/31/2014				1,798		1,798	6,620	1,798	4,822	6928781
6927577	AGMT. DTD. 4/1/13	Sumitomo Heavy Industries Limited	6927577	A Robot-On-The-Hu man:Wearable Robotics F	04/01/2013	03/31/2016	40,325	11,946	3,345	44,202	35,342	135,159	285,000	140,806	144,194	6927577
6927577	AGMT. DTD. 4/1/13	Sumitomo Heavy Industries Limited	6928687	Fabeq: Wrist-Mounted Robotic Finger Appa	09/17/2013	10/01/2014				14,205		14,205	15,000	14,205	795	6928687
6929864	CMMI-1363 391	NSF	6929864	Control-Configured Underwater Robots For	06/01/2014	06/30/2017	2,771				1,552	4,323	375,000	4,323	370,677	6929864

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6921634	RES. AGMT DTD 4/1/10	Sumitomo Heavy Industries Limited	6923145	Fabricated Equipment: Piezoelectric Stac	12/02/2010	06/30/2011				0		0	7,476	7,476	0	6923145
6921634	RES. AGMT DTD 4/1/10	Sumitomo Heavy Industries Limited	6925450	: Fab Eq: Cellular Displacement Ampl Uni	03/01/2012	05/01/2012				0		0	5,626	5,626	0	6925450
Supervisor Total:							280,798	91,482	28,544	412,014	268,235	1,081,070	5,511,875	4,998,715	513,160	

**Supervisor: Baggeroer /Arthur B
P065005 Mechanical Engineering (Ras) B**

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6914892	N00014-07-1-0326	Navy - ONR	6914892	Oceanographic Variability And The Perfor	09/28/2006	06/30/2013	0	0	0	-10	0	-10	1,110,162	1,110,162	-0	6914892
6914892	N00014-07-1-0326	Navy - ONR	6923960	Fy11 Uncapped Allocation: Oceanographic	09/28/2006	06/30/2013		40	3	155	29	228	568,829	568,829	-0	6923960
6925219	N00014-12-1-0050	Navy - ONR	6925219	Vector Sensor Array Signal Processing	01/01/2012	12/31/2014		62,989	6,850	15,440	51,594	136,873	375,000	295,290	79,710	6925219
6927552	N00014-13-1-0487	Navy - ONR	6927552	Continuation Of Oceanographic Variabilit	02/01/2013	03/31/2016		53,393	4,538	14,647	40,644	113,221	190,000	144,964	45,036	6927552
Supervisor Total:							0	116,422	11,392	30,232	92,267	250,312	2,243,991	2,119,245	124,746	

**Supervisor: Barbastathis /George
P065002 Mech Engineering Research Admin Services**

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2740621	CHEVRON-MIT UPP AGR. FOR PD	Chevron Energy Technology Company	6917478	E5 (Upp Pdcd) Three Dimensional (3D) Dig	01/16/2008	06/30/2009	0			0	0	0	22,800	22,800	-0	6917478
6890357	AGMT EFF. 12/10/99	E.I. Du Pont De Nemours & Company	6898257	Barbastathis Child Account	07/01/2005	05/31/2008	0	0	0	0	0	0	208,668	208,668	0	6898257

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2740621	CHEVRON-MIT UPP AGR. FOR PD	Chevron Energy Technology Company	6928120	E15: Underwater Inspection And Crack Det	01/01/2013	12/31/2014	18,648			22,189	13,413	54,250	140,000	54,250	85,750	6928120
6916013	AGREEMENT DATED 9/18/07	National Research Foundation	6916042	Censam Mit - Waves	10/01/2008	12/31/2012	0	0	0	0	0	0	441,125	441,125	0	6916042
6916013	AGREEMENT DATED 9/18/07	National Research Foundation	6916043	Censam Mit - Barbastathis	10/01/2008	12/31/2012	0	0	0	0	0	0	997,697	997,697	0	6916043
6916013	AGREEMENT DATED 9/18/07	National Research Foundation	6916048	Biosym: Barbastathis	10/01/2008	12/31/2013	17,036	1,592	581	17,493	13,299	50,002	950	524,999	-524,048	6916048
6916013	AGREEMENT DATED 9/18/07	National Research Foundation	6916115	Censam Phase II - Barbastathis	01/01/2013	12/31/2014	12,008	2,678	837	16,856	16,550	48,930	0	82,204	-82,204	6916115
6916013	AGREEMENT DATED 9/18/07	National Research Foundation	6916153	Biosym Phase II Barbastathis	01/01/2014	12/31/2018	446	1,511	552	10,845	7,220	20,574	0	20,574	-20,574	6916153
6916013	AGREEMENT DATED 9/18/07	National Research Foundation	6919394	Fabricated Equipment - Spatial Spectral	04/01/2009	03/31/2012				0		0	15,931	15,931	0	6919394
6917480	CHEVRON MITEI SUSTAINING ME	Chevron Energy Technology Company	6924088	Mitei: R11 3-D Measurement Of Multi-Phas	01/01/2008	06/30/2014	34,632	11,923	3,427	47,789	42,369	140,139	368,558	368,563	-5	6924088
6924630	AWARD EFFECTIVE JULY 1, 201	Hon Hai Precision Industry Co., Ltd.	6924727	Computational Photography - Barbastathis	07/01/2011	06/30/2015		0	0	0	0	0	150,000	83,746	66,254	6924727
6924804	12-DHS-1036	Duke University	6924804	X-Ray Scatter And Phase Imaging For Expl	09/23/2011	09/22/2014	57,372	75,934	24,671	73,073	107,786	338,835	1,464,090	958,933	505,157	6924804
6925129	PO 7000179605	Lincoln Laboratory	6925129	Volume Hologram Filter Development For M	10/11/2011	09/30/2013	2,517	0	0	0	1,523	4,041	90,766	90,766	-0	6925129
6925139	SUBAWARD #219877	Massachusetts 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
6925649	OPP1061417	Bill & Melinda Gates Foundation	6925649	On-Demand Vaccine Delivery Via Low-Cost	05/01/2012	10/31/2014	8,046			21,413	0	29,459	100,000	75,085	24,915	6925649

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6928922	C14-13	Radiation Monitoring Devices	6928922	Photonic Crystal Structures For Transfor	09/30/2013	06/29/2014	22,699			18,960	13,226	54,885	75,000	54,885	20,115	6928922

Supervisor Total: 188,726 93,638 30,068 238,014 224,954 775,399 4,175,585 4,100,095 75,490

Supervisor: Boyce /Mary Cunningham

P065002 Mech Engineering Research Admin Services

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6890357	AGMT EFF. 12/10/99	E.I. Du Pont De Nemours & Company	6898238	High Rate Behavior Of Polymeric Nanocomp	07/01/2005	12/31/2008	0	0	0	0	0	0	809,034	809,034	0	6898238

P065003 King Fahd Univ. Of Petroleum And Mineral

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918320	R5-Cw-08: Development Of New Generation	09/01/2008	07/31/2014	25,623	0	0	16,929	14,708	57,260	701,217	595,489	105,728	6918320

P065006 Mechanical Engineering (Ras) C

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6919332	N00014-09-1-0591	Navy - ONR	6924975	Uncapped: Rate And Constraint Dependence	03/01/2009	01/31/2014	17,316	0	0	33,503	27,211	78,030	179,914	179,914	-0	6924975
6927039	AGMT DATED 12/1/12	BASF SE	6927039	Acoustic Composite Metamaterials	12/01/2012	12/01/2014		57,129	20,365	15,015	51,805	144,313	300,000	144,352	155,648	6927039

Supervisor Total: 42,939 57,129 20,365 65,446 93,724 279,603 1,990,165 1,728,788 261,377

Supervisor: Brisson /John G

P065007 Mechanical Engineering (Ras) D

**Primary and Secondary Volume Report by Supervisor
Department: Mechanical Engineering
Fiscal Period 201412**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6928241	PO 7000238989	Lincoln Laboratory	6928241	Concentrated Solar Thermoacoustic Engine	03/01/2013	09/30/2014	18,968			37,897	22,771	79,636	115,000	79,636	35,364	6928241

Supervisor Total: 18,968 37,897 22,771 79,636 115,000 79,636 35,364

**Supervisor: Brizzolara /Stefano
P065007 Mechanical Engineering (Ras) D**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6927181	N00014-13-1-0332	Navy - ONR	6927181	Hybrid Planing Hulls For Reduced Powerin	12/01/2012	02/29/2016		54,461	11,478	30,978	54,274	151,191	311,000	159,910	151,090	6927181
6927535	SUBCONT RACT NO. SCN08096	Navatek. Ltd.	6927535	Hydrodynamic Design And Optimization Of	02/15/2013	02/15/2014		21,330	7,786	4,390	16,372	49,879	51,303	51,303	0	6927535
6928591	N00014-13-1-0834	Navy - ONR	6928591	Adjoint Equations Methods For Full Param	07/02/2013	12/31/2014	2,532	0	-0	9,966	6,999	19,497	285,000	19,497	265,503	6928591

Supervisor Total: 2,532 75,792 19,264 45,334 77,645 220,566 647,303 230,710 416,593

**Supervisor: Buie /Cullen
P065000 Mechanical Engineering**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6919765	KK9151-35	University of California	6929266	Icb Task 35: Buie	12/01/2013	11/30/2014	14,707			11,985	8,236	34,928	100,000	34,928	65,072	6929266

P065006 Mechanical Engineering (Ras) C

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
2740621	CW819969 UPP-PDEP SO1504538	Chevron Energy Technology Company	6929724	E16 Electrophoretic Deposition Of Nanosc	01/01/2014	12/31/2014	11,988	3,056	1,115	13,059	10,312	39,530	75,000	39,530	35,470	6929724
6890357	AGMT EFF. 12/10/99	E.I. Du Pont De Nemours & Company	6925428	High Throughput Screening Of Yeast For O	01/01/2011	09/30/2014	14,759	26,151	8,729	47,107	47,927	144,672	275,000	294,543	-19,543	6925428
6919765	KK9151	University of California	6927066	Icb - Task 5 Buie	12/01/2010	06/30/2014	14,610	9,703	3,766	19,348	25,709	73,136	105,602	122,032	-16,430	6927066

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6921328	SUBK 229807, CLIN 5-1	Battelle Memorial Institute	6921328	Electrophoretic Deposition Of Nanoporous	01/15/2010	06/01/2013	0	-426	-151	-3,759	-392	-4,728	445,000	445,000	-0	6921328
6925387	CBET-1150 615	NSF	6925387	Career: Dielectric Phenotyping Of Bacter	06/01/2012	05/31/2017	32,075	344	96	25,835	22,231	80,582	233,295	154,604	78,691	6925387
6926855	AGMT DATED 11/24/2012	Cambrian Innovation	6926855	A Low-Cost Real-Time Bio-Electrochemical	08/15/2012	06/04/2013		0	0	-1,441	-807	-2,248	14,195	14,195	-0	6926855
6928282	D13AP0002 5	U.S. Department of Interior-Fort Huachuca	6928282	Enabling Novel Chassis For Synthetic Bio	08/01/2013	07/31/2015	23,976	84,781	29,552	56,073	96,208	290,590	250,000	290,590	-40,590	6928282
6929563	BUIE/BAZANT MASSCEC CATALYS	Massachusetts Technology Transfer Center	6929563	Hydrogen Bromine Laminar Flow Battery Fo	03/15/2014	03/14/2015				919	515	1,434	40,000	1,434	38,566	6929563
Supervisor Total:							112,115	123,608	43,107	169,127	209,938	657,895	1,538,092	1,396,856	141,236	

**Supervisor: Bulovic /Vladimir
P065003 King Fahd Univ. Of Petroleum And Mineral**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918336	R8-Ce-09	08/01/2009	09/30/2010	0	0	0	0	0	0	140,000	140,000	0	6918336
Supervisor Total:							0	0	0	0	0	0	140,000	140,000	0	

**Supervisor: Buonassisi /Anthony
P065003 King Fahd Univ. Of Petroleum And Mineral**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6920080	R1-Ce-08: Towards Higher Efficiency	09/01/2008	07/31/2014	5,328	91,638	33,448	29,838	89,741	249,992	1,247,838	1,242,324	5,514	6920080

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6923971	Fab Eq: Spectrally Selective Ir Detector	06/01/2011	07/31/2013				0		0	9,466	9,466	0	6923971

Supervisor Total: 5,328 91,638 33,448 29,838 89,741 249,992 1,257,305 1,251,790 5,514

Supervisor: Chen /Gang

P065002 Mech Engineering Research Admin Services

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918332	Clean Energy 1.2 - G. Chen	09/01/2008	07/31/2009	0			0	0	0	37,727	37,727	-0	6918332

P065003 King Fahd Univ. Of Petroleum And Mineral

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918350	R3-Ce-08: Nanotechnology For Efficient	09/01/2008	07/31/2013	0	2,885	1,053	969	4,448	9,355	941,267	941,267	0	6918350
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6920081	R1-Ce-08-2	09/01/2008	03/31/2011	0	0	0	0	0	0	200,770	200,770	0	6920081
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6924720	R3-Ce-08: Nanotechnology For Efficient	09/01/2008	07/31/2013				0		0	28,029	28,029	0	6924720

P065009 Mechanical Engineering (Ras) F

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6893309	DE-FG02-0 2ER45977	DOE - Chicago	6893309	Heat Conduction In Nanowire Structures	05/01/2002	06/30/2014	6,391	2,863	802	31,576	28,891	70,524	1,583,073	1,597,972	-14,899	6893309
6893309	DE-FG02-0 2ER45977	DOE - Chicago	6923927	Fabeq-Afm Cantilvrbasedinfrar edspectrsys	12/01/2010	12/31/2013				0		0	14,188	14,188	0	6923927

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Department: Mechanical Engineering
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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6893309	DE-FG02-02ER45977	DOE - Chicago	6923928	Fabeq-Afm Cantilever Derived Spectrsys	12/01/2010	06/30/2014				-2,313		-2,313	20,000	10,966	9,034	6923928
6918707	SUBAWAR D NO. 2008-02016-3,	University of Illinois-Urbana Champaign	6918707	Uiuc Muri: Passive And Active Control Of	05/03/2008	06/30/2013	7,736	10,513	3,732	5,594	14,772	42,347	816,590	816,590	0	6918707
6921230	00006934	University of California - Berkeley	6921230	Nsec: Center For Scalable & Integrated N	10/01/2009	09/30/2014	7,326	11,989	4,376	5,463	13,301	42,455	440,000	440,055	-55	6921230
6921435	HDTRA1-10-1-0001	Defense Threat Reduction Agency	6925121	Dod Uncap Funds Fy 11 Appropriation	10/01/2009	05/21/2013				107,646	17,000	124,646	256,355	256,355	0	6925121
6922491	RF01224242	Ohio State University	6922491	Cryogenic Peltier Cooling	09/15/2010	11/15/2014	32,846	23,700	8,407	30,042	48,908	143,904	585,938	521,182	64,756	6922491
6922520	DESHPAND E MOU	MIT - Internal	6924444	Development Of Directional Solven Extrac	10/01/2011	03/31/2013				0	0	0	67,741	67,741	-0	6924444
6924184	FA9550-11-1-0174	Air Force Office of Scientific Research - AFOSR	6924184	Thermal Regulation Of Heat Transfer Proc	08/01/2011	07/31/2014	55,703	43,111	15,341	70,915	89,892	274,962	612,369	604,196	8,173	6924184
6924527	DE-EE0005320	DOE-Golden Colorado	6924527	Scalable High-Efficiency Thin-Crystallin	09/01/2011	06/30/2014	44,850	22,073	7,799	75,830	76,185	226,737	699,907	700,702	-794	6924527
6924527	DE-EE0005320	DOE-Golden Colorado	6926097	Fab Eq: External Quantum Efficiency Syst	02/01/2012	11/30/2013				1,004		1,004	50,093	50,093	0	6926097
6925001	DE-AR0000181	DOE - Office of ARPA-E	6925001	Metallic Composites Phase-Change Materia	12/01/2011	11/30/2014	43,581	39,995	14,355	237,655	97,083	432,668	874,679	739,409	135,270	6925001
6925041	DE-AR0000185	DOE - Office of ARPA-E	6925160	Arpa-E Atb: Gang Chen Child	12/13/2011	12/12/2014	59,068	22,238	8,117	43,766	56,480	189,668	360,000	333,105	26,895	6925160
6926512	DE-EE0005806	DOE-Golden Colorado	6926512	Concentrated Solar Thermoelectric Power	09/01/2012	02/28/2015	61,692	40,454	11,999	367,796	85,225	567,165	989,996	671,306	318,690	6926512
6926514	DE-EE0005756	DOE-Golden Colorado	6926514	Continuous Processing Of High Thermal Co	08/12/2012	02/28/2015	68,427	44,616	15,400	59,441	78,538	266,421	625,743	497,341	128,402	6926514

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6926514	DE-EE0005756	DOE-Golden Colorado	6926706	Fab Eq: Polymer Processing System	09/01/2012	02/28/2015				30,940		30,940	34,753	52,935	-18,182	6926706

Supervisor Total: 387,621 264,436 91,381 1,066,32 610,723 2,420,48 9,239,217 8,581,929 657,288

Supervisor: Cheng /Wai K

P065002 Mech Engineering Research Admin Services

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6896556	PROJ. ACA 926-4101	BP America, Incorporated	6899044	Hcci Optimization - Gasoline	07/01/2005	06/30/2010	0	0	0	0	0	0	612,424	612,424	0	6899044
6917065	FORD-MIT ALLIANCE AGREEMENT NT	Ford Motor Company	6917071	Derived Cai Hcci Gasoline And Alcohol Fuels S	04/01/2008	08/31/2010	0	0	0	0	0	0	336,750	336,750	0	6917071

P065006 Mechanical Engineering (Ras) C

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6917065	FORD-MIT ALLIANCE AGREEMENT NT	Ford Motor Company	6917088	Translation Of Dilution Tolerance For Ga	01/02/2012	12/31/2013	31,103	11,830	3,616	21,725	27,198	95,471	293,997	293,997	-0	6917088
6917065	FORD-MIT ALLIANCE AGREEMENT NT	Ford Motor Company	6925255	Combustion, Emissions, Fuels, And Mixtur	01/01/2013	12/31/2013	10,656	4,283	326	0	8,548	23,813	140,890	140,890	-0	6925255
6921585	SUBCONT RACT NO. 3001396971	University of Michigan	6921585	A University Consortium On High Pressure	09/28/2009	06/30/2013	0	141	39	-396	-152	-368	539,328	539,328	0	6921585
6924731	DE-EE0005445	DOE-NETL	6924731	Lubricant Formulations To Enhance Engine	09/01/2011	01/15/2015	68,277	132,920	47,428	86,919	159,380	494,923	1,497,533	1,270,222	227,311	6924731
6924731	DE-EE0005445	DOE-NETL	6928525	Period 3 Funding: Restricted Until Appro	09/01/2011	01/15/2014						0	0	0	0	6928525
6924731	DE-EE0005445	MIT - Internal Cost Sharing	6924733	Lubricant Formulations To Enhance Engine	09/30/2011	01/15/2015		16,686	4,672	0	12,922	34,279	223,375	180,931	42,444	6924733
6928642	CBET-1258626	NSF	6928642	Collaborative Research: Nsf/Doe Partners	09/01/2013	08/31/2016	24,447	25,675	8,745	32,477	36,711	128,054	195,250	128,054	67,196	6928642

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9148600	MASTER AGREEMENT	Multi-Sponsored Consortium	9148600	Consortium For Engine Research.	09/01/1981	08/31/2015	61,333	28,230	7,225	199,073	66,113	361,974	14,049,497	13,755,946	293,551	9148600

Supervisor Total: 195,816 219,764 72,050 339,797 310,719 1,138,147 17,889,044 17,258,542 630,502

Supervisor: Consi /Thomas R
P065000 Mechanical Engineering

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6890357	AGMT EFF. 12/10/99	E.I. Du Pont De Nemours & Company	6791744	Child Account Of 6890450 - A Biologica	02/01/2001	02/01/2003		0	0	0	0	0	191,698	191,698	-0	6791744
6890357	AGMT EFF. 12/10/99	E.I. Du Pont De Nemours & Company	6891821	Fabricated Equipment Account - Child Of	02/01/2001	01/31/2003				0		0	98,789	98,789	0	6891821

Supervisor Total: 0 0 0 0 0 0 290,488 290,488 -0

Supervisor: Del Vecchio /Domitilla
P065004 Mechanical Engineering (Ras) A

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6921877	SUBCONT RACT # 3001478930	University of Michigan	6921877	Subaward Umich: Cps: Small: Control Of D	06/01/2010	08/31/2013	0	4,792	1,749	1,469	5,453	13,463	253,286	253,286	0	6921877
6922590	CCF-10581 27	NSF	6922590	Cif: Medium: Collaborative Research: Fro	10/01/2010	09/30/2015	13,622	21,500	4,574	29,406	37,755	106,855	442,500	313,780	128,720	6922590
6925599	FA9550-12-1-0129	Air Force Office of Scientific Research - AFOSR	6925599	Quantitative Analysis, Design, And Fabri	06/01/2012	05/31/2015	25,478	61,609	22,214	53,519	85,435	248,254	664,661	451,106	213,555	6925599
6926521	CMMI-1161 893	NSF	6926521	Goal:Hybrid Dynamic Feedback To Design	09/01/2012	08/31/2015	9,837	0	0	10,649	10,148	30,634	320,000	38,856	281,144	6926521
6926572	W911NF-12-1-0540	Defense Advanced Research Projects Agency	6926572	Competition For Shared Resources In The	06/12/2012	09/16/2013	5,328	14,206	4,893	63,437	15,408	103,272	306,618	306,618	0	6926572

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6926672	CNS-1239182	NSF	6926672	Cps: Synergy: Collaborative Research: For	11/01/2012	10/31/2015	17,064	18,859	6,692	7,985	26,203	76,803	375,000	79,275	295,725	6926672
6927195	N00014-13-1-0074	Navy - ONR	6927406	Next-Generation Genetic Devices: Domati	11/01/2012	10/31/2015	21,284	44,280	15,068	20,516	50,593	151,741	279,786	174,754	105,032	6927406
6927723	AGMT DTD 4/14/2014	DaimlerChrysler AG	6927723	Formal Verification Of Acc Plus And Fcw	03/01/2014	03/01/2015		1,506	422		1,079	3,006	143,120	3,006	140,114	6927723
6929377	FA9550-14-1-0060	Air Force Office of Scientific Research - AFOSR	6929377	(Bri Fy14) Theory-Based Engineering Of B	03/01/2014	02/28/2015		2,800	1,022	14,558	10,293	28,673	750,000	28,673	721,327	6929377
Supervisor Total:							92,612	169,552	56,632	201,538	242,367	762,701	3,534,971	1,649,355	1,885,616	

**Supervisor: Dewey /C Forbes
P065006 Mechanical Engineering (Ras) C**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978565	MOU DATED 9/17/04	The University of Singapore	6898058	Sma2-C. Forbes Dewey-Csb	07/01/2005	10/31/2014		0	0	0	0	0	75,033	75,033	-0	6898058
3978565	MOU DATED 9/17/04	The University of Singapore	6898104	Sma2-C. F. Dewey-Csb-lup	07/01/2005	10/31/2014	3,260	7,524	640	3,431	6,397	21,251	746,622	754,878	-8,256	6898104
Supervisor Total:							3,260	7,524	640	3,431	6,397	21,251	821,655	829,911	-8,256	

**Supervisor: Dubowsky /Steven
P065003 King Fahd Univ. Of Petroleum And Mineral**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918360	R6-Dmn-08: Design And Manufacturing	09/01/2008	07/31/2013	0	7,915	410	0	4,038	12,363	1,732,936	1,732,936	-0	6918360
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6919579	R6-Dmn-08-Fab	05/01/2009	07/31/2013				0		0	46,489	46,489	0	6919579

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978742	P3022694	W.K. Kellogg Foundation	6927215	Providing Clean Water Using Solar Energy	02/01/2013	01/31/2015		47,058	13,147	22,732	12,440	95,377	174,879	131,594	43,285	6927215
Supervisor Total:							0	54,973	13,557	22,732	16,478	107,740	1,954,304	1,911,019	43,285	

Supervisor: Fang /Xuanlai

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6924140	NO B596165	Lawrence Livermore National Security, LLC	6924140	Scalable High-Volume Micromanufacturing	07/14/2011	09/30/2013	5,994	0	0	1,835	4,379	12,208	294,259	294,259	0	6924140
6924214	CMMI-1120 724	NSF	6924214	Snm:: Digital Optofluidic Self Assembly	08/01/2011	08/31/2015	10,958	-700	-447	192,575	49,309	251,694	1,200,240	1,049,937	150,303	6924214
6925648	2010-04478 -01	University of Illinois-Urbana Champaign	6925648	Optimizing The Nonlinear Optical Respons	09/01/2011	08/31/2013	0	847	309	2,025	1,924	5,105	79,969	79,969	-0	6925648
6925786	HDTRA1-12 -1-0008	Defense Threat Reduction Agency	6925786	Blast Wave Manipulation Using Hierarchic	06/01/2012	05/31/2015	44,181	0	0	175,015	28,150	247,347	478,929	452,985	25,944	6925786
6926484	20120074	CFD Research Corporation	6926484	Design Of Acoustic Metamaterials For Pas	07/16/2012	09/24/2014	0	48,196	17,019	4,629	39,113	108,957	225,000	234,523	-9,523	6926484
6926513	B601821	Lawrence Livermore National Security, LLC	6926513	Structurally Robust Materials With Ultra	10/02/2012	09/30/2014	23,814	38,534	13,387	34,296	46,494	156,524	325,000	295,219	29,781	6926513
6926780	00000554	Brown University	6926780	Quantum Metaphotonics And Metamaterials:	09/30/2012	01/31/2015	13,854	35,100	12,812	36,329	49,084	147,178	325,000	232,131	92,869	6926780
6928294	13-ONR-11 09	Duke University	6928294	Expanding The Limits Of Acoustic Metamat	07/01/2013	09/30/2014	33,492	43,370	14,715	35,947	59,315	186,838	267,025	186,838	80,187	6928294
Supervisor Total:							132,292	165,347	57,795	482,652	277,767	1,115,851	3,195,422	2,825,861	369,561	

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Supervisor: Frey /Daniel

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3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918361	D&M 1.1 Frey	09/01/2008	07/31/2013	0	0	0	0	0	0	79,302	79,302	0	6918361
Supervisor Total:							0	0	0	0	0	0	79,302	79,302	0	

Supervisor: Ghoniem /Ahmed F

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918340	R2-Ce-08: Carbon Dioxide Capture	09/01/2008	07/31/2014	82,204	30,675	11,196	133,595	108,786	366,456	1,319,348	1,308,871	10,477	6918340
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6921902	Fabricated Equipment - Itm Reactor	05/12/2010	07/31/2014				0		0	34,350	30,407	3,943	6921902
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6922838	R12-Ce-Ghoniem	08/01/2010	07/31/2015	69,034	44,971	16,414	48,708	73,800	252,927	660,000	640,055	19,945	6922838

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978627	KUS-I1-010-01	KAUST Global Research Partnership	6917900	Advanced Energy Conversion System	06/01/2008	05/31/2015	163,699	161,664	53,566	532,075	314,273	1,225,277	8,164,408	6,951,686	1,212,722	6917900
3978627	KUS-I1-010-01	KAUST Global Research Partnership	6921719	Fabricated Equipment - Laser Table Proto	05/01/2010	08/31/2013				0		0	16,706	16,896	-190	6921719
Supervisor Total:							314,937	237,310	81,176	714,378	496,859	1,844,661	10,194,812	8,947,916	1,246,896	

Supervisor: Gleason /Karen K

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3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918323	R5-Cw-08-2	09/01/2008	07/31/2014	12,764	26,657	8,905	41,360	46,924	136,610	783,799	774,459	9,340	6918323
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6920052	R10-Cw-09-3	09/01/2008	10/31/2011	0	0	0	0	0	0	80,230	80,230	-0	6920052
Supervisor Total:							12,764	26,657	8,905	41,360	46,924	136,610	864,028	854,689	9,340	

Supervisor: Grossman /Jeffrey C.

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3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6922942	R1-Ce-09: Grossman	08/01/2010	07/31/2014	26,747	43,700	15,950	23,034	49,183	158,614	606,801	597,091	9,710	6922942
Supervisor Total:							26,747	43,700	15,950	23,034	49,183	158,614	606,801	597,091	9,710	

Supervisor: Hadjiconstantinou /Nicolas

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3978565	MOU DATED 9/17/04	The University of Singapore	6898046	Sma2-N. Hadjiconstantinou- Ce Flagship	07/01/2005	10/31/2014	5,328	7,539	2,111	-330	8,955	23,603	876,254	884,074	-7,820	6898046
6926482	ASC CONTRACT NO. 6500010258	ARAMCO Services Company	6926482	Molecular Dynamics Simulation Of Phase E	09/01/2012	08/31/2016	21,739	15,578	4,222	18,084	24,314	83,937	400,000	135,943	264,057	6926482
6926528	ASC CONTRACT NO. 6500010297	ARAMCO Services Company	6926528	Molecular Dynamics Simulation Of Flow Th	09/01/2012	08/31/2016	36,677	23,272	6,516	33,100	40,634	140,200	400,000	184,231	215,769	6926528
7277900	MASTER AGREEMENT	Multi-Sponsored Consortium	6929753	Lubrication Consortium Grad Ra	06/01/2014	08/31/2015						0	110,000	0	110,000	6929753
Supervisor Total:							63,745	46,389	12,849	50,853	73,904	247,740	1,786,254	1,204,249	582,006	

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Supervisor: Hammond /Paula T

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3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918324	R5-Cw-08-3	09/01/2008	07/31/2014	40,674	4,888	1,369	37,359	30,264	114,554	553,016	549,837	3,179	6918324
Supervisor Total:							40,674	4,888	1,369	37,359	30,264	114,554	553,016	549,837	3,179	

Supervisor: Hardt /David E

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3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6920083	R1-Ce-08-3	08/01/2009	12/31/2011	0			0	0	0	169,715	169,715	0	6920083
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6921882	Fabricated Equipment - Micro Contact Pri	03/01/2010	07/31/2011				0		0	10,264	10,264	0	6921882
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6925720	R14-Dmn-11Large Area High Rate Micro C	01/01/2012	07/31/2015	108,153	1,333	486	132,693	75,209	317,875	998,750	656,916	341,834	6925720
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6927728	Fabricated Equipment-Uflex Machine	01/01/2013	07/30/2015				5,888		5,888	40,000	20,074	19,926	6927728
Supervisor Total:							108,153	1,333	486	138,581	75,209	323,763	1,218,729	856,969	361,761	

Supervisor: Hart /Anastasios John

P065006 Mechanical Engineering (Ras) C

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6926026	G4P-45021 44588	Procter & Gamble Company	6926026	Injection Molded Plastic Razor Engineeri	06/01/2012	05/31/2014	0			0	0	0	32,541	32,541	0	6926026
Supervisor Total:							0			0	0	0	32,541	32,541	0	

**Primary and Secondary Volume Report by Supervisor
Department: Mechanical Engineering
Fiscal Period 201412**

Supervisor: Hart /Douglas

P065005 Mechanical Engineering (Ras) B

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6917480	CHEVRON MITEI SUSTAINING ME	Chevron Energy Technology Company	6927257	Hart Child Account Of 6924088	01/01/2008	06/30/2014	18,263	0	0	10,803	10,227	39,292	73,721	68,476	5,245	6927257
6924753	PO 7000167206	Lincoln Laboratory	6924753	Auv System Modification For Long Enduran	09/01/2011	08/31/2013	0	0	0	-7,741	-4,698	-12,439	165,112	165,112	0	6924753
6924753	PO 7000167206	Lincoln Laboratory	6925300	Fabeq: Unmanned Underwater Vehicle (Uuv)	02/06/2012	08/31/2013				0		0	33,648	33,648	0	6925300
6926977	7000214572	Lincoln Laboratory	6926977	Investigation And Development Of An Alum	09/01/2012	12/31/2013	10,490	14,901	4,257	48,633	38,894	117,175	197,413	197,413	0	6926977
6929057	7000259332	Lincoln Laboratory	6929057	Design, Fabrication, & Testing Of An Alu	09/04/2013	12/31/2014	14,464	5,661	1,237	54,295	36,990	112,646	200,000	112,646	87,354	6929057
Supervisor Total:							43,216	20,562	5,493	105,989	81,413	256,674	669,895	577,296	92,599	

Supervisor: Heywood /John B

P065002 Mech Engineering Research Admin Services

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6917065	FORD-MIT ALLIANCE AGREEMENT	Ford Motor Company	6917070	Future Vehicles And Fuels: Nearer And Lo	04/01/2008	03/31/2010	0	0	0	0	0	0	422,877	422,877	0	6917070

P065006 Mechanical Engineering (Ras) C

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6899856	LFEE06-024	Concawe	6899856	Before A Transition To Hydrogen Transpor	04/01/2006	03/31/2014	0	34,187	6,869	6,922	26,868	74,845	650,000	643,226	6,774	6899856
6924730	DE-EE0005 444	DOE-NETL	6924730	High Compression Ratio Turbo Gasoline En	09/01/2011	01/15/2015	15,822	77,184	17,953	26,787	80,395	218,141	962,497	754,647	207,850	6924730

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6924730	DE-EE000544	DOE-NETL	6928351	Period 3 Funding: Restricted Until Appro	09/01/2011	01/15/2014						0	0	0	0	6928351
6925205	3002219006	University of Michigan	6925205	Cerc-Cv: U.S. -China Clean Energy Resear	10/01/2010	03/31/2014						0	0	0	0	6925205
6925205	3002219006	University of Michigan	6925547	Cerc-Cvc: Period 1 & 2	10/01/2010	03/31/2014		-17,137	-6,255	0	-14,152	-37,543	0	388	-388	6925547
6925205	3002219006	University of Michigan	6925645	Cerc-Cvc: Heywood Yr 1-2	10/01/2010	03/31/2014	5,783	5,474	465	6,031	7,294	25,048	190,923	190,896	27	6925645
6925205	3002219006	University of Michigan	6929521	Cerc-Cvc: Year 3 Partial	04/01/2013	03/31/2014						0	0	0	0	6929521
6925205	3002219006	University of Michigan	6929522	Cerc-Cvc, Heywood, Year 3	04/01/2013	03/31/2014	11,262	15,021	1,277	12,887	17,777	58,223	59,099	58,223	876	6929522
6925205	3002219006	University of Michigan	6929601	Cerc-Cvc: Year 4	04/01/2014	09/30/2015						0	0	0	0	6929601
6925205	3002219006	University of Michigan	6929602	Cerc-Cvc, Heywood, Year 4	04/01/2014	09/30/2015	4,870	6,957	1,137	4,845	7,844	25,653	64,286	25,653	38,632	6929602

Supervisor Total: 37,737 121,686 21,446 57,473 126,026 364,367 2,349,681 2,095,909 253,772

Supervisor: Hogan /Neville

P065006 Mechanical Engineering (Ras) C

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6925814	PO#1240287 UNDER 611557	Sandia National Laboratories	6925814	Effects Of Load, Fatigue And Support On	05/09/2012	06/30/2013	-5,148	-6,625	-2,319	-4,878	-8,313	-27,283	253,934	253,934	-0	6925814

Supervisor Total: -5,148 -6,625 -2,319 -4,878 -8,313 -27,283 253,934 253,934 -0

Supervisor: Hosoi /Anette E

P065002 Mech Engineering Research Admin Services

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
2740621	CHEVRON-MIT UPP AGR. FOR PD	Chevron Energy Technology Company	6917476	E3 (Upp Pd) Biologically Inspired Mech	01/01/2008	06/30/2009	0			0	0	0	23,000	23,000	-0	6917476

P065006 Mechanical Engineering (Ras) C

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Department: Mechanical Engineering
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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6922167	CMMI-0970 017	NSF	6922167	Collaborative Research: Optimal Gaits An	06/01/2010	08/31/2013	3,299	27,056	7,815	1,507	27,013	66,690	298,563	298,563	0	6922167
6923206	SUBCONT RACT NUMBER 242122	Battelle Memorial Institute	6923206	Mit/Battelle Postdoctoral Associate Prog	07/01/2011	06/30/2015						0	30,315	0	30,315	6923206
6923206	SUBCONT RACT NUMBER 242122	Battelle Memorial Institute	6924082	Mit/Battelle Postdoc Child A	07/01/2011	08/10/2013		5,029	1,836	149	3,928	10,941	187,316	187,316	0	6924082
6923206	SUBCONT RACT NUMBER 242122	Battelle Memorial Institute	6924083	Mit/Battelle Postdoc Child B	07/01/2011	06/30/2013		0	0	904	506	1,411	188,976	188,976	-0	6924083
6923206	SUBCONT RACT NUMBER 242122	Battelle Memorial Institute	6925182	Mit/Battelle Postdoc Child C	04/01/2012	06/30/2014		16,745	6,112	0	12,800	35,656	208,094	172,665	35,429	6925182
6923206	SUBCONT RACT NUMBER 242122	Battelle Memorial Institute	6925183	Mit/Battelle Postdoc Child D	04/01/2012	06/30/2014		45,467	16,595	569	35,073	97,704	208,094	180,682	27,412	6925183
6923206	SUBCONT RACT NUMBER 242122	Battelle Memorial Institute	6927455	Mit/Battelle Postdoc Child E	04/01/2013	06/30/2015		34,815	12,707		26,613	74,135	202,073	96,203	105,869	6927455
6923206	SUBCONT RACT NUMBER 242122	Battelle Memorial Institute	6927456	Mit/Battelle Postdoc Child F	04/01/2013	06/30/2015		33,211	12,122	2,199	26,618	74,151	202,073	74,151	127,922	6927456
6923206	SUBCONT RACT NUMBER 242122	Battelle Memorial Institute	6929693	Mit/Battelle Postdoc Child G	06/01/2014	06/30/2015						0	98,394	0	98,394	6929693
6923206	SUBCONT RACT NUMBER 242122	Battelle Memorial Institute	6929694	Mit/Battelle Postdoc Child H	06/01/2014	06/30/2015						0	98,394	0	98,394	6929694
6924070	W911NF-11 -C-0201	Army Research Office	6924070	Enabling Novel Minimally-Actuated Roboti	03/02/2011	06/14/2013	0	-2,817	-1,000	-594	-2,577	-6,988	885,164	885,164	-0	6924070

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6926124	W911NF-12-1-0290	Army Research Office	6926124	Developing Novel Frameworks For Many-Bod	07/16/2012	12/15/2014	34,846	-4,284	-1,236	23,987	17,756	71,069	240,000	159,429	80,571	6926124
6927536	W31P4Q-13-1-0013	Army Contracting Command - Redstone	6927536	Hydraulic Actuation For Micro-Scale Robo	03/15/2013	03/15/2015	0	0	0	45,433	14,000	59,433	265,482	59,433	206,049	6927536
6927536	W31P4Q-13-1-0013	Army Contracting Command - Redstone	6927666	Hamr: Hosoi Child	03/15/2013	03/15/2015	24,447	20,990	7,573	32,603	35,844	121,457	428,190	122,630	305,560	6927666

Supervisor Total: 62,592 176,211 62,524 106,757 197,574 605,658 3,564,128 2,448,211 1,115,917

**Supervisor: Hover /Franz S
P065005 Mechanical Engineering (Ras) B**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
2740621	CHEVRON-MIT UPP AGR. FOR PD	Chevron Energy Technology Company	6924512	Chevron Upp: E1 Sub-Project: Developm	09/01/2007	12/31/2014	11,988	5,869		32,899	22,374	73,130	139,600	96,772	42,828	6924512
2740621	CHEVRON-MIT UPP AGR. FOR PD	Chevron Energy Technology Company	6924736	Fab Eq: Ocean Glider	01/01/2011	06/30/2013				162		162	49,800	49,800	0	6924736
2740621	CHEVRON-MIT UPP AGR. FOR PD	Chevron Energy Technology Company	6925830	E12 Upp Pdep: Robotic And Autonomous Dec	01/01/2012	12/31/2014	20,238	0	0	27,731	17,788	65,756	99,714	94,989	4,725	6925830
2740621	CHEVRON-MIT UPP AGR. FOR PD	Chevron Energy Technology Company	6926727	Fab-Eq: Underwater Manipulator System	10/01/2012	12/31/2014				76		76	40,286	35,587	4,699	6926727
2740621	CHEVRON-MIT UPP AGR. FOR PD	Chevron Energy Technology Company	6929599	Fab Eq: Nitinol Underwater Glider	04/01/2014	12/31/2014				0		0	10,600	0	10,600	6929599
6920416	10025393	University of Southern California	6920416	Intelligent Coordination And Adaptive CI	08/01/2009	07/31/2014	31,968	0	0	37,443	32,508	101,919	496,481	492,484	3,997	6920416

**Primary and Secondary Volume Report by Supervisor
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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6920416	137760	University of Southern California	6926002	Fab Eq: Autonomous Boat Testing System	06/01/2012	07/31/2012				0		0	14,105	14,105	0	6926002
6924993	N00014-12-1-0093	Navy - ONR	6924993	Extended Capabilities For The Hauv Ship-	10/01/2011	09/30/2015	29,586	20,888	6,063	96,262	76,792	229,591	540,754	425,981	114,773	6924993
6926398	CNS-12125 97	NSF	6926398	Nets: Large: Collaborative Research: Exp	08/01/2012	07/30/2015	35,026			72,274	46,704	154,005	237,229	256,444	-19,215	6926398
6926398	CNS-12125 97	NSF	6927124	Fab Eq: Nsf Robotic Kayak System	01/01/2013	03/31/2013				0	0	0	5,067	5,067	0	6927124

P065007 Mechanical Engineering (Ras) D

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6916013	AGREEMENT DATED 9/18/07	National Research Foundation	6916149	Censam Phase II - Hover	01/01/2013	12/31/2014	15,425			23,278	15,305	54,009	0	54,009	-54,009	6916149

Supervisor Total: 144,232 26,757 6,063 290,125 211,472 678,648 1,633,637 1,525,239 108,398

Supervisor: Hunter /Ian

P065007 Mechanical Engineering (Ras) D

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6923220	ATTN: MARK NELLIGAN - AGMT	Sanofi US Service Inc	6923220	A Linear Lorentz-Force Actuated Needle-F	12/09/2010	04/30/2014	61,751	56,407	19,081	109,318	105,727	352,285	1,630,000	1,630,892	-892	6923220
6923220	ATTN: MARK NELLIGAN - AGMT	Sanofi US Service Inc	6927860	Anticipated Further Jet Injection Studie	03/09/2013	04/30/2014						0	0	0	0	6927860
6928133	AGMT. DTD. 7/1/13	Minnesota Mining & Manufacturing Company (3M)	6928133	Debridement Using Linear Lorentz-Force A	04/09/2013	03/31/2014	24,507	29,561	10,790	60,235	59,909	185,000	185,000	185,000	0	6928133

Supervisor Total: 86,257 85,968 29,870 169,553 165,636 537,285 1,815,000 1,815,892 -892

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Department: Mechanical Engineering
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Supervisor: Jones /Lynette A

P065007 Mechanical Engineering (Ras) D

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6922315	IIS-1016998	NSF	6922315	Hcc-Small: Tactile Communication In Huma	08/15/2010	07/31/2013	0	2,417	882	-45	2,227	5,480	500,000	500,000	0	6922315
6923220	ATTN: MARK NELLIGAN - AGMT	Sanofi US Service Inc	6927859	Human Ji Studies	03/01/2013	04/30/2014	43,664	60,675	19,648	75,099	78,496	277,581	400,000	403,384	-3,384	6927859
6928503	IIS-1318215	NSF	6928503	Hcc:Small:Therma I Displays In Human Comp	08/15/2013	07/31/2016		24,711	9,020	2,026	20,024	55,781	491,915	55,781	436,134	6928503

Supervisor Total: 43,664 87,803 29,549 77,079 100,746 338,843 1,391,915 959,165 432,750

Supervisor: Kamm /Roger Dale

P065000 Mechanical Engineering

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6890357	AGMT EFF. 12/10/99	E.I. Du Pont De Nemours & Company	6891363	Child Account Of 6890450: Micormechanica	09/01/2000	12/31/2002		0	0	0	0	0	142,065	142,065	-0	6891363

P065006 Mechanical Engineering (Ras) C

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6916013	AGREEMENT DATED 9/18/07	National Research Foundation	6916051	Biosym: Kamm	10/01/2008	12/31/2013	7,992	6,231	2,274	21,663	20,348	58,509	11,042	927,401	-916,359	6916051
6916013	AGREEMENT DATED 9/18/07	National Research Foundation	6916097	Biosym A Subcontrac To Harvard: Single-M	07/01/2009	09/30/2013				782	0	782	127,110	127,892	-782	6916097
6916013	AGREEMENT DATED 9/18/07	National Research Foundation	6916156	Biosym Phase Ii Kamm	01/01/2014	12/31/2018	16,091	37,974	12,164	7,574	37,408	111,211	0	111,211	-111,211	6916156
6927842	1-R33-CA17 4550-01 REVISED	NIH	6927842	Microfluidic 3D Assays For Metastatic Ca	02/10/2013	08/31/2014	37,863	28,800	8,694	86,476	66,189	228,023	384,136	259,573	124,563	6927842
6928039	4500001279	Boston University	6928039	Modeling Bi-Directional Signaling And Cy	04/16/2013	03/31/2015						0	0	0	0	6928039
6928039	4500001279	Boston University	6928040	Year 1 Expenses	04/16/2013	03/31/2014	0	0	0	0	0	0	0	0	0	6928040

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6928039	4500001279	Boston University	6928338	Year 1 Expenses - Kamm	04/16/2013	03/31/2014	16,773	28,521	10,187	60,262	48,154	163,896	171,085	163,896	7,189	6928338
6928039	4500001555	Boston University	6930070	Yr 2: Modeling Bi-Directional Signaling	04/01/2014	03/31/2015	2,532				1,418	3,950	0	3,950	-3,950	6930070
6928039	4500001279	Boston University	6930176	Year 2 Expenses - Kamm	04/01/2014	03/31/2015	7,305	18,375	6,707	7,268	18,137	57,791	175,271	57,791	117,480	6930176
6928134	BILLING AGRMT. DTD. 07/01/1	Massachusetts General Hospital	6928134	Elliott Greenblatt Off- Campus Ra - Summ	06/01/2013	08/31/2013	8,791				396	9,187	9,187	9,187	0	6928134
6928573	217768	Massachusetts General Hospital	6928573	Elliott Greenblatt Off- Campus Ra - Fall	09/01/2013	01/15/2014	13,187			10,802	593	24,583	24,583	24,583	-0	6928573
6928836	223092	Massachusetts General Hospital	6928836	Imaging The Elastic Properties Of Cells	09/01/2013	08/31/2014				7,174	4,017	11,191	0	11,191	-11,191	6928836
6928836	223092	Massachusetts General Hospital	6928875	Title: Yr 1: Imaging The Elastic Propert	09/01/2013	08/31/2014				21,371	11,968	33,339	25,594	33,339	-7,745	6928875
6929529	218341	Massachusetts General Hospital	6929529	Elliot Greenblatt Off - Campus Ra - Spri	01/16/2014	05/31/2014	13,187			10,803	593	24,583	25,079	24,583	496	6929529
6930169	218341	Massachusetts General Hospital	6930169	Elliot Greenblatt Off - Campus Ra - Summ	06/01/2014	08/31/2014						0	9,483	0	9,483	6930169
Supervisor Total:							123,720	119,901	40,027	234,174	209,222	727,044	1,104,635	1,896,663	-792,028	

**Supervisor: Kamrin /Kenneth N
P065007 Mechanical Engineering (Ras) D**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6927119	CBET-1253 228	NSF	6927119	Career: Predicting Granular Flows: Amorp	06/01/2013	05/31/2018	10,015	4,409	1,235	5,853	8,769	30,281	420,000	34,079	385,921	6927119
6927765	SUBCONTRACT NO. 3F-31144	Argonne National Laboratory	6927828	Child: Kamrin	04/30/2013	12/13/2014	24,447	6,396	1,791	24,211	19,734	76,578	120,180	98,099	22,081	6927828
6929887	W911NF-14 -1-0205	Army Research Office	6929887	Toward Theoretical Foundations Of Resist	04/01/2014	03/31/2015		4,167	1,521		0	5,688	50,000	5,688	44,312	6929887

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6930179	AGMT. DTD. 6/23/14	Schlumberger Technology Corporation	6930179	Solid Flow Modeling Of Pump Valves/Seats	06/01/2014	05/31/2015						0	127,781	0	127,781	6930179

Supervisor Total: 34,462 14,972 4,546 30,063 28,503 112,546 717,962 137,866 580,095

Supervisor: Karnik /Rohit

P065002 Mech Engineering Research Admin Services

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918322	Clean Water 2.2 - Karnik	09/01/2008	07/31/2009	0	0	0	0	0	0	84,076	84,076	0	6918322

P065003 King Fahd Univ. Of Petroleum And Mineral

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6920051	R10-Cw-09-2	09/01/2008	07/31/2015	66,222	10,391	2,763	102,791	74,689	256,857	1,081,367	1,082,481	-1,114	6920051
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6922165	Fabricated Equipment - Cvd System For Gr	04/01/2010	07/31/2011				0		0	14,346	14,346	0	6922165

P065005 Mechanical Engineering (Ras) B

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6921426	CBET-0952 493	NSF	6921426	Career: Cell Separation By Rolling On As	02/12/2010	01/31/2015	1,332	5,983	1,612	3,444	8,303	20,675	400,000	403,710	-3,710	6921426
6922066	105888	Brigham & Women's Hospital	6922066	Engineered Induction Of A Stem Cell Homi	06/01/2010	05/31/2014	15,319	5,571	1,194	16,010	24,068	62,162	358,949	373,204	-14,255	6922066
6925790	107958	Brigham & Women's Hospital	6925790	Development Of Fcrn-Targeted Nanoparticl	04/15/2012	03/31/2015	30,743	53,075	18,249	56,903	82,966	241,936	599,084	508,475	90,609	6925790

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6925914	DE-SC0008 059	DOE - Chicago	6925914	Graphene Membranes With Tunable Nanomete	07/01/2012	06/30/2015	57,050	5,550	472	56,830	45,234	165,136	450,000	323,107	126,893	6925914
6927259	PO 7000229853	Lincoln Laboratory	6927259	Nanufluidic Devices For Rapid Sizing Of	01/01/2013	08/31/2013	-1,998			-555	-1,430	-3,982	22,890	22,890	-0	6927259

Supervisor Total: 168,669 80,570 24,291 235,424 233,831 742,785 3,010,711 2,812,289 198,422

Supervisor: Kim /Sang-Gook

P065003 King Fahd Univ. Of Petroleum And Mineral

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918330	R8-Ce-09	09/01/2008	09/30/2011	0	0	0	0	0	0	400,000	400,000	-0	6918330

P065005 Mechanical Engineering (Ras) B

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
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

Supervisor Total: 5,435 0 0 2,462 3,044 10,941 425,000 410,941 14,059

Supervisor: Kim /Sangbae

P065002 Mech Engineering Research Admin Services

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
2740621	CHEVRON-MIT UPP AGR. FOR PD	Chevron Energy Technology Company	6921875	Development Of Controllable Adhesive App	01/01/2009	12/31/2010	0	0	0	0	0	0	140,823	140,823	0	6921875

P065006 Mechanical Engineering (Ras) C

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
2737789	MODIFIED GRANT AGMT. SIGNED	Kuwait Foundation for the Advancement of Sciences	6926084	Development Of Pipe-Crawling Robot For W	07/01/2012	12/31/2014	31,315	10,739	3,815	33,537	29,019	108,425	200,000	178,377	21,623	6926084
6924165	AGREEMENT DTD 7/26/11	Boston Dynamics, Incorporated	6924165	Cheetah: Fast-Running Quadruped Robot	04/07/2011	12/31/2013	1,461	15,744	4,408	1,415	15,811	38,839	1,485,385	1,485,385	0	6924165
6924165	AGREEMENT DTD 7/26/11	Boston Dynamics, Incorporated	6925179	Fabeq: Test Eq For Hispeed Quad Robots	04/15/2011	12/31/2013				368		368	88,521	88,521	0	6925179
6924165	AGREEMENT DTD 7/26/11	Boston Dynamics, Incorporated	6926915	Fab Eq: Quadruped Robots	09/15/2012	04/15/2013				0		0	100,086	100,086	0	6926915
6925633	CCF-11389 67	NSF	6926845	Child - Kim	04/01/2012	03/31/2017	34,697	1,522	1,489	44,926	34,728	117,363	225,000	213,276	11,724	6926845
6926365	EFRI-12403 83	NSF	6927418	Kim - Child	08/01/2012	07/31/2016	-2,664	43,280	15,797	19,351	45,784	121,547	166,698	148,697	18,001	6927418
6927416	W31P4Q-13 -1-0014	Army	6927416	Hermes : Highly Efficient Robotic Mechan	02/07/2013	12/19/2014	65,482	99,901	34,208	169,293	156,981	525,864	1,395,000	623,163	771,837	6927416
6927416	W31P4Q-13 -1-0014	Army	6927581	Fabricated Equipment-Quadruped-Humanoid	03/15/2013	12/19/2014				73,469		73,469	43,000	76,477	-33,477	6927581
6927416	W31P4Q-13 -1-0014	Army	6929702	Fab Eq: Quadruped Humanoid Hybrid Robot	04/15/2014	12/19/2014				2,748		2,748	162,000	2,748	159,252	6929702
6927492	5054559-16 7837	Harvard University	6927492	Smart Exotendon Suit: Biomechanically Sy	07/03/2012	09/02/2013	6,202	26,533	6,885	5,789	25,429	70,837	162,682	162,682	0	6927492
6927492	5054559-16 7837	Harvard University	6927493	Human Subjects Option: Smart Exotendon S	02/21/2013	09/02/2013		14,901	5,439	3,025	13,084	36,448	36,448	36,448	0	6927493
6927817	AGRMT 5-13-2013	Daegu Gyeongbuk Institute of Science and Technology	6927817	Composite Structure Design And Manufactu	03/01/2013	12/31/2013	3,996	17,283	6,303	5,752	16,667	50,000	50,000	50,000	-0	6927817

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6928393	D13AP00048	U.S. Department of Interior-Fort Huachuca	6928393	A Disaster Response Robot Capable Of Pow	08/01/2013	07/31/2015	41,267			48,031	26,213	115,512	500,000	115,512	384,488	6928393
6929379	IIS-1350879	NSF	6929379	Career: Gait Transition Principles In Qu	06/01/2014	05/31/2019						0	400,000	0	400,000	6929379

Supervisor Total: 181,756 229,901 78,344 407,703 363,716 1,261,421 5,155,643 3,422,194 1,733,449

Supervisor: Kolpak /Alexie M.

P065003 King Fahd Univ. Of Petroleum And Mineral

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6928247	R1-Ce-13: Kolpak	08/01/2013	07/31/2014	24,686	0	0	21,605	8,181	54,472	95,000	54,472	40,528	6928247

Supervisor Total: 24,686 0 0 21,605 8,181 54,472 95,000 54,472 40,528

Supervisor: Krebs /Hermano I

P065004 Mechanical Engineering (Ras) A

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6898688	B3688-C	VA Medical Center	6898688	Task Oriented Exercise And Robotics In N	10/01/2005	09/30/2013	0	-5,534	-2,020	-85	-4,965	-12,604	1,077,813	1,077,813	-0	6898688
6924163	VA254-MU-0633	VA Medical Center	6924163	Evaluation Of Robot-Assisted Neuro-Rehab	07/08/2011	07/07/2014						0	399	0	399	6924163
6924163	PO VA512-D15 025	VA Medical Center	6924166	Evaluation Of Robot-Assisted Neuro-Rehab	07/08/2011	07/07/2012		0	0	0	0	0	55,008	55,008	0	6924166
6924163	PO VA512-D25 001, VA245-MU-0	VA Medical Center	6926047	Option Y1 Expenses	07/08/2011	07/07/2013		0	0	0	0	0	54,609	54,609	0	6926047
6924163	VA254-MU-0633	VA Medical Center	6928012	Option Y2 Expenses	07/08/2013	07/07/2014		24,867	9,077	1,783	21,615	57,342	58,000	57,342	658	6928012

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6925488	DE3849-01 C	Burke Medical Research Institute	6925488	Transcranial Direct Current Stimulation	12/02/2011	02/28/2015		160	58	0	132	350	128,939	128,868	71	6925488
6925488	DE3849-02 C	Burke Medical Research Institute	6928345	Yr2: Transcranial Direct Current Stimula	12/02/2011	02/28/2014		55,055	20,095	3,115	47,350	125,615	125,615	125,615	0	6928345
6925488	DE3849-03 C	Burke Medical Research Institute	6929733	Yr3: Transcranial Direct Current Stimula	12/02/2011	02/28/2015		2,694	983		2,224	5,901	128,005	5,901	122,104	6929733
6927562	PO#512-C3 0134	Veterans Affairs Maryland Health Care System, VAMHCS	6927562	Skywalker Safety: Rehabilitation Potenti	10/01/2012	09/30/2013	0	0	0	-316	0	-316	30,000	30,000	-0	6927562
6929113	VA245-14-C -0039	Veterans Affairs Maryland Health Care System, VAMHCS	6929113	Mit Adaptive Games And Development Of AI	01/16/2014	01/15/2015		13,371	4,880	328	10,404	28,982	30,000	28,982	1,018	6929113

Supervisor Total: 0 90,612 33,073 4,824 76,760 205,270 1,688,388 1,564,138 124,250

**Supervisor: Lang /Matthew J
P065007 Mechanical Engineering (Ras) D**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6916013	AGREEMENT DATED 9/18/07	National Research Foundation	6916054	Smart Biosym: Lang	10/01/2008	12/31/2013	14,025	0	0	14,895	14,579	43,499	11,042	789,247	-778,206	6916054
6916013	AGREEMENT DATED 9/18/07	National Research Foundation	6916159	Biosym Phase II Lang	01/01/2014	12/31/2018	4,827			3,618	435	8,880	0	8,880	-8,880	6916159

Supervisor Total: 18,852 0 0 18,513 15,014 52,379 11,042 798,128 -787,086

**Supervisor: Lermusiaux /Pierre
P065004 Mechanical Engineering (Ras) A**

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6930243	N00014-14-1-0476	Navy - ONR	6930243	Long-Duration Environmentally-Adaptive A	06/01/2014	08/31/2018						0	150,000	0	150,000	6930243

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6919492	N00014-09-1-0676	Navy - ONR	6925140	Uncapped Funds: Fy11+ Appropriation	04/01/2009	12/31/2013	31,495	22,019	7,181	23,826	44,391	128,912	659,946	659,946	-0	6925140
6923609	OCE-1061160	NSF	6923609	Collaborative Research: Causes And Effects	04/01/2011	03/31/2015	6,507	43,622	14,578	14,122	49,958	128,787	607,248	414,317	192,931	6923609
6923921	N00014-11-1-0337	Navy - ONR	6923921	Active Transfer Learning For Ocean Model	01/01/2011	12/31/2015	40,441	33,476	9,663	44,525	63,798	191,903	483,678	471,181	12,497	6923921
6924544	A100847	Woods Hole Oceanographic Institution	6924544	Unified Four-Dimensional Multi-Resolution	06/01/2011	09/30/2014	25,640	39,591	12,591	22,619	58,484	158,925	470,475	400,346	70,129	6924544
6926086	N00014-12-1-0944	Navy - ONR	6926086	Stochastic Forcing For Ocean Uncertainty	06/01/2012	05/28/2014	2,435	6,206	2,265	284	6,770	17,961	339,517	339,525	-8	6926086
6927702	N00014-13-1-0518	Navy - ONR	6927702	Multiscale Data Assimilation	04/01/2013	09/30/2015	4,310	26,662	8,876	16,786	30,037	86,671	100,501	98,873	1,628	6927702
6927973	N00173-13-2-C009	Naval Research Laboratory	6927973	Stochastic Forcing For Environmental Error	07/22/2013	06/14/2016	4,310	40,930	13,454	6,703	34,944	100,341	140,000	100,341	39,659	6927973
6930224	N00014-14-1-0725	Navy - ONR	6930224	Bayesian Nonlinear Assimilation Of Euler	05/01/2014	04/30/2015						0	50,000	0	50,000	6930224

Supervisor Total: 115,138 212,506 68,608 128,866 288,383 813,500 3,001,365 2,484,529 516,836

Supervisor: Lienhard /John H

P065003 King Fahd Univ. Of Petroleum And Mineral

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918310	Kfupm Administration	06/01/2008	07/31/2016		130,451	43,967	28,170	113,450	316,038	2,503,404	2,150,402	353,002	6918310

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918311	Kfupm Research	09/01/2008	07/31/2016						0	775,230	0	775,230	6918311
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918312	R4-Cw-08: Seawater Desalination	09/01/2008	08/31/2014	70,471	78,956	21,991	60,633	103,071	335,123	2,115,273	1,933,080	182,193	6918312
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6920148	Fabricated Equipment-Solar Air Heating C	07/01/2009	07/31/2010				0		0	4,559	4,559	0	6920148
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6922837	R13-Cw-Lienhard	08/01/2010	07/31/2015	66,130	6,138	1,771	70,073	49,028	193,140	597,500	478,768	118,732	6922837
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6923149	Fabricated Equipment - Hdh Apparatus	09/01/2010	10/31/2012				0		0	51,075	51,075	0	6923149
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6925169	Khaled Al-Athel Postdoctoral Support	02/15/2012	01/31/2013		0	0		0	0	80,756	80,756	-0	6925169
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6926440	R15-Cw-11Remediation Of Water Produced I	08/01/2012	07/31/2015	31,315	10,325	2,936	29,004	27,791	101,371	280,000	107,023	172,977	6926440
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6926852	Fab Eq - Pre-Treatment For Hdh Apparatus	11/01/2012	03/18/2013				0		0	18,136	18,136	0	6926852
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6927193	R17-Admn-11Strategic Projects In Clean W	08/01/2011	07/31/2015						0	231,893	0	231,893	6927193
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6927799	Fab Eq: Electrodialysis System	05/01/2013	07/31/2014				-9,723		-9,723	0	0	0	6927799
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6928075	Fab Eq: Electrodialysis System	05/01/2013	07/31/2014				18,909		18,909	20,000	19,090	910	6928075

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6929798	AGMT. DTD: 5/5/14	Korea Institute of Science & Technology (KIST)	6929798	Theoretical Research On Scaling Formatio	02/15/2014	06/14/2014				15,813	8,855	24,668	30,000	24,668	5,332	6929798

Supervisor Total: 167,916 225,871 70,665 212,879 302,196 979,526 6,707,826 4,867,556 1,840,270

Supervisor: Liu /Yuming

P065005 Mechanical Engineering (Ras) B

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6917480	CHEVRON MITEI SUSTAININ G ME	Chevron Energy Technology Company	6917482	Mitei: R9 (R2) Modeling And Prediction O	01/01/2008	01/31/2014	17,316	24,867	9,076	10,803	28,705	90,767	780,000	782,848	-2,848	6917482
6917480	CW793339 MITEI, SO#150444 48	Chevron Energy Technology Company	6929076	R17: Prediction Of Two-Phase High-Visco	01/01/2014	12/31/2014	23,976	5,184	1,892	21,605	17,389	70,046	55,000	70,046	-15,046	6929076

Supervisor Total: 41,292 30,051 10,969 32,408 46,094 160,814 835,000 852,894 -17,894

Supervisor: Makris /Nicholas

P065005 Mechanical Engineering (Ras) B

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6923721	N00014-11-1-0064	Navy - ONR	6923721	A Unified Approach To Passive And Active	01/01/2011	09/30/2014						0	0	0	0	6923721
6923721	N00014-11-1-0064	Navy - ONR	6923723	A Unified Approach To Passive And Active	01/01/2011	09/30/2014	22,964	58,493	18,757	301,969	112,759	514,941	1,245,000	1,182,912	62,088	6923723
6924544	A100847	Woods Hole Oceanograph ic Institution	6924238	Makris-Whoi: Unified Four-Dimensional Mo	06/01/2011	09/30/2014	26,854			49,407	21,612	97,873	470,473	280,782	189,692	6924238
6924876	501936P12 03087	Northeastern University	6924876	Instantaneous Passive And Active Detecti	06/15/2011	05/31/2015						0	0	0	0	6924876

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6924876	SUB#501936, PO#P1406752	Northeastern University	6924880	Neu Sub Year 1-3	06/15/2011	05/31/2015	21,312	0	0	19,125	14,386	54,823	150,000	154,821	-4,821	6924880
6925383	N00014-12-1-0411	Navy - ONR	6925383	Onr Graduate Traineeship Award In Ocean	01/01/2012	06/30/2014	22,884			13,027	13,845	49,755	119,910	119,884	26	6925383
6925441	N00014-12-1-0128	Navy - ONR	6925441	Joint Us-Norway Ocean Acoustic Experimen	02/01/2012	10/31/2014	5,648	21,867	7,981	291,975	60,371	387,842	525,004	491,597	33,407	6925441
6929374	N00014-14-1-0191	Navy - ONR	6929374	A Unified Approach To Passive And Active	03/01/2014	12/31/2016	13,294	14,090	3,523	10,985	10,263	52,154	300,000	52,154	247,846	6929374
Supervisor Total:							112,955	94,450	30,260	686,488	233,235	1,157,381	2,810,387	2,282,150	528,237	

**Supervisor: McKinley /Gareth H
P065000 Mechanical Engineering**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6890357	AGMT EFF. 12/10/99	E.I. Du Pont De Nemours & Company	6891614	Child Account Of 6891363: Micormechanica	09/01/2000	12/31/2002		0	0	0	0	0	165,995	165,995	0	6891614

P065003 King Fahd Univ. Of Petroleum And Mineral

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6926441	R15-Cw-11-Mckinley- Remediation Of Water	08/01/2012	07/31/2015	31,655	28,929	7,538	59,197	46,528	173,848	600,000	280,199	319,801	6926441

P065007 Mechanical Engineering (Ras) D

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6890357	AGMT EFF. 12/10/99	E.I. Du Pont De Nemours & Company	6923251	Understanding The Extensional Viscosity	01/01/2011	07/31/2013	0	0	0	-0	0	-0	250,000	250,000	0	6923251
6917480	CHEVRON MITEI SUSTAINING ME	Chevron Energy Technology Company	6918647	Mckinley Child: Mitei: R3 Continuous Flo	01/01/2008	12/31/2014	26,640	0	0	24,553	17,938	69,130	488,220	452,215	36,004	6918647

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6926529	NNX12AN8 9G	NASA - Glenn Research Center	6926529	Shear History Extensional Rheology Exper	07/01/2012	09/02/2013	5,328	4,599	1,288	2,304	7,570	21,089	100,000	100,000	0	6926529
6926853	3002453814	University of Michigan	6926853	Passive And Active Friction Drag Reducti	06/01/2012	05/31/2015	37,165	4,322	367	34,180	32,671	108,706	272,467	172,048	100,419	6926853
6926853	3002453814	University of Michigan	6928556	Fabricated Equipment - Wide-Gap Couette	08/26/2013	05/31/2015				4,495		4,495	7,500	4,495	3,005	6928556
6927092	AGMT DTD 2/28/13	DuPont Performance Coatings	6927092	Understanding Spray Application Of Water	03/01/2013	02/28/2015	29,242	5,699	1,876	37,716	24,018	98,552	240,000	130,170	109,830	6927092
6927765	SUBCONT RACT NO. 3F-31144	Argonne National Laboratory	6927829	Child: Mckinley	04/30/2013	12/13/2014	32,075	6,552	1,835	29,137	26,771	96,370	75,230	100,525	-25,295	6927829
6928378	AGMT DTD 08/13/2013	Schlumberge r-Doll Research Center	6928378	Rheological Characterization Of Dense Po	04/01/2013	09/30/2014		35,200	12,848	7,535	31,126	86,709	150,000	86,709	63,291	6928378
Supervisor Total:							162,105	85,301	25,752	199,117	186,623	658,898	2,349,412	1,742,358	607,054	

Supervisor: Mitsos /Alexander

P065003 King Fahd Univ. Of Petroleum And Mineral

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918343	R2-Ce-08-4	08/01/2009	07/31/2013	0	0	0	-40	0	-40	397,575	397,575	-0	6918343
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6922836	R13-Cw-Mitsos	08/01/2010	12/31/2013	4,870	0	0	3,355	4,606	12,832	278,334	278,334	-0	6922836
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6922839	R12-Ce-Mitsos	08/01/2010	10/31/2012	0	0	0	0	0	0	142,612	142,612	0	6922839

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Department: Mechanical Engineering
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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6918390	ENEL MITEI SUSTAINING MEMBE	ENEL Ingegneria e Innovazione S.p.A	6921276	Mitsos Child: Mitei Enel: Oxy-Combustion	11/01/2008	12/31/2012	0	0	0	0	0	0	204,242	204,242	0	6921276
6926819	AGMT. SIGNED 11/8/12	Unity Power Alliance	6926819	Optimization Of Pressurized Oxy-Combusti	09/30/2012	07/30/2013	2,578	0	0	0	1,444	4,022	142,955	142,955	0	6926819
Supervisor Total:							7,448	0	0	3,315	6,050	16,813	1,165,718	1,165,718	-0	

**Supervisor: Patera /Anthony T
P065004 Mechanical Engineering (Ras) A**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6920882	00000272	Brown University	6920882	Multi-Scale Fusion Of Information For Un	09/01/2009	08/31/2014		75,739	26,818	986	70,410	173,953	1,000,000	961,227	38,773	6920882
6922520	DESHPAND E MOU	MIT - Internal	6924443	Real-Time Component-Based Simulations	09/01/2011	07/31/2013		364	133	0	278	775	128,153	128,153	0	6924443
6924172	N00014-11-1-0713	Navy - ONR	6924172	A Certified Reduced Basis Element Method	06/15/2011	05/31/2015	2,771	130,998	43,609	999	120,405	298,782	1,001,352	598,413	402,939	6924172
Supervisor Total:							2,771	207,102	70,560	1,985	191,092	473,510	2,129,505	1,687,792	441,713	

**Supervisor: Patrikalakis /Nicholas M
P065005 Mechanical Engineering (Ras) B**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6927199	3002531248	University of Michigan	6927199	Neec: Quantification Of Extreme Events I	09/12/2012	09/11/2013	5,763	29,495	8,579	15,555	17,465	76,858	149,850	141,055	8,794	6927199
Supervisor Total:							5,763	29,495	8,579	15,555	17,465	76,858	149,850	141,055	8,794	

**Supervisor: Peacock /Thomas
P065005 Mechanical Engineering (Ras) B**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
2746204	CMMI-1345 227	NSF	6928681	Non-Participant Support Costs Workshop	09/15/2013	08/31/2014				2,755	1,543	4,298	4,282	4,298	-16	6928681

**Primary and Secondary Volume Report by Supervisor
Department: Mechanical Engineering
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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6919105	N00014-09-1-0282	Navy - ONR	6919129	Dod Cap Funds - Fy09 Appropriation	01/01/2009	12/31/2013	0	0	0	1	0	1	127,099	127,099	-0	6919129
6919105	N00014-09-1-0282	Navy - ONR	6923926	Fy11 Uncapped Allocation: Lab. Modeling	01/01/2009	12/31/2013	0	21,568	6,755	1,681	20,404	50,408	372,092	372,092	-0	6923926
6924583	OCE-11297 57	NSF	6924583	Assessing The Importance Of Deep Ocean T	09/15/2011	08/31/2014	14,791	0	0	43,491	28,821	87,103	210,114	210,148	-34	6924583
6924583	OCE-11297 57	NSF	6929177	Fab Eq: Wave Generator	09/01/2013	03/31/2014				25,474		25,474	25,474	25,474	0	6929177
6925700	N00014-12-1-0665	Navy - ONR	6925700	Characterizing Surface Transport Barrier	05/01/2012	09/30/2015	5,328	46,209	15,891	24,293	49,485	141,206	309,828	277,154	32,674	6925700
6926459	CMMI-1234 113	NSF	6926459	Dynsyst_Special_ Topics/Collaborati ve Res	09/01/2012	08/31/2015	34,739	6,360	1,781	29,892	28,654	101,426	270,165	103,791	166,374	6926459
6929198	OCE-13574 34	NSF	6929198	The Vertical Propagation Of Internal Wav	03/01/2014	02/28/2017	14,759			13,492	9,682	37,934	253,160	37,934	215,226	6929198
6929198	OCE-13574 34	NSF	6929686	Fab Eq: Support Cradle For Wave Generato	03/01/2014	02/28/2017				81		81	15,000	81	14,920	6929686

Supervisor Total: 69,617 74,137 24,427 141,162 138,589 447,931 1,587,214 1,158,071 429,143

**Supervisor: Reis /Pedro Miguel
P065004 Mechanical Engineering (Ras) A**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6917065	FORD-MIT ALLIANCE AGREEME NT	Ford Motor Company	6929727	Switchable And Tunable Aerodynamic Drag	01/01/2014	12/31/2015						0	150,000	0	150,000	6929727

P065007 Mechanical Engineering (Ras) D

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6924509	CMMI-1129 894	NSF	6924509	Collaborative Research: Experimental And	09/01/2011	08/31/2015	29,556	6,003	1,681	29,419	27,258	93,917	419,984	183,950	236,034	6924509

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6929193	AGMT. DTD. 12/24/13	Schlumberger-Doll Research Center	6929193	Reach Extension In The Buckling-Induced	01/01/2014	12/31/2015	14,521	9,185	2,572	11,770	14,715	52,763	203,490	52,763	150,727	6929193
6929236	CMMI-1351 449	NSF	6929236	Career: Smart Morphable Surfaces For Aer	01/01/2014	12/31/2018		3,062	857		2,195	6,114	400,000	6,114	393,886	6929236
Supervisor Total:							44,077	18,250	5,110	41,189	44,168	152,794	1,173,474	242,827	930,647	

Supervisor: Roman /Yuriy

P065003 King Fahd Univ. Of Petroleum And Mineral

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6922840	R12-Ce-Roman	08/01/2010	07/31/2015		50,773	16,317	22,595	45,968	135,652	513,617	501,348	12,269	6922840
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6924747	Fabeq: Fixedbedflowreact or F Reformingre	01/01/2011	04/11/2013				0		0	32,621	32,621	0	6924747
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6928162	Fab-E Quartz Tube Furnace System	06/13/2013	07/31/2014				22,924		22,924	23,762	22,924	838	6928162
Supervisor Total:								50,773	16,317	45,519	45,968	158,577	570,000	556,893	13,107	

Supervisor: Rutledge /Gregory C

P065003 King Fahd Univ. Of Petroleum And Mineral

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918325	R5-Cw-08-4	09/01/2008	07/31/2014	5,700	8,808	2,560	39,832	14,810	71,710	505,338	504,820	518	6918325
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918335	R8-Ce-09	08/01/2009	07/31/2011	0	0	0	0	0	0	89,902	89,902	0	6918335
Supervisor Total:							5,700	8,808	2,560	39,832	14,810	71,710	595,240	594,722	518	

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**Supervisor: Sapsis /Themistoklis Panagioti
P065005 Mechanical Engineering (Ras) B**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6929043	3002883706	University of Michigan	6929043	Neec: Quantification Of Extreme Events I	09/12/2013	09/12/2014	21,022	44,545	14,778	15,104	47,402	142,851	150,000	142,851	7,149	6929043
6930166	N00014-14-1-0520	Navy - ONR	6930166	A Physics-Constrained Order-Reduction Fr	07/01/2014	06/30/2017						0	30,000	0	30,000	6930166
Supervisor Total:							21,022	44,545	14,778	15,104	47,402	142,851	180,000	142,851	37,149	

**Supervisor: Sarma /Sanjay E
P065003 King Fahd Univ. Of Petroleum And Mineral**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918371	R7-Dmn-08-2	09/01/2008	07/31/2012	0	0	0	0	0	0	499,432	499,432	0	6918371
Supervisor Total:							0	0	0	0	0	0	499,432	499,432	0	

**Supervisor: Schmidt /Henrik
P065005 Mechanical Engineering (Ras) B**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6922644	10307757	University of California-San Diego	6922644	Ocean Observatories Initiative	09/01/2009	08/31/2013		23,427	7,763	0	21,209	52,399	496,244	496,244	-0	6922644
6923291	SUBCONT RACT 251192	Battelle Memorial Institute	6923291	Multi-Vehicle Cooperative And Adaptive A	01/15/2011	01/14/2015		74,592	27,226	37,349	71,053	210,219	725,000	732,387	-7,387	6923291
6923914	N00014-11-1-0097	Navy - ONR	6923914	Goats '11: Adaptive And Collaborative Ex	06/01/2011	05/31/2014	7,992	732	267	45,019	22,763	76,773	900,000	900,000	-0	6923914
6924926	SUBCONT RACT 300792	Battelle Memorial Institute	6924926	The Hunter-Prey Competition For Research	11/01/2011	09/30/2014	9,324	20,419	7,038	14,669	12,636	64,086	350,000	338,295	11,705	6924926

**Primary and Secondary Volume Report by Supervisor
Department: Mechanical Engineering
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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6924990	SUBCONT RACT 301031	Battelle Memorial Institute	6924990	Cyborg Search: Mixed Human-Machine Algor	11/01/2011	09/30/2013		15,963	5,827	48,125	12,832	82,747	219,926	219,926	-0	6924990
6927663	APS-13-10	Applied Physical Sciences Corp.	6927663	Deep Sea Operations - 2 Parent	03/11/2013	12/10/2014						0	0	0	0	6927663
6927663	APS-13-10 SLIN 0001 S.P. 34	Applied Physical Sciences Corp.	6927664	Dsop Phase Iii: Slin 0001	03/11/2013	12/10/2014	66,516	65,193	21,510	58,622	94,433	306,273	309,772	343,042	-33,270	6927664
6927663	APS-13-10 SLIN 0001 S.P. 34	Applied Physical Sciences Corp.	6927665	Dsop Phase Iii: Slin 0001 (Pre-Award)	12/11/2012	03/11/2013	0	0	0	0	0	0	85,926	85,926	-0	6927665
6927663	APS 13-10 SLIN 00002 S.P. 3	Applied Physical Sciences Corp.	6930144	Dsop Phase Iii: Slin 0002, (Option Task	06/06/2014	12/10/2014						0	64,964	0	64,964	6930144
6928757	PO #S9000381, SUB #43019208	University of California-San Diego	6928757	The Information Content Of Ocean Noise:	07/01/2013	09/30/2014	28,998	38,306	13,982	54,348	65,901	201,535	287,723	201,535	86,188	6928757
6929490	N00014-14-1-0214	Navy - ONR	6929490	Goats '14: Adaptive And Collaborative Ex	02/15/2014	12/31/2017	24,190	15,871	3,968	24,800	16,032	84,861	384,200	84,861	299,339	6929490
Supervisor Total:							137,020	254,503	87,580	282,932	316,858	1,078,89:	3,823,756	3,402,216	421,540	

**Supervisor: Scлавounos /Paul D
P065005 Mechanical Engineering (Ras) B**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6919583	N00014-09-1-0952	Navy - ONR	6919590	Dod Cap Funds-Fy09 Appropriation	05/01/2009	08/31/2014	0	0	0	0	0	0	149,228	147,112	2,116	6919590
6919583	N00014-09-1-0952	Navy - ONR	6921282	Dod Cap Funds - Fy10 Appropriation	05/01/2009	08/31/2014				0	0	0	80,772	9,431	71,341	6921282

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6925379	ZGV-2-2243 8-01	National Renewable Energy Laboratory	6925379	Development And Validation Of A Nonlinea	03/08/2012	09/30/2014	17,982			17,205	12,638	47,824	205,418	58,151	147,268	6925379
6925379	ZGV-2-2243 8-01	National Renewable Energy Laboratory	6925413	Pre-Subcontract Costs For Nrel Subcontra	01/16/2012	09/30/2014	0			0	0	0	5,582	5,582	0	6925413
6925380	TASK ORDER 12-1	Massachusetts Clean Energy Center	6925380	Floating Platform Dynamic Models	03/08/2012	09/30/2014	0			0	0	0	85,000	26,772	58,228	6925380
6926029	4100198339 ITEM 10	Alstom Power	6926029	Cost Of Energy Reduction For Offshore Te	04/01/2012	08/31/2014	16,533			9,275	10,125	35,933	125,000	94,715	30,285	6926029
6929729	PO 4100623272 / 0 LINE 10	Alstom Power	6929729	Virginia Dmme Offshore Grant (Go2-Us-000	04/14/2014	06/30/2014	8,493	1,136		5,163	5,393	20,185	25,000	20,185	4,815	6929729
Supervisor Total:							43,009	1,136	0	31,642	28,155	103,942	676,000	361,948	314,052	

Supervisor: Seering /Warren Paul

P065003 King Fahd Univ. Of Petroleum And Mineral

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6920070	R11-Dmn-09: Design Protocols	09/01/2008	07/31/2015	15,839	17,696	5,665	21,402	25,892	86,495	896,661	719,063	177,598	6920070
Supervisor Total:							15,839	17,696	5,665	21,402	25,892	86,495	896,661	719,063	177,598	

Supervisor: Shao-Horn /Yang

P065002 Mech Engineering Research Admin Services

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6890357	AGMT EFF. 1/1/05	E.I. Du Pont De Nemours & Company	6898236	Novel Experimental Methods To Detect Naf	07/01/2005	06/30/2008	0	0	0	0	0	0	496,925	496,925	-0	6898236
6890357	AGMT EFF. 12/10/99	E.I. Du Pont De Nemours & Company	6898454	Fabricated Equipment - Nafion Characteri	08/26/2005	07/31/2006				0		0	31,177	31,177	0	6898454

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Department: Mechanical Engineering
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P065003 King Fahd Univ. Of Petroleum And Mineral

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918341	R2-Ce-08-2	09/01/2008	07/31/2013	613	5,070	1,850	2,515	5,585	15,633	853,366	853,366	0	6918341
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6923582	Fabricated Equipment - Polisher	03/01/2011	02/05/2013				0		0	11,305	11,305	0	6923582

P065004 Mechanical Engineering (Ras) A

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978627	KUS-11-010-01	KAUST Global Research Partnership	6918091	Kaust Prof. Yang Shao-Horn	06/01/2008	05/31/2013	0	0	0	0	0	0	649,985	650,017	-32	6918091
6917065	FORD-MIT ALLIANCE AGREEMENT	Ford Motor Company	6917080	Cerc-Cvc Fma-Funded Cost Sharing -- Shao	10/01/2010	05/31/2012	0	0	0	0	0	0	261,878	261,878	0	6917080
6917065	FORD-MIT ALLIANCE AGREEMENT	Ford Motor Company	6925246	Catalyst Studies Of Oxygen Electrode For	06/01/2010	05/31/2012		0	0	0	0	0	38,129	38,129	0	6925246
6920507	9F-32142	Argonne National Laboratory	6920507	Polymer Electrolyte Fuel Cell Lifetime L	10/01/2009	12/31/2012	0	0	0	-302	-205	-508	173,992	173,992	0	6920507
6921421	157503	Brookhaven National Laboratory	6921421	Brookhaven Sub: Platinum Monolayer Oxyge	02/01/2010	12/31/2013	20,854	16,877	3,827	30,126	37,242	108,925	389,162	389,162	0	6921421
6923731	AGMT. DTD. 3/31/11	Philip Morris Incorporated	6923784	Design Of Highly Absorptive And Catalyti	04/01/2011	03/31/2014	0	202	74	23,006	12,747	36,029	339,891	310,631	29,260	6923784
6923761	GVS01289 PRKY4001 001	General Motors Company	6923761	Research, Development, And Demonstration	08/01/2010	03/31/2014	24,831	1,823	665	41,028	32,151	100,498	668,790	668,790	-0	6923761
6923761	GVS01289	MIT - Internal Cost Sharing	6923762	Research, Development, And Demonstration	08/01/2010	03/31/2014		8,329	2,332		7,196	17,857	56,942	56,942	0	6923762

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6923989	MASTER RESEARCH AGREEMENT:	Samsung Advanced Institute of Technology	6924005	Child Shao-Horn 6924004	06/01/2013	05/31/2015	37,165	14,770	4,136	95,995	42,374	194,440	232,214	194,440	37,774	6924005
6923989	MASTER RESEARCH AGREEMENT:	Samsung Advanced Institute of Technology	6927020	Child Shao-Horn 6924001	09/01/2012	06/30/2013		0	0	0	0	0	91,182	91,182	0	6927020
6923989	MASTER RESEARCH AGREEMENT:	Samsung Advanced Institute of Technology	6928793	Fab Equipment: Dems Mass Spectrometer Sy	10/15/2013	05/31/2015				36,131		36,131	82,331	36,131	46,200	6928793
6924545	PURCHASE ORDER 4059652	Toyota Motor Europe	6924545	Fundamental Understanding Of Oxygen Redu	09/09/2011	08/31/2014	28,846	10,770	3,931	70,877	51,129	165,553	441,198	438,354	2,844	6924545
6925205	3002219006	University of Michigan	6925646	Cerc-Cvc: Shao-Horn Yr 1-2	10/01/2010	03/31/2014	4,715	0	0	997	3,456	9,169	97,481	97,735	-254	6925646
6925205	3002219006	University of Michigan	6929524	Cerc-Cvc, Shao-Horn, Year 3	04/01/2013	03/31/2014	6,660			5,957	4,029	16,647	29,550	16,647	12,903	6929524
6925525	N00014-12-1-0096	Navy - ONR	6925525	Fundamental Understanding Of Oxygen Redu	01/01/2012	08/31/2013	0	0	0	-2,643	-746	-3,389	150,000	150,000	0	6925525
6926808	424K351	University of Wisconsin-Madison	6926808	Enhancement Of Sofc Cathode Electrochemi	10/01/2012	09/30/2015	5,328	0	0	3,461	4,772	13,561	170,000	107,609	62,391	6926808
6927619	7055896	Lawrence Berkeley National Laboratory	6927619	Tem And Afm Studies Of Nanoparticle Coat	01/01/2013	06/30/2013	0	0	0	-4,136	-2,325	-6,461	117,713	117,713	-0	6927619
6928391	AGMT DATED 9/4/13	BMW of North America, LLC	6928391	Probing The Reactivity Between Electrode	09/01/2013	08/31/2016	2,761	33,573	7,010	137,801	60,801	241,946	996,493	241,946	754,547	6928391
6928392	AGMT DATED 9/4/13	BMW of North America, LLC	6928392	Seeking Design Principles Of Ion Conduct	09/01/2013	08/31/2016	139	73,035	26,198	100,132	72,203	271,706	996,493	271,706	724,787	6928392
6928513	AGMT DTD 9/1/13	BASF SE	6928513	Development And Testing Of Non-Precious	09/01/2013	08/31/2014	8,099	17,171	6,267	32,216	32,857	96,610	170,000	96,610	73,390	6928513

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6928539	NAFAC-000 0146073	Toyota Motor Engineering & Manufacturing North America, Inc.	6928539	Catalyst Design Principles For Electroch	08/26/2013	02/28/2015	17,045	21,948	7,760	35,429	36,274	118,456	210,000	118,456	91,544	6928539

P065006 Mechanical Engineering (Ras) C

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6925205	3002219006	University of Michigan	6929604	Cerc-Cvc, Shao-Horn, Year	04/01/2014	09/30/2015	2,664			2,423	1,612	6,698	32,143	6,698	25,444	6929604

Supervisor Total: 159,720 203,566 64,050 611,014 401,150 1,439,491 7,788,341 5,927,541 1,860,800

Supervisor: Slocum /Alexander H

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6915418	AGMT DTD. 6/1/2007	Novartis Pharma AG	6924507	Alex Slocum	09/01/2011	05/31/2015	58,524	14,261	3,999	54,028	49,057	179,869	574,678	491,282	83,396	6924507
6915418	AGMT DTD. 6/1/2007	Novartis Pharma AG	6925117	Fabeg: Thin-Film Tablet Manufact'G Machi	12/12/2011	03/31/2012				0		0	39,775	39,775	0	6925117
6922520	DESHPAND E MOU	MIT - Internal	6922587	Image-Guided Robot For Dot-Matrix Tumor	09/01/2010	12/31/2011	0			0	0	0	49,974	49,974	0	6922587
6922926	W81XWH-0 9-2-0001 / FUND 217	Center for Integration of Medicine & Innovative Technology	6922926	Mit-Cimit Precision Medical Devices Grad	06/01/2010	06/30/2013	0	0	0	309	0	309	245,509	245,509	0	6922926
6925136	DE-AR0000 180	DOE - Office of ARPA-E	6925149	Child: Slocum	01/09/2012	12/31/2013	0	9,272	2,596	608	7,548	20,025	205,418	205,418	0	6925149
6926408	AGMT SIGNED 8/17/2012	Intuitive Surgical, Inc.	6926408	Precision Tissue Sampling And Manipulati	08/01/2012	09/30/2014	27,972			51,531	32,962	112,465	176,025	162,785	13,240	6926408
6926912	PO 12517 REV A	Propulsor Technology, Inc.	6926912	Reliability Prediction For Naval Shaftin	11/15/2012	06/30/2014	0	4,301	1,246	13,424	10,565	29,534	100,000	78,069	21,932	6926912

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6927765	SUBCONT RACT NO. 3F-31144	Argonne National Laboratory	6927837	Child: Slocum	04/30/2013	12/13/2014	28,846	0	0	30,307	21,027	80,180	170,538	87,771	82,767	6927837
6927959	222513	Center for Integration of Medicine & Innovative Technology	6927959	2013 - 2014: Mit-Cimit Precision Medical	07/01/2013	06/30/2014		27,413	10,006	24,814	34,716	96,949	82,000	96,949	-14,949	6927959
6929689	NAKFI ANT9	National Academies Keck Futures Initiative	6929689	Extraction Of Uranium From Seawater: Des	05/01/2014	06/30/2015						0	100,000	0	100,000	6929689
6929701	11461-14	National Collegiate Inventors & Innovators Alliance	6929701	Recon Therapeutics	04/01/2014	12/31/2014				2,688	0	2,688	5,000	2,688	2,312	6929701

Supervisor Total: 115,342 55,247 17,846 177,709 155,875 522,019 1,748,917 1,460,219 288,698

**Supervisor: Slotine /Jean-Jacques E
P065005 Mechanical Engineering (Ras) B**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6896320	MIT-BA-GT A-1	Boeing	6918260	Enhancing The Behavior Of The Adaptive S	02/01/2008	01/31/2014	0	23,409	5,852	3,406	3,224	35,892	422,208	422,208	-0	6918260

Supervisor Total: 0 23,409 5,852 3,406 3,224 35,892 422,208 422,208 -0

**Supervisor: Smith /Amy B
P065003 King Fahd Univ. Of Petroleum And Mineral**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918313	R4-Cw-08-2	09/01/2008	07/31/2010	0			0	0	0	90,956	90,956	0	6918313
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918352	R3-Ce-08-3	09/01/2008	07/31/2010	0			0	0	0	65,491	65,491	0	6918352

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Supervisor Total: 0 0 0 0 156,447 156,447 0

**Supervisor: So /Peter T. C.
P065006 Mechanical Engineering (Ras) C**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
2744719	AGREEMENT DATED 10/26/11	NP Org Fund for Dev of Center for Elab & Comm of New Tech	6926100	Parent - Next Gen Biophotonics	06/01/2012	05/31/2014						0	410	0	410	6926100
2744719	AGREEMENT DATED 10/26/11	NP Org Fund for Dev of Center for Elab & Comm of New Tech	6926101	So - Next Gen Biophotonics	06/01/2012	05/31/2014		36,777	13,424	36,680	42,149	129,029	125,000	135,743	-10,743	6926101
2744719	AGREEMENT DATED 10/26/11	NP Org Fund for Dev of Center for Elab & Comm of New Tech	6926104	Dasari - Next Gen Biophotonics	06/01/2012	05/31/2014	0	35,662	13,017	0	27,260	75,938	145,000	163,725	-18,725	6926104
2744719	AGREEMENT DATED 10/26/11	NP Org Fund for Dev of Center for Elab & Comm of New Tech	6926106	Hu - Next Gen Biophotonics	06/01/2012	05/31/2014	7,501	38,583	13,570	14,451	37,350	111,455	160,000	177,057	-17,057	6926106
2744719	AGREEMENT DATED 10/26/11	NP Org Fund for Dev of Center for Elab & Comm of New Tech	6926707	Fabe - Fiber Optic Tweezers Appartus	10/11/2012	05/31/2014				0		0	14,000	2,605	11,395	6926707
6916013	AGREEMENT DATED 9/18/07	National Research Foundation	6916052	Biosym: So	10/01/2008	12/31/2013	9,324	2,194	801	26,184	19,979	58,481	0	817,988	-817,988	6916052
6916013	AGREEMENT DATED 9/18/07	National Research Foundation	6916157	Biosym Phase li So	01/01/2014	12/31/2018	16,091	4,609	1,682	42,708	29,680	94,770	0	94,770	-94,770	6916157
6916013	AGREEMENT DATED 9/18/07	National Research Foundation	6919228	Fabricated Equipment-Non-Invasive Endosc	10/01/2008	12/31/2013				0		0	80,000	50,245	29,755	6919228

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6928119	220682	Massachusetts General Hospital	6928119	Stephanie Nam Off- Campus Ra - Spring &	01/16/2013	03/31/2014	38,223			27,202	1,720	67,145	73,731	67,145	6,585	6928119
6928869	109687	Brigham & Women's Hospital	6928869	Engineering A Biological Glucose Monitor	09/30/2013	08/31/2014	13,427			15,418	7,655	36,499	97,762	36,499	61,263	6928869
Supervisor Total:							84,566	117,826	42,493	162,642	165,792	573,318	695,902	1,545,777	-849,875	

**Supervisor: Techet /Alexandra H
P065005 Mechanical Engineering (Ras) B**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
2740621	CHEVRON-MIT UPP AGR. FOR PD	Chevron Energy Technology Company	6921789	E9: Synthetic Aperture Pv For 3D Velocim	01/01/2010	06/30/2013		0	0	1,238	694	1,932	139,822	139,822	0	6921789
6917480	CHEVRON MITEI SUSTAINING ME	Chevron Energy Technology Company	6927256	Techet Child Account Of 6924088	01/01/2008	06/30/2014	27,173	407		26,269	20,780	74,629	73,721	74,629	-908	6927256
6923922	N00014-11-1-0545	Navy - ONR	6923922	Investigation Of Droplet Size Distributi	01/02/2011	01/31/2014	14,993	22,114	5,029	21,829	17,133	81,099	275,000	275,000	-0	6923922
6927198	3002531249	University of Michigan	6927198	Neec: Flow Structure Interaction: Dam Br	09/12/2012	09/11/2013	10,198	10,384	1,460	9,480	13,892	45,413	149,798	149,798	-0	6927198
6929042	3002883704	University of Michigan	6929042	Neec: Flow Structure Interaction: Dam Br	09/12/2013	09/12/2014	42,945			33,279	24,485	100,709	130,000	100,709	29,291	6929042
6930045	N00014-14-1-0524	Navy - ONR	6930045	Flow Structure Interaction Of A Dam-Brea	05/01/2014	01/31/2015				1,469	823	2,292	100,000	2,292	97,708	6930045
Supervisor Total:							95,309	32,905	6,489	93,564	77,807	306,073	868,341	742,249	126,092	

**Supervisor: Thorsen /Todd A.
P065002 Mech Engineering Research Admin Services**

**Primary and Secondary Volume Report by Supervisor
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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978565	MOU DATED 9/17/04	The University of Singapore	6898076	Sma2-Todd Thorsen-Mst-Flag ship	07/01/2005	06/30/2011	0	0	0	0	0	0	228,535	218,818	9,717	6898076

Supervisor Total: 0 0 0 0 0 0 228,535 218,818 9,717

Supervisor: Tian /Tian

P065006 Mechanical Engineering (Ras) C

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6893520	OA#99020671-CF#19655-CM#PRE	Ferrari S.p.A.	6893520	Developing Optimization Strategy For The	06/01/2002	01/15/2015	0	9,989	3,549	0	7,581	21,120	576,564	546,622	29,942	6893520
6923024	OF-34642	Argonne National Laboratory	6923024	Technologies And Concepts To Reduce The	12/06/2010	12/31/2013	9,740	18,154	6,626	9,620	19,332	63,472	294,956	294,956	0	6923024
6923203	AGRMT DATED 12/17/10	Mazda Motor Corporation	6923203	Developing Knowledge And Computer Models	01/01/2011	12/31/2014	29,304	20,939	7,643	23,590	33,528	115,003	711,905	508,341	203,564	6923203
6928862	4F-30121	Argonne National Laboratory	6928862	Technologies And Concepts To Reduce The	01/01/2014	12/31/2014	12,175	7,148	2,609	11,985	12,282	46,199	101,184	46,199	54,985	6928862
6929034	SUB UNDER DE-SC0009222	Pixelligent Technologies	6929034	Tian: Doe Phase Ii Sbir Of Pixelligent	06/23/2014	12/22/2015						0	51,946	0	51,946	6929034
7277900	MASTER AGREEMENT	Multi-Sponsored Consortium	7277900	Lubrication In Internal Combustion Engin	07/01/1989	01/31/2017	192,136	150,253	54,842	408,281	274,640	1,080,153	12,229,502	11,713,963	515,539	7277900

Supervisor Total: 243,355 206,484 75,270 453,477 347,363 1,325,941 13,966,057 13,110,081 855,976

Supervisor: Triantafyllou /Michael S

P065002 Mech Engineering Research Admin Services

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6896556	PROJ. ACA 926-4101,PAY KEY	BP America, Incorporated	6896711	Nonlinear Model Extraction For Vortex In	09/01/2004	12/31/2008	0	0	0	0	0	0	545,559	545,559	-0	6896711

P065005 Mechanical Engineering (Ras) B

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2740621	CHEVRON-MIT UPP AGR. FOR PD	Chevron Energy Technology Company	6925831	E13 Upp Pdep: Riser Viv Calculation	01/01/2012	06/30/2013	0	0	0	0	0	0	75,485	75,485	0	6925831
6896556	PROJ. ACA 926-4101,PAY KEY	BP America, Incorporated	6919069	A Re-Evaluation Of Riser Fatigue Predict	01/01/2009	12/31/2013	10,771	0	-0	14,387	11,568	36,726	683,973	683,973	-0	6919069
6917480	CW793339 MITEI	Chevron Energy Technology Company	6917480	Mitei: Chevron Mitei Sustaining Member M	10/01/2007	12/31/2014	23,976	50,637	15,834	33,275	42,335	166,058	330,251	309,308	20,943	6917480
6921499	NA10OAR4 170086	U.S. Department of Commerce - NOAA	6928725	Fabricated Equipment - Synthetic Jet Act	10/01/2013	01/31/2015				466		466	5,000	466	4,534	6928725
6922136	A100706	Woods Hole Oceanographic Institution	6922136	Full-Scale Measurement And Prediction Of	01/01/2010	12/31/2013		8,556	727	-534	6,312	15,061	162,669	162,669	-0	6922136
6927128	N00014-13-1-0059	Navy - ONR	6927128	Phd Student Support On Prediction And Ca	01/01/2013	12/31/2014	15,984			11,853	8,951	36,788	70,378	68,258	2,120	6927128
6929384	AGREEMENT DATED 022814	BP America, Incorporated	6929384	Analysis Of Fracture-Induced Dynamics Of	01/01/2014	12/31/2014		23,867	6,683		17,108	47,657	160,000	47,657	112,343	6929384
6929492	AGREEMENT DATED 022414	BP America, Incorporated	6929492	Assessing Bop, Riser, And Casing Respons	01/01/2014	12/31/2014		7,000	595	362	4,456	12,413	95,000	12,413	82,587	6929492
Supervisor Total:							50,731	90,060	23,839	59,809	90,731	315,168	2,128,316	1,905,788	222,528	

**Supervisor: Turitsyn /Konstantin
P065007 Mechanical Engineering (Ras) D**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
2744719	AGREEMENT DATED 10/26/11	NP Org Fund for Dev of Center for Elab & Comm of New Tech	6925978	Modeling And Control Of Power Electronic	06/01/2012	12/31/2015	7,672	5,003	1,826	14,806	12,540	41,847	280,000	193,254	86,746	6925978

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6924432	2010314	MIT - Internal Cost Sharing	6924433	Turbulence In Dilute Solutions: Beyond T	09/01/2011	08/31/2013		6,955	2,539		0	9,494	15,000	15,000	0	6924433
6924432	2010314	U.S.-Israel Binational Science Foundation	6924432	Turbulence In Dilute Solutions: Beyond T	09/01/2011	08/31/2013		10,811	3,946		2,214	16,971	56,886	56,886	0	6924432
6924698	ECCS-1128 437	NSF	6924698	Collaborative Research: Power Grid Spect	10/01/2011	09/30/2014	0	63,966	22,790	747	52,939	140,442	286,524	256,232	30,292	6924698
Supervisor Total:							7,672	86,735	31,101	15,553	67,693	208,755	638,410	521,372	117,038	

Supervisor: Varanasi /Kripa

P065003 King Fahd Univ. Of Petroleum And Mineral

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6925730	R16-Dmn-11 Dust Repellent	06/01/2012	07/31/2015	37,294	64,513	22,784	73,636	89,780	288,007	458,928	462,192	-3,264	6925730
Supervisor Total:							37,294	64,513	22,784	73,636	89,780	288,007	458,928	462,192	-3,264	

Supervisor: Wallace /David

P065003 King Fahd Univ. Of Petroleum And Mineral

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6920071	R11-Dmn-09-2	09/01/2008	07/31/2015	53,644	1,165	0	56,355	35,616	146,780	583,854	560,075	23,779	6920071

P065006 Mechanical Engineering (Ras) C

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6922080	PO 4400368378 LINE 30	Raytheon Company	6928553	Task A6: Application Of Dome Technology	08/28/2013	10/31/2013	0	9,353	3,414	0	7,149	19,915	19,915	19,915	-0	6928553
Supervisor Total:							53,644	10,518	3,414	56,355	42,765	166,695	603,769	579,990	23,779	

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Supervisor: Wang /Evelyn

P065002 Mech Engineering Research Admin Services

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918321	Clean Water 2.1 - E. Wang	09/01/2008	07/31/2011	0	0	0	0	0	0	88,902	88,743	159	6918321

P065003 King Fahd Univ. Of Petroleum And Mineral

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918351	R3-Ce-08-2	09/01/2008	07/31/2013	-1,598	5,688	1,593	4,112	5,572	15,365	860,643	860,643	0	6918351
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6920050	R10-Cw-09: Novel Nanostructured	09/01/2008	07/31/2015	50,882	43,530	15,556	104,663	97,934	312,565	1,056,225	1,064,156	-7,931	6920050
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6920147	Fabricated Equipment-Volumetric Liquid S	07/01/2009	03/31/2011				0		0	4,891	4,891	0	6920147
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6921680	Fabricated Equipment - Rotation Device F	04/01/2010	07/31/2011				0		0	4,011	4,011	0	6921680
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6923791	Temperature/Pressure/Humidity Controlled	04/01/2011	11/16/2011				0		0	16,987	16,987	0	6923791
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6929138	Flow Cell For Water Desalination Fab-E	01/15/2014	07/31/2015				7,530		7,530	8,535	7,530	1,005	6929138

P065004 Mechanical Engineering (Ras) A

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6921346	SUBK 229808 LINE 4-1	Battelle Memorial Institute	6921346	High-Flux Microchannel Cooling With Nano	01/15/2010	12/31/2013	9,740	8,628	2,584	16,307	10,400	47,659	357,666	357,666	0	6921346

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6923929	FA9550-11-1-0059	Air Force Office of Scientific Research - AFOSR	6923929	Advanced Nanostructures For Two-Phase FI	03/01/2011	05/31/2014	23,976	16,531	5,813	47,318	53,555	147,193	360,000	359,197	803	6923929
6925041	DE-AR0000 185	DOE - Office of ARPA-E	6925041	Advanced Thermo-Adsorptive Battery Climate	12/13/2011	12/12/2014	71,320	98,571	35,791	456,842	165,563	828,088	2,131,932	1,752,273	379,659	6925041
6925041	DE-AR0000 185	DOE - Office of ARPA-E	6925046	Arpa E Tt&O Expenses	12/13/2011	12/12/2014				34,433	12,877	47,310	149,611	109,432	40,179	6925046
6925041	DE-AR0000 185	DOE - Office of ARPA-E	6925157	Arpa-E Tt&O Pre-Award Expenses	09/16/2011	12/14/2011				0	0	0	765	765	0	6925157
6925041	DE-AR0000 185	DOE - Office of ARPA-E	6925691	Atb: Pre-Award Costs	12/01/2011	05/31/2012				0		0	45,039	45,039	0	6925691
6925041	DE-AR0000 185	DOE - Office of ARPA-E	6926370	Fabeq: Temperature Controlled Water Bath	07/27/2012	12/12/2014						0	3,560	0	3,560	6926370
6925041	DE-AR0000 185	DOE - Office of ARPA-E	6926782	Fab Eq: Monolithically Integrated Atb	09/01/2012	12/12/2014				80		80	6,000	3,857	2,143	6926782
6925041	DE-AR0000 185	DOE - Office of ARPA-E	6927024	Fabeq: Synvess For Temp Controlled	11/26/2012	12/12/2014				0		0	3,093	2,855	238	6927024
6925041	DE-AR0000 185	MIT - Internal Cost Sharing	6925042	Advanced Thermo-Adsorptive Battery Climate	12/13/2011	12/12/2014		8,121	2,274	0	6,289	16,683	24,278	24,278	0	6925042
6925840	N00014-12-1-0624	Navy - ONR	6925840	Advanced Nanoengineered Thermal Management	05/01/2012	04/30/2015	52,345	14,915	4,176	81,664	66,148	219,248	304,018	310,542	-6,524	6925840
6925840	N00014-12-1-0624	Navy - ONR	6929250	Environmental Chamber	01/01/2014	01/01/2015				43,158		43,158	62,367	43,158	19,209	6929250
6927240	HR0011-13-2-0009	Defense Advanced Research Projects Agency	6927240	Membrane-Enhanced Evaporative Cooling Fo	02/21/2013	02/20/2015	76,338	6,175	1,729	293,241	133,069	510,552	722,006	530,985	191,021	6927240
6929238	TEK-1076-MIT	International Copper Association, Ltd.	6929238	Advanced High Thermal Energy Density Sto	01/01/2014	12/31/2014		28,170	10,282	1,987	4,493	44,931	110,000	44,931	65,069	6929238

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6929687	AGMT #00-100020 62	Electric Power Research Institute	6929687	Nanostructure Enhanced Steam Condensers	03/31/2014	03/31/2015	1,266			402	467	2,135	98,117	2,135	95,982	6929687
6929687	AGMT #00-100020 62	Electric Power Research Institute	6929688	Pre-Contract Cost Child	03/26/2014	03/31/2015		10,025	3,604	325	3,907	17,860	54,100	17,860	36,240	6929688
6929687	AGMT #00-100020 62	Electric Power Research Institute	6930077	Fab Eq: Closed Loop Setup - Condensation	05/01/2014	03/31/2015						0	17,180	0	17,180	6930077

Supervisor Total: 284,269 240,354 83,401 1,092,06 560,274 2,260,35 6,489,928 5,651,935 837,993

**Supervisor: Wierzbicki /Tomasz
P065004 Mechanical Engineering (Ras) A**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6917065	FORD-MIT ALLIANCE AGREEMENT	Ford Motor Company	6925244	Development Of A Computational And Failu	01/02/2012	01/01/2014	5,328	21,846	7,974	0	19,683	54,831	287,011	287,011	-0	6925244
6917065	FORD-MIT ALLIANCE AGREEMENT	Ford Motor Company	6929726	Development Of A Computational And Failu	01/01/2014	12/31/2015	8,074				4,521	12,595	148,337	12,595	135,742	6929726
6923209	MASTER AGREEMENT	Multi-Sponsored Consortium	6923209	Modeling Of Lithium Ion Batteries For Th	01/01/2011	06/30/2014	15,406	8,583	2,337	57,942	37,803	122,072	300,000	295,501	4,499	6923209
6923219	MASTER AGREEMENT	Multi-Sponsored Consortium	6923219	Industrial Fracture Consortium	01/01/2011	06/30/2014	75,653	37,843	9,596	155,270	116,840	395,202	1,320,000	1,320,980	-980	6923219
6926483	24813651	GIE PSA Peugeot Citroen	6926483	Development Of Tools To Predict Fracture	10/01/2012	01/01/2014	21,312	0	0	9,620	11,935	42,866	164,854	164,854	0	6926483
6927621	AGREEMENT DATED 4/25/2013	American Iron And Steel Institute	6927621	Advanced Fracture Modeling Of Light-Weig	01/01/2013	12/31/2013	13,533	4,183	1,171	77,227	49,697	145,811	149,967	149,967	-0	6927621
6929283	UGA-0-4102 9-12	National Renewable Energy Laboratory	6929283	Coupling Of Mechanical Behavior Of Cell	01/29/2014	09/28/2015		31,778	11,599	20	24,291	67,688	200,000	67,688	132,312	6929283

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6929338	MASTER AGREEMENT	Multi-Sponsored Consortium	6929338	Industrial Fracture Consortium	01/01/2014	12/31/2016	5,542	2,000	170	29,023	20,571	57,306	50,000	57,306	-7,306	6929338
6929517	AGREEMENT DATED 01/01/2014	American Iron And Steel Institute	6929517	History Effect On Fracture Under Severe	01/01/2014	12/31/2014		12,480	3,915		9,181	25,576	50,000	25,576	24,424	6929517
6929567	MASTER AGREEMENT- EXP	Multi-Sponsored Consortium	6929567	Li-Ion Battery Consortium	01/01/2014	12/31/2016				10,497	5,878	16,375	0	16,375	-16,375	6929567
Supervisor Total:							144,848	118,714	36,762	339,598	300,401	940,323	2,670,169	2,397,853	272,316	

Supervisor: Winter /Amos G
P065007 Mechanical Engineering (Ras) D

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6926948	2012 CEN 310	Rockefeller Foundation	6926948	Resonating, Viscoelastic Drip Emitters F	11/01/2012	06/30/2014	37,086			45,560	12,397	95,044	100,000	100,000	0	6926948
6927162	MIT ROBOCLAM AGMT DATED 2/1	BlueFin Robotics	6927162	Biomimetic Burrowing And Anchoring Syste	09/01/2012	08/31/2014	10,958			11,644	6,608	29,209	86,471	54,337	32,134	6927162
6927620	AGREEMENT DATED 4/16/13	Jain Irrigation Systems Ltd	6927620	Low-Pressure Drip Emitters For Use In Dr	06/01/2012	08/31/2014	2,145			23,291	2,332	27,767	19,136	27,767	-8,631	6927620
6928823	AGMT. DTD. 10/24/13	Jain Irrigation Systems Ltd	6928823	Low-Cost, Small-Scale Water Purification	06/01/2012	08/31/2014	12,186			24,778	8,601	45,565	104,783	45,565	59,219	6928823
Supervisor Total:							62,374			105,273	29,937	197,585	310,390	227,669	82,722	

Supervisor: Wong /Victor W
P065006 Mechanical Engineering (Ras) C

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6897750	MASTER AGREEMENT	Multi-Sponsored Consortium	6897750	Low Ash Engine Emissions Consortium	05/01/2005	06/30/2017	28,274	14,947	5,456	98,219	42,198	189,093	3,760,556	3,517,049	243,506	6897750
6897750	MASTER AGREEMENT	Multi-Sponsored Consortium	6921868	Fabricated Equipment - Accelerated Dies	04/30/2010	04/30/2015				4,896		4,896	81,275	70,275	11,000	6921868

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6917065	FORD-MIT ALLIANCE AGREEMENT	Ford Motor Company	6925254	Ash Effects On Performance And Service L	01/01/2013	12/31/2014	16,558	44,108	16,099	64,321	63,642	204,729	299,391	243,117	56,274	6925254
6924754	AG2011L045	Infineum USA L.P.	6924754	Ascertaining Lubricant Chemistry Effects	09/01/2011	02/28/2015	0	-674	-246	0	-515	-1,435	175,000	172,557	2,443	6924754
6928178	AGMT DTD 6/28/13	PTT Public Company Limited	6928178	Lubricant Formulations To Enhance Engine	08/01/2013	07/31/2016				9,873	5,529	15,402	375,000	15,402	359,598	6928178
6928491	AGMT DTD 8/1/2013	Lifan Industry (Group) Co., Ltd.	6928491	An Integrated Engine And Vehicle Cooling	09/10/2013	09/14/2015				2,760	1,546	4,306	119,400	4,306	115,094	6928491
Supervisor Total:							44,832	58,381	21,309	180,069	112,399	416,990	4,810,622	4,022,706	787,916	

Supervisor: Yang /Maria

P065003 King Fahd Univ. Of Petroleum And Mineral

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6920072	R11-Dmn-09-3	09/01/2008	07/31/2015	43,927	10,842	1,219	25,391	34,698	116,077	579,486	417,561	161,925	6920072
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6923021	R13-Cw-Yang	08/01/2010	07/31/2015	26,535	24,382	5,288	23,773	34,804	114,783	492,500	264,320	228,180	6923021

P065007 Mechanical Engineering (Ras) D

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6919792	CMMI-0900255	NSF	6919792	Linguistics-Based Preference Information	07/01/2009	06/30/2013	-706	0	0	0	-480	-1,186	319,978	319,978	-0	6919792
6923638	00007481	University of California - Berkeley	6923638	A Study Of Fidelity In Systems Level Des	10/01/2010	09/30/2014	45,664	10,063	2,804	40,637	37,122	136,289	300,000	282,069	17,931	6923638
6924422	CMMI-1130791	NSF	6924422	Collaborative Research: A Framework For	09/01/2011	08/31/2015		4,363	1,178	1,661	4,357	11,559	222,593	11,559	211,034	6924422

Primary and Secondary Volume Report by Supervisor
Department: Mechanical Engineering
Fiscal Period 201412

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6925492	SUB2012-055	University of Alabama in Huntsville	6925492	Informal Representation And Team Decisio	01/01/2012	12/31/2014	0	0	0	0	0	0	139,399	39,399	100,000	6925492
6925492	SUB2012-055	University of Alabama in Huntsville	6927584	Y2 Child: Informal Representation And Te	02/01/2013	09/30/2013	1,211	11,956	3,348	9,188	14,899	40,601	40,601	40,601	0	6927584
6928377	CMMI-1334 267	NSF	6928377	Collaborative Research: Thedesignexchang	08/01/2013	07/31/2016						0	297,755	0	297,755	6928377

Supervisor Total: 116,631 61,606 13,837 100,650 125,400 418,123 2,392,312 1,375,486 1,016,826

Supervisor: Youcef-Toumi /Kamal
P065003 King Fahd Univ. Of Petroleum And Mineral

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
2737789	MODIFIED GRANT AGMT. SIGNED	Kuwait Foundation for the Advancemen t of Sciences	6927685	Development Of An Autonomous Robotic Sys	08/01/2013	07/31/2015	22,012	2,180	610	16,594	13,442	54,838	100,000	54,838	45,162	6927685
3978565	MOU DATED 9/17/04	The University of Singapore	6898077	Sma2-K. Youcef-Toumi-Mst -Flagship	07/01/2005	10/31/2014	0	0	0	0	0	0	457,162	457,162	-0	6898077
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918370	R7-Dmn-08: Multifunctional Sensors	09/01/2008	07/31/2015	69,117	63,976	21,861	72,407	101,264	328,624	1,657,246	1,610,453	46,793	6918370
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6925731	R16-Dmn-11-You cef-Toumi-Dust Repellent	09/01/2011	07/31/2015	54,087	8,536	2,940	96,034	56,828	218,424	572,245	549,166	23,079	6925731
6921916	AGMT DATED 5-21-10, NPRP 08	Qatar University	6921916	Innovative Robot For Ndt Applications In	09/01/2009	09/30/2013	3,943	0	0	0	2,681	6,624	354,047	354,047	0	6921916

Supervisor Total: 149,159 74,691 25,411 185,035 174,214 608,510 3,140,699 3,025,665 115,034

Supervisor: Yue /Dick K. P.
P065005 Mechanical Engineering (Ras) B

**Primary and Secondary Volume Report by Supervisor
Department: Mechanical Engineering
Fiscal Period 201412**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6921658	N00014-10-1-0630	Navy - ONR	6921697	Uncapped: Multiphase Turbulence Modeling	04/01/2010	02/28/2014	8,485	17,974	6,102	4,410	23,488	60,458	500,000	500,000	-0	6921697
6921741	N00014-10-1-0693	Navy - ONR	6921887	Dod Cap - Fy10 Appropriation	04/01/2010	09/30/2013	1,598	269	98	1,717	2,527	6,209	105,869	105,869	-0	6921887
6921741	N00014-10-1-0693	Navy - ONR	6922134	Fabricated Equipment - Small Wave Tank	04/01/2010	09/30/2013				-394		-394	14,131	14,131	0	6922134
6921741	N00014-10-1-0693	Navy - ONR	6925105	Dod Uncapped: Fy11+ Appropriation Funds	04/01/2010	09/30/2013	0	1,505	549	-135	1,397	3,316	365,339	365,339	-0	6925105
6924544	A100847	Woods Hole Oceanographic Institution	6924239	Yue-Who: Unified Four-Dimensional Model	06/01/2011	09/30/2014	3,730	26,547	9,231	8,310	27,433	75,250	470,473	347,969	122,505	6924239
6927487	N00014-13-1-0447	Navy - ONR	6927487	Quantifying Breaking-Wave Dissipation Us	02/01/2013	01/30/2016	33,473	41,864	14,822	24,192	51,276	165,627	225,000	179,736	45,264	6927487
6927580	N00014-13-1-0352	Navy - ONR	6927580	Quantifying The Dynamic Ocean Surface Us	03/01/2013	02/28/2015	25,522	52,317	18,004	21,605	53,672	171,121	300,000	208,306	91,694	6927580
6928000	AGMT DTD 7/23/13	Vector Controls, Inc.	6928000	Sttr: N10A-T036 (Phase Ii) Mitigation O	07/01/2013	08/29/2014	26,640	35,551	12,976	21,605	42,094	138,866	100,000	138,866	-38,866	6928000
6929275	N00014-14-1-0135	Navy - ONR	6929275	Mechanistic Study And Modeling Of Air En	12/15/2013	12/14/2016	24,083	26,003	9,491	19,923	33,845	113,345	175,000	113,345	61,655	6929275
Supervisor Total:							123,531	202,030	71,273	101,234	235,731	733,799	2,255,812	1,973,561	282,251	
Primary Volume Total							5,928,250	6,166,801	1,996,248	11,844,381	10,378,042	36,313,721	182,376,669	158,173,339	24,203,331	

Secondary Volume

**Supervisor: Adams /Edward E
P266300 Mit Sea Grant College Program**

**Primary and Secondary Volume Report by Supervisor
Department: Mechanical Engineering
Fiscal Period 201412**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
2740621	CHEVRON-MIT UPP AGR. FOR PD	Chevron Energy Technology Company	6924086	Chevron Upp: E11 Applying Chemical Di	09/01/2007	12/31/2012	0			-11,322	0	-11,322	135,000	135,000	-0	6924086
6917480	CHEVRON MITEI SUSTAININ G ME	Chevron Energy Technology Company	6925440	Mitei R12: Applications Of Dispersants S	01/01/2012	12/31/2014	10,958			84,250	10,628	105,835	260,000	159,811	100,189	6925440
Supervisor Total:							10,958			72,927	10,628	94,512	395,000	294,811	100,189	

**Supervisor: Armstrong /Robert C
P062000 Chemical Engineering**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6917480	CHEVRON MITEI SUSTAININ G ME	Chevron Energy Technology Company	6917483	Mitei: R8 (R3) Continuous Flow In The Pr	01/01/2008	12/31/2014	34,014	0	0	24,049	19,048	77,111	411,780	374,608	37,172	6917483
Supervisor Total:							34,014	0	0	24,049	19,048	77,111	411,780	374,608	37,172	

**Supervisor: Barton /Paul I
P062000 Chemical Engineering**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6917480	CHEVRON MITEI SUSTAININ G ME	Chevron Energy Technology Company	6917481	Mitei:Ri Evaluation Of Process System Op	01/01/2008	12/31/2011	0	0	0	0	0	0	360,000	360,000	0	6917481
Supervisor Total:							0	0	0	0	0	0	360,000	360,000	0	

**Supervisor: Buonassisi /Anthony
P069700 Lab For Manufacturing & Productivity**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978635	AGMT. DTD. 6/19/08	King Fahd University of Petroleum and Minerals	6918331	Clean Energy 1.1 - Buonassisi	09/01/2008	07/31/2009	0	0	0	0	0	0	116,895	116,895	-0	6918331
Supervisor Total:							0	0	0	0	0	0	116,895	116,895	-0	

**Primary and Secondary Volume Report by Supervisor
Department: Mechanical Engineering
Fiscal Period 201412**

Supervisor: Ceder /Gerbrand

P066000 Materials Science And Engineering

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6925205	3002219006	University of Michigan	6925647	Cerc-Cvc: Ceder Yr 1-2	10/01/2010	03/31/2014	9,990	0	0	4,199	6,044	20,233	98,375	97,143	1,232	6925647
6925205	3002219006	University of Michigan	6929523	Cerc-Cvc, Ceder, Year 3	04/01/2013	03/31/2014						0	29,550	0	29,550	6929523
6925205	3002219006	University of Michigan	6929603	Cerc-Cvc, Ceder, Year 4	04/01/2014	09/30/2015						0	32,143	0	32,143	6929603
Supervisor Total:							9,990	0	0	4,199	6,044	20,233	160,067	97,143	62,924	

Supervisor: Cheng /Wai K

P320000 Mit Energy Initiative

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
9148600	RESEARCH AGREEMENT	DO NOT USE Multi Sponsored Projects-Industrial	9760600	Fabrication Laser Doppler Velocimeter	03/01/1986	10/31/1986				0		0	0	0	0	9760600
9148600	CONSORTIUM FOR ENGINE RESEARCH	Multi-Sponsored Consortium	6891226	Fabrication Of Rapid Compression Machine	08/01/2000	09/30/2001				0		0	29,960	29,960	0	6891226
Supervisor Total:										0		0	29,960	29,960	0	

Supervisor: Chrysostomidis

P266300 Mit Sea Grant College Program

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
2740621	CHEVRON-MIT UPP AGR. FOR PD	Chevron Energy Technology Company	6917479	E6 (Upp Pded) Auv Docking For Offshore A	01/01/2008	12/31/2008				0	0	0	24,606	24,606	-0	6917479
2740621	CHEVRON-MIT UPP AGR. FOR PD	Chevron Energy Technology Company	6925832	E14 Upp Pdep: Fast Cfd With Smooth Profi	01/01/2012	12/31/2014		41,882	7,076		27,416	76,374	131,068	101,514	29,555	6925832
6917480	CHEVRON MITEI SUSTAINING ME	Chevron Energy Technology Company	6917484	Mitei: R4 Acoustic Communications For UI	01/01/2008	06/30/2013		13,899	4,934	8,750	10,547	38,130	370,737	370,737	-0	6917484

**Primary and Secondary Volume Report by Supervisor
Department: Mechanical Engineering
Fiscal Period 201412**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6917480	CHEVRON MITEI SUSTAINING ME	Chevron Energy Technology Company	6917485	Mitei: R5 Auv Docking For Offshore Appli	01/01/2008	12/31/2012	0	0	0	0	0	0	318,809	318,809	0	6917485
6917480	CHEVRON MITEI SUSTAINING ME	Chevron Energy Technology Company	6917654	Fabricated Equipment: Chevron Acoustic R	01/01/2008	06/30/2009				0		0	41,805	41,805	0	6917654
6917480	CHEVRON MITEI SUSTAINING ME	Chevron Energy Technology Company	6921449	Fabricated Equipment - Chevron Atran	01/01/2010	09/30/2012				0		0	98,824	98,824	0	6921449
6917480	CHEVRON MITEI SUSTAINING ME	Chevron Energy Technology Company	6921679	Fabricated Equipment - Odyssey Iv Vehicl	04/01/2010	06/30/2013				0		0	29,818	29,818	0	6921679

Supervisor Total: 0 55,781 12,010 8,750 37,963 114,504 1,015,667 986,113 29,555

**Supervisor: Doyle /Patrick S
P062000 Chemical Engineering**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6924214	CMMI-1120 724	NSF	6924875	Snm: Doyle Child	08/01/2011	08/31/2015	2,365	8,394	2,350	0	7,931	21,041	290,000	50,604	239,396	6924875

Supervisor Total: 2,365 8,394 2,350 0 7,931 21,041 290,000 50,604 239,396

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

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6922491	RF0122424 2	Ohio State University	6923049	Cryogenic Peltier Cooling - Child Millie	09/15/2010	11/15/2014	9,641	21,278	7,577	24,655	33,215	96,365	585,938	399,735	186,202	6923049

Supervisor Total: 9,641 21,278 7,577 24,655 33,215 96,365 585,938 399,735 186,202

**Supervisor: Frazzoli /Emilio
P068700 Lab For Information & Decision Systems**

**Primary and Secondary Volume Report by Supervisor
Department: Mechanical Engineering
Fiscal Period 201412**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6926672	CNS-1239182	NSF	6926783	Lids Expenses: Cps: Synergy:Collaborativ	11/01/2012	10/31/2015	29,411	27,401	8,097	25,076	36,887	126,871	375,000	190,249	184,751	6926783

Supervisor Total: 29,411 27,401 8,097 25,076 36,887 126,871 375,000 190,249 184,751

**Supervisor: Gleason /Karen K
P062000 Chemical Engineering**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
2740621	CHEVRON-MIT UPP AGR. FOR PD	Chevron Energy Technology Company	6917475	E2 (Upp Pdcd) Surfaces To Inhibit Deposi	01/01/2008	12/31/2009	0	0	0	0	0	0	121,972	121,972	0	6917475
6917480	CW793339 MITEI, SO#00150452	Chevron Energy Technology Company	6928390	R13: Surfaces For Reducing Wall Adhesio	06/30/2013	06/30/2014		45,088	16,457	5,892	37,765	105,201	150,000	105,201	44,799	6928390

Supervisor Total: 0 45,088 16,457 5,892 37,765 105,201 271,972 227,173 44,799

**Supervisor: Green /William H
P062000 Chemical Engineering**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978627	KUS-I1-010-01	KAUST Global Research Partnership	6918090	Kaust Prof. William Green	06/01/2008	05/31/2013	0	0		0	0	0	685,291	685,291	-0	6918090

Supervisor Total: 0 0 0 0 685,291 685,291 -0

**Supervisor: Hart /Anastasios John
P069700 Lab For Manufacturing & Productivity**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6926026	G4P-4502144588	Procter & Gamble Company	6928013	Injection Molded Plastic Razor Engineeri	06/01/2012	05/31/2014	26,785			26,837	17,930	71,552	67,459	73,325	-5,866	6928013

Supervisor Total: 26,785 26,837 17,930 71,552 67,459 73,325 -5,866

**Primary and Secondary Volume Report by Supervisor
Department: Mechanical Engineering
Fiscal Period 201412**

**Supervisor: Heywood /John B
P320000 Mit Energy Initiative**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6917480	CW793339 MITEI, SO#150257 28	Chevron Energy Technology Company	6923173	Mitei Rc (Co-Fnd, Multi-Spnsrd); Techfu	12/08/2010	12/31/2014	24,278	29,910	3,957	23,428	30,547	112,119	400,000	313,751	86,249	6923173
7277900	RESEARCH AGREEMENT	DO NOT USE Multi Group Sponsor	6031600	Fabricated Equipment - Test Rig	06/01/1993	03/31/1994				0		0	16,700	16,700	0	6031600
9148600		DO NOT USE Multi Sponsored Projects-Industrial	6103500	Fab Equip/Cold Engine Testing Facility	12/15/1993	12/31/1995				0		0	17,016	17,016	0	6103500

Supervisor Total: 24,278 29,910 3,957 23,428 30,547 112,119 433,716 347,467 86,249

**Supervisor: Hover /Franz S
P320000 Mit Energy Initiative**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6917480	CHEVRON MITEI SUSTAINING ME	Chevron Energy Technology Company	6919015	Mitei: R7 Artificial Gas Lift Safety Val	03/01/2009	12/31/2014	9,804	635	232	8,271	5,928	24,870	342,252	342,252	-0	6919015
6917480	CHEVRON MITEI SUSTAINING ME	Chevron Energy Technology Company	6921495	Fabricated Equipment: Gas Lift Positive	03/01/2010	05/31/2011				0		0	41,533	41,533	0	6921495
6917480	CHEVRON MITEI SUSTAINING ME	Chevron Energy Technology Company	6926789	Fabricated Equipment - Gas Lift Safety V	11/01/2012	12/31/2013				9,111		9,111	12,216	12,216	0	6926789

Supervisor Total: 9,804 635 232 17,382 5,928 33,981 396,000 396,000 -0

**Supervisor: Iagnemma /Karl
P069700 Lab For Manufacturing & Productivity**

**Primary and Secondary Volume Report by Supervisor
Department: Mechanical Engineering
Fiscal Period 201412**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6927536	W31P4Q-13-1-0013	Army Contracting Command - Redstone	6927667	Hamr: lagnemma Child	03/15/2013	03/15/2015	24,447	26,962	7,596	48,337	48,013	155,356	280,423	166,297	114,125	6927667

Supervisor Total: 24,447 26,962 7,596 48,337 48,013 155,356 280,423 166,297 114,125

**Supervisor: Kardar /Mehran
P069850 Materials Processing Center**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6893309	DE-FG02-02ER45977	DOE - Chicago	6924477	Supplement On Near-Field Thermal Radiati	07/01/2011	06/30/2014	13,645	6,446	2,329	19,461	19,399	61,282	196,685	193,292	3,393	6924477

Supervisor Total: 13,645 6,446 2,329 19,461 19,399 61,282 196,685 193,292 3,393

**Supervisor: Lang /Jeffrey H
P267300 Rle - Patterson/Foley Team**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6924165	AGREEME NT DTD 7/26/11	Boston Dynamics, Incorporated	6924777	Advanced Actuators And High -Speed Maneu	04/07/2011	12/31/2013	18,648	14,574	5,319	9,871	24,310	72,722	250,324	250,085	238	6924777

Supervisor Total: 18,648 14,574 5,319 9,871 24,310 72,722 250,324 250,085 238

**Supervisor: Lauffenburger /Douglas A
P069200 Department Of Biological Engineering**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6928039	4500001279	Boston University	6928368	Year 1 Expenses Gertler/Lauffenberger	04/16/2013	03/31/2014	9,740	40,567	13,534	13,789	38,106	115,736	125,738	115,736	10,002	6928368
6928039	4500001279	Boston University	6930177	Year 2 Expenses - Lauffenburger	04/01/2014	03/31/2015						0	110,000	0	110,000	6930177

Supervisor Total: 9,740 40,567 13,534 13,789 38,106 115,736 235,738 115,736 120,002

**Supervisor: Leonard /John J
P067952 Csail - Pi Research**

**Primary and Secondary Volume Report by Supervisor
Department: Mechanical Engineering
Fiscal Period 201412**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6923291	SUBCONT RACT 251192	Battelle Memorial Institute	6928166	Multi-Vehicle Cooperative And Adaptive A	07/01/2013	01/14/2015		40,505	13,896	1,736	28,751	84,888	75,000	84,888	-9,888	6928166
6924993	N00014-12-1-0093	Navy - ONR	6925207	Hover Onr: Michael Kaess Child	01/01/2012	09/30/2013	137	820	299	10,566	6,361	18,183	107,435	107,435	0	6925207
6927542	AGRMT. DTD. 3/7/13	East Japan Railway Company	6927543	Jr East Mit Joint Project On Cloud Stati	04/01/2013	03/31/2015		51,103	17,858	7,351	39,018	115,330	270,000	133,308	136,692	6927543
Supervisor Total:							137	92,429	32,054	19,653	74,129	218,401	452,435	325,630	126,804	

**Supervisor: Marzouk /Youssef M
P061097 Le- Aerofo8**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978627	KUS-I1-010-01	KAUST Global Research Partnership	6920874	Kaust Prof. Youssef Marzouk	06/01/2009	05/31/2015	17,316	0	0	16,682	15,773	49,771	550,000	549,985	15	6920874
Supervisor Total:							17,316	0	0	16,682	15,773	49,771	550,000	549,985	15	

**Supervisor: Nelson /Keith Adam
P152000 Chemistry**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6925786	HDTRA1-12-1-0008	Defense Threat Reduction Agency	6925927	Blast Wave Manipulation Child A	06/01/2012	05/31/2015	15,546	24,548	8,183	14,507	30,350	93,135	200,571	150,467	50,104	6925927
Supervisor Total:							15,546	24,548	8,183	14,507	30,350	93,135	200,571	150,467	50,104	

**Supervisor: Rus /Daniela L
P067952 Csail - Pi Research**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6896321	MIT-BA-GT A-1	Boeing	6899426	D. Rus: Autonomous Snake Robotic Systems	04/01/2006	03/31/2014	0	-252	337	13,226	6,629	19,940	750,240	740,111	10,129	6899426

**Primary and Secondary Volume Report by Supervisor
Department: Mechanical Engineering
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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6896321	MIT-BA-GT A-1	Boeing	6924122	Fab Eq - Soft Robots Driven By Electroma	06/01/2011	03/31/2014				13,875		13,875	49,760	58,900	-9,140	6924122

Supervisor Total: 0 -252 337 27,100 6,629 33,815 800,000 799,011 989

Supervisor: Sadoway /Donald Robert

P066000 Materials Science And Engineering

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
2740621	CHEVRON-MIT UPP AGR. FOR PD	Chevron Energy Technology Company	6917477	E4 (Upp Pded) Extreme Temperature Batter	01/01/2008	06/30/2009		0	0	0	0	0	74,959	74,959	-0	6917477
6917480	CHEVRON MITEI SUSTAINING ME	Chevron Energy Technology Company	6917847	Mitei: R6 Solid-State Battery Developm	03/01/2008	06/30/2009		0	0	0	0	0	74,756	74,756	-0	6917847

Supervisor Total: 0 0 0 0 0 0 149,715 149,715 -0

Supervisor: Sarma /Sanjay E

P069700 Lab For Manufacturing & Productivity

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6927542	AGRMT. DTD. 3/7/13	East Japan Railway Company	6927544	Jr East Mit Joint Project On Cloud Stati	04/01/2013	08/31/2014	23,976	4,530	1,653	22,042	17,134	69,334	60,000	72,095	-12,095	6927544

Supervisor Total: 23,976 4,530 1,653 22,042 17,134 69,334 60,000 72,095 -12,095

Supervisor: Triantafyllou /Michael S

P266300 Mit Sea Grant College Program

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
2740621	CHEVRON-MIT UPP AGR. FOR PD	Chevron Energy Technology Company	6924085	Chevron Upp: E10 Improving The Predictab	09/01/2007	06/01/2014		0	0		0	0	53,932	53,932	0	6924085

Supervisor Total: 0 0 0 0 0 0 53,932 53,932 0

**Primary and Secondary Volume Report by Supervisor
Department: Mechanical Engineering
Fiscal Period 201412**

**Supervisor: Trout /Bernhardt L
P062000 Chemical Engineering**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
2740621	CW819969 UPP-PDEP, SO#15045	Chevron Energy Technology Company	6929725	E17: Understanding Mechanisms Of Anti-Ag	01/01/2014	12/31/2014		20,682	7,549		15,809	44,040	55,000	44,040	10,960	6929725
Supervisor Total:								20,682	7,549		15,809	44,040	55,000	44,040	10,960	

**Supervisor: Varanasi /Kripa
P069700 Lab For Manufacturing & Productivity**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
2740621	CHEVRON-MIT UPP AGR. FOR PD	Chevron Energy Technology Company	6919722	E8 Upp Pdep Seed: Hydrate-Phobic Surface	06/15/2009	12/31/2010	0	0	0	0	0	0	150,000	150,000	-0	6919722
2740621	CW819969 UPP-PDEP, SO # 001	Chevron Energy Technology Company	6924721	P1 Upp Pdep: (E13) Nano-Engineered Surfa	07/01/2011	12/31/2014	37,403	50,446	17,687	43,809	71,224	220,569	602,000	422,583	179,417	6924721
6917480	CHEVRON MITEI SUSTAINING ME	Chevron Energy Technology Company	6924087	Mitei: R10 Hydrate-Phobic Surfaces For F	01/01/2008	12/31/2012	0	0	0	0	0	0	270,000	270,000	-0	6924087
Supervisor Total:								37,403	50,446	17,687	43,809	71,224	220,569	1,022,000	842,583	179,417

**Supervisor: Willcox /Karen E
P061093 Lee-Aerofo4**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6920882	00000272	Brown University	6920918	Willcox Child Account	09/01/2009	08/31/2014	23,675	61,364	20,172	34,249	84,017	223,478	1,000,000	957,378	42,622	6920918
Supervisor Total:								23,675	61,364	20,172	34,249	84,017	223,478	1,000,000	957,378	42,622

**Supervisor: Wong /Victor W
P320000 Mit Energy Initiative**

**Primary and Secondary Volume Report by Supervisor
Department: Mechanical Engineering
Fiscal Period 201412**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id _2</u>	<u>Project Wbs Name _2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpend ed Balance</u>	<u>Project Wbs Id</u>
6897750	MASTER AGREEME NT	Multi-Sponso red Consortium	6914816	Engine Lubricant Component Wear And Fric	05/01/2005	12/31/2008				0		0	76,669	76,669	0	6914816
7277900	MASTER AGREEME NT	Multi-Sponso red Consortium	6885000	Single Cylinder Lubrication Visualizatio	08/31/1999	05/31/2001				0		0	31,696	31,696	0	6885000
Supervisor Total:										0		0	108,365	108,365	0	
Secondary Volume Total							341,777	530,783	167,095	502,696	688,779	2,231,130	11,009,932	9,407,988	1,601,944	
Primary and Secondary Volume Total							6,270,027	6,697,584	2,163,343	12,347,077	11,066,820	38,544,851	193,386,601	167,581,326	25,805,275	