## Capstone Proejct Information Sessions Aug 12-21, 2013

1 1		I	I	Fac /	I	1	1				AUG 20
#	Host	Team Size: Depts.	1	Ind	Faculty Sponsor	Company	Industry Sponsor	INFO SESSION	Location	AUG 20 NETWORKING	presentation in
"	Dept.	Accepted	1 -	Lead	acuity Sponsor	Company	mustry Sponsor	IIVI O SESSIOIV	Location	AOG 20 NET WORKING	100AB Blum
$\vdash$			3D printed implants for precision HDR	Leau	Ken Goldberg,						100AB BIUIII
4	EECS	4: EECS, IEOR, ME		FAC	Animesh Garg			Aug 12, 5:00-5:45pm	100AB Blum		
-	EECS	4. EECS, IEOR, IVIE	Brachytherapy for cancer treatment	FAC				Aug 12, 5:00-5:45pm	100AB BIUIII		
1,,		4 DIOS SECO ME	Besieve and Control of the Biomine His	F 4 C	Homayoon	B Athan distribut		442 5.00 5.45	220 01		
15	ME	4: BIOE, EECS, ME	Design and Control of the Bionics Hip	FAC	Kazerooni	Mitsubishi		Aug 12, 5:00-5:45pm	230 Blum		
ا . ا					Homayoon						
$\vdash$	ME	4: BIOE, EECS, ME	-	FAC	Kazerooni	Mitsubishi		Aug 12, 5:00-5:45pm	230 Blum		
		4: EECS 2, ME 1-2,	In-field monitoring for CO2 enhanced oil			C12 Energy, Engineering					
30	ME	CEE, IEOR, MSE	recovery	IND		Dept.	Tom Hunt	Aug 12, 5:00-5:45pm	130F Blum		
						IIT Kharagpur & all industry					
						partners associated with this		Aug 13 1:30 & Aug 14	203	Aug 20, 5-7pm &	
62	IEOR	3-4: IEOR (2 teams)	The Indian Health Kiosk Project	IND	Donald Wroblewski	project.	Prof. Dhrubes Biswas	9am Drop-In Q&A	McLaughlin	presentation	5:25pm
								Aug 13 1:30 & Aug 14	203		
48	IEOR	3-4: IEOR	Realtime streaming analytics	IND	Donald Wroblewski	GE Software Systems	Alok Batra	9am Drop-In Q&A	McLaughlin		
							Balasubrahmanyam	Aug 13 1:30 & Aug 14	203		
52	IEOR	3-4: IEOR/EECS	Security and Risk Analysis at Yahoo: 3 projects	IND	Don Wroblewski	Yahoo, Identity Management	Chaturvedula	9am Drop-In Q&A	McLaughlin		
$  \  $										Aug 20, 5-7pm (Bill	
			Methods for capturing and analyzing data			Intuit, Technology Innovation	Bill Laaser, Tony Chang,	Aug 13, 12:30-1:20		Laaser, Claude	
36	EECS	4: EECS	from paper receipts	IND		Group	Claude Keswani	panel (Tony Chang)	130F Blum	Kewswani)	
										Aug 20, 5-7pm (Bill	
			New user interaction methods with desktop			Intuit, Technology Innovation	Bill Laaser, Tony Chang,	Aug 13, 12:30-1:20		Laaser, Claude	
40	EECS	4: EECS 3, ME, BIOE	and mobile software applications	IND		Group	Claude Keswani	panel (Tony Chang)	130F Blum	Kewswani)	
-		3-4: IEOR	Vehicle Data Science, Inc.	IND		Novavia Solutions	JD Margulici	Aug 14, 9:00-9:45am	130F Blum	Aug 20, 5-7pm	
			Next Generation Financial Guidance				g				
42	EECS	4: EECS 2, IEOR 2	1	IND		Fidelity Investments	Amanda Chiu	Aug 14, 9:45-10:30am	100AB Blum		
HĨ			Experience a roots cumined a pata priven		David Dornfeld,	ridenty investments	/ unanda oma	7146 2 1, 37 15 2015 64111	100/15 514111		
		4: ME 2, IEOR 1,	Design and Manufacture of Sustainable		Margot Hutchins,	Samsung Electronics, Product		Aug 14, 9:45-10:30am			
17	ME	EECS 1		FAC	Moneer Helu	Innovation Team	Andrew Chang	(Hutchins)	100AB Blum		
1/	IVIL	LLCG I	Froduction systems and consumer Froducts	FAC	IVIONEEN NEIU	Illiovation realii	Andrew Chang	(Hutchins)	100AB BIUIII		
	FFCC		Not Are Internal in Decidet Brownells (F							A 20 F 7 (C::+h	
	EECS,		NetApp Internship Project Proposals (5			l.,				Aug 20, 5-7pm (Sreejith	
39	IEOR	3-4: EECS, IEOR	projects)	IND		NetApp	Manjunath Mittha	Aug 14, 12:50-1:20pm	100AB Blum		
ا ـ ا		4: EECS 1-3, ME,	Wearable Augmented Reality (AR) technology		Avideh Zakor					Aug 20, 5-7pm &	
64	EECS	IEOR, MSE, NE	enablers (5 projects)	IND	(potential)	ARCortex	Yohan Baillot	Aug 14, 12:50-1:20pm	130F Blum	presentation	6:25pm
		4: BIOE1 , EECS 2,	Diagnosing Heart Conditions Using Cloud								
$\rightarrow$	IEOR	ME 1	Based Audio Analysis	FAC	Ikhlaq Sidhu	Eko Devices	Connor Landgraf	Aug 14, 5:30-6:15pm	100AB Blum	Aug 20, 5-7pm	
	EECS,					Bay Area IP Group, LLC,					
27	ME	5: EECS, ME	Humanoid Robot Subsystems (5 projects)	IND		Research Lab	Ariel S. Bentolila	Aug 14, 5:30-6:15pm	130F Blum	Aug 20, 5-7pm	
		3-4: ME 1, IEOR 1,			David Dornfeld,			Aug 14, 5:30-6:15pm			
32	ME	EECS, CEE	Industrial Energy Management	FAC	Moneer Helu	System Insights Inc.	Athulan Vijayaraghavan	(Helu)	230 Blum		
			A best practices/technical solution to provide							Aug 20, 5-7pm &	
2	EECS	4: EECS	offline support for HTML5 apps	IND		Mozilla Corp.	Didem Ersoz	Aug 15, 5:00-5:45pm	Webinar	presentation	6:15pm
			A Firefox OS App that will leverage device							Aug 20, 5-7pm &	
_ 3	EECS	4: EECS	hardware capabilities	IND		Mozilla Corp.	Didem Ersoz	Aug 15, 5:00-5:45pm	Webinar	presentation	6:15pm
П			Crowdsourcing of traffic monitoring and								
			accident reduction/prevention using smart								
14	EECS	4: EECS		FAC	Avideh Zakhor	Qualcomm	Faraz Mirzaei	Aug 19, 12:50-1:20pm	130F Blum	Aug 20, 5-7pm	
П								- ,		- ' '	
					Masayoshi		Alex Minkovich, Jeff				
			Robot Model Generation from CAD to		Tomizuka, George		Hudgens, Kaushik			Aug 20, 5-7pm &	
50	ME	3-4: EECS, ME	Simulink	IND	Anwar	Applied Materials	Mani, Sanggyum Kim	Aug 19, 12:50-1:20pm	100AB Blum		6:05pm
- 50		,	Phage-based E-NOSE sensor matrices for				, 555574111 14111	25, 22.30 1.20piii	_cob blain	p. sociitation	oop
10	BIOE	2	1 -	FAC	Seung-Wuk Lee			Aug 19, 12:50-1:20pm	230 Blum		
40	DICE	-		I'AC		Margolis Lab, UCSF, Dept.		Aug 13, 12.30-1.20βM	230 Bluill		
ا ا	DIOT	4. DIOE 3. 5500 1500	Ocular CellScope: Diagnosing eye diseases	FAC	Daniel Fletcher,		Todd Manacilis	A 10 F-02 F 45	1205 0	A 20 F 7:	
43	BIOE	4: BIUE 2, EECS, IEOR	with a mobile phone	FAC	Franki Myers	Ophthalomology	Todd Margolis	Aug 19, 5:00-5:45pm	130F Blum	Aug 20, 5-7pm	
		4.655.4.2.1.5.4.5	Business for Contratability Co. 1. C. 1.			A to deal Cont 1 177		40 500 5 00			
1	ME		Design for Sustainability Guide Based on Life-			Autodesk, Sustainability	Adam Menter, Allan	Aug 19, 5:00-5:45pm			
		EECS 0-1, IEOR 0-2	Cycle Assessment	FAC	Alice Agogino	Education Program	Velzy, Eric Munsing	(Jeremy Faludi)	230 Blum		

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										Aug 20, 5-7pm &	
		3: BIOE, EECS, ME,			Amy E. Herr/Robert			Aug 19, 5:00-5:45pm		presentation (Amy	
46	BIOE	IEOR	<u> </u>	FAC	Lin			(Robert Lin)	100AB Blum	Herr)	5:15pm
			Creating a Noise Map for the City of Berkeley								
			and Studying Large-Scale Urban Noise								
13	ME	3: CEE, EECS, ME	Mitigation Techniques	FAC	Reza Alam	City of Berkeley (tentative)		Aug 20, 12:50-1:20pm	130F Blum	Aug 20, 5-7pm	
			Design of a commercially viable kinetic energy								
			storage and recovery unit for efficiency								
		4: EECS 1, MSE 1, ME	enhancement in consumer electric and hybrid		Dennis K. Lieu,	Integrated Manufacturing					
19	ME	2	vehicles	FAC	Benson H. Tongue	Group	Allen Timmons	Aug 20, 12:50-1:20pm	230 Blum	Aug 20, 5-7pm	
								, , , , , , , , , , , , , , , , , , , ,		- 0 - 7 - F	
24	ME	4-5: ME 2, EECS 2	EV Charging Design	IND	Alice Agogino	Mercedes-Benz, R&D	Rasheg Zarif	Aug 20, 12:50-1:20pm	100AB Blum		
<u> </u>		, , , , , , , , , , , , , , , , , , , ,	Next Digital: design a next concept of a digital								
			device with a focus on digital-tangible paper								
111	ME	4-5: ME 2, EECS 2	transitions	FAC	Alice Agogino	Samsung Electronics	Anthony Radspieler Jr.	Aug 20, 12:50-1:20pm	100AB Blum		
41	IVIL	4-3. IVIL 2, LLC3 2	transitions	FAC	Alice Agogillo	Samsung Liectronics	Antinony Rauspielei Ji.	Aug 20, 12.30-1.20piii	100AB BIUIII		
							A duine Annaine 16 ton				
		A F. ME 2 MCE 5500	Tonoconity Coft Doboto for NACA NAI	FAC	Alian Annaina	NASA Aman	Adrian Agogino, Vytas	A 20 42-F0 4-20	100AB BI		
61	ME	4-5: IVIE 2, IVISE, EECS	Tensegrity Soft Robots for NASA Missions	FAC	Alice Agogino	NASA Ames	Surispiral, Jodi Lomask	Aug 20, 12:50-1:20pm	TOOAR BIUM		
		2 0105 055 5505			Raja Sengupta, Karl						
_	CEE,	3: BIOE, CEE, EECS,	L		Hedrick, Pieter		L				
23	ME	IEOR, MSE, ME, NE		FAC	Abbeel	3D Robotics	Brandon Basso	Aug 21, 5:00-5:45pm	130F Blum	Aug 20, 5-7pm	
	1		Nano-Patterned Surgical Mesh for Hernia								
38	BIOE	4: BIOE 2-3, ME, MSE		FAC	Song Li	NanoNerve, Inc., R&D	Shyam Patel	Aug 21, 5:00-5:45pm	230 Blum	Aug 20, 5-7pm	
	1	BIOE, CEE, EECS,	Assistive technologies for an aging society:			Siemens Corp., Corporate	Arturo Pizano,				
7	ME	IEOR, MSE, ME, NE	promising technologies and applications	FAC	T.I. Zohdi	Technology	Wendelin Feiten	Aug 21, 5:00-5:45pm	100AB Blum		
			Apps/User Experience Kits for Smartphones			Qualcomm Atheros, Location					
<u>_</u> 6	EECS	2-3: EECS	for Qualcomm Location Technologies	IND		Tech Dept.	Anil Dagar			Aug 20, 5-7pm	
			Improve User Experiences in Indoor			InNav Team, Qualcomm					
29	EECS	4: EECS 3-4, CEE 1		IND		Research Silicon Valley	Jiajian Chen			Aug 20, 5-7pm	
	EECS,					·	Nagendra Prahalad,				
	IEOR,		Predictive Analysis using Berkeley Spark				Muni Xu, Shrinivas				
47	ME	3-5: EECS, IEOR, ME		IND		Cisco	Deshpande			Aug 20, 5-7pm	
<del></del>	EECS,	5 51 22 65, 12 61, 1112	- Indirections			0.500	Nagendra Prahalad,			7.44g 20) 5 7 p	
	IEOR,						Muni Xu, Shrinivas				
L 1	ME	3-5: EECS, IEOR, ME	Search based application	IND		Cisco	Deshpande			Aug 20, 5-7pm	
	EECS	4: EECS 3-4, IEOR	Startup Failure Analysis Platform	IND	Lee Fleming	LaunchPad Central	Kevin Yien			Aug 20, 5-7pm	
30	EECS	4: CEE, EECS, IEOR 2,	Startup Failure Arialysis Platforni	IIND	Lee rieilling	Launchpau Centrai	Keviii fieli				
1,,	NE		Crid Internated Nuclear Days	FAC	Day F. Dataman	Martinghama Nordan	Dania Matria			Aug 20, 5-7pm &	F.FF
26	NE	MSE, ME, NE 2		FAC	Per F. Peterson	Westinghouse Nuclear	Regis Matzie			presentation	5:55pm
	1		Management of Multimodal Travel Corridors			l.,					
			(Phase 2): Demand Management Strategies		l	Alameda County					
l.	l	l	and Dynamic Mobility Applications (DMA) to		Alexander	Transportation Commission /				Aug 20, 5-7pm &	
35	CEE	4: CEE	Mitigate Congestion	FAC	Skabardonis	Hatch Mott MacDonald, Inc.	Raj Murthy			presentation	5:45pm
	1										
	1				Ruzena Bajcsy,	Department of Rehabilitation				Aug 20, 5-7pm &	
60	EECS	3: EECS	Tele-immersion for Physicians	FAC	Gregorij Kurillo	& Medicine, UC Davis	Jay Han			presentation	5:35pm
					Kevin E. Healy,						
			A Novel, Point of Care Low-Cost Approach for		Wesley M. Jackson,	Biomaterials and Tissue					
_ 4	BIOE	4: BIOE, MSE, ME	HIV Monitoring	FAC	Sylvia Natividad	Engineering Laboratory, UCB					
			An Actuated Seafloor Carpet for Broadband								
	1		and High-Performance Ocean Wave Energy								
5	ME	3: CEE, ME		FAC	Reza Alam	American Bureau of Shipping					
	1	4: EECS 3-4, IEOR,	Augmenting Classroom Projectors with			Marvell Semiconductor,					
8	EECS	ME	Collaborative Learning Applications	FAC	Bjoern Hartmann	Kinoma Software Platform	Andy Carle				
げ	1 20	<u> </u>	Big Data; Business Models and Open		,		-,				
۵ ا	IEOR	3-4: IEOR, EECS		FAC	Lee Fleming						
۲	LON	4: BIOE 1-3, EECS 1-	Build a Genome Commons Navigator for	. /	Lee i iciiiiig	TATA Consultancy Services,					
10	BIOE	3, IEOR 0-1	_	FAC	Steven E. Brenner	Innovation Laboratories	Rajgopal Srinivasan				
10	DIVE	3-5: EECS 2-3, IEOR 1-	interpreting reisonal denomes	TAC	Steven L. BIEIIIEI	minovation Laboratories	najgupai si illivasali				
	FF.CC		Duilding Future Multime - 11 - F	INID			Micha Lauba dal				
, 11	EECS	2	Building Future Multimedia Formats	IND	l	Meograph	Misha Leybovich				

## Capstone Proejct Information Sessions Aug 12-21, 2013

	3-4: 1-2 EECS, 1-2					1		
	,	Communication and before the Charles in			Land Baranach Come State			
40,500	IEOR, 1 ME	Communication and Information Sharing in a			Lam Research Corp., Etch			
12 IEOR	(optional)	dynamic Product Organization	IND		Product Group	Linda Braly		
					Quantum Energy Storage			
20 ME	4: IEOR, ME 3	0, 0,	FAC	Hari Dharan	Corporation	Tien Nguyen		
		Develop computationally and experimentally						
		derived predictive tools to estimate functional						
		property of a polymeric implant construct on						
21 BIOE	4: BIOE 2, MSE, ME	the self as f(t)	IND	Kevin E. Healy	Abbott Vascular	Syed Hossainy		
		FastLab: Optimization of Resources, Data						
		Management and Utilization via Software						
	3-4: 1-2 EECS, 2-3	integration, data collection and user interface			Lam Research Corp., Etch			
25 IEOR	IEOR	optimization	IND		Product Group	Linda Braly		
	4: BIOE, CEE, EECS,	Ignition System with Microwave Spark Plug for		R.W. Dibble, J.Y.	Honda Performance			
28 ME	IEOR, MSE, ME, NE	Ultra Lean Combustion	FAC	Chen	Development Inc.	Johnny Wall		
ZOIVIL	4: BIOE 1, EECS 2,	Kinect-based application for clinical	FAC	Cileii	Dept. of Orthopaedic	Joining Wall		
22 145			FAC	Oliver Olpeille		leffeelete		
	ME 1	assessment of joint function	FAC	Oliver O'Reilly	Surgery, UCSF	Jeffrey Lotz		
1 1	4: BIOE, CEE, EECS,	Leak Detection of Natural Gas using Laser		R.W. Dibble, J.Y.				
34 ME	IEOR, MSE, ME, NE	Technology	FAC	Chen	Searchlight Sensors	Daniel B. Oh		
	3: BIOE, CEE, EECS,	Modeling and simulation of industrial energy						
37 ME	IEOR, MSE, ME, NE	systems (2-3 Capstones/8 projects)	FAC	Tarek Zohdi	Siemens Energy Group	Marco Brunelli		
	4-5: BIOE, CEE, EECS,	Optimal Design of the Shapes of the Leading &			Siemens AG, Industry Sector,			
44 ME	IEOR, MSE, ME, NE	Trailing Cars of a High Speed Train	FAC	Philip Marcus	Mobility Division	Andreas Gronza		
		Recycling and Reuse of Pre-lithiated Anodes						
49 MSE	4: IEOR, MSE, ME	for Li-ion Batteries	FAC	Andrew M. Minor				
				Ikhlag Sidhu, Phil				
	3-4: IEOR, all with	Simulated Investment Fund and Technology		Kaminsky, Max Shen,		Blake Woodard,		
53 IEOR	interest	Blindside Strategy Projects - Industry Sector A	FAC	Alper Atamurk	RLF Capital Management	Kourosh Zamanizadeh		
SSILON	interest	billiasiae strategy riojeets illiaastry sector ri	1710	/ iper / turiar k	The capital Management	Rodrosii Zamanizaden		
				Ikhlag Sidhu, Phil				
	3-4: IEOR, all with	Simulated Investment Fund and Technology		Kaminsky, Max Shen,		Blake Woodard,		
F4 IFOR	·		FAC		DI E Canital Management			
54 IEOR	interest	Blindside Strategy Projects - Industry Sector B	FAC	Alper Atamurk	RLF Capital Management	Kourosh Zamanizadeh		
		L		Ikhlaq Sidhu, Phil				
	3-4: IEOR, all with	Simulated Investment Fund and Technology		Kaminsky, Max Shen,		Blake Woodard,		
55 IEOR	interest	Blindside Strategy Projects - Industry Sector C	FAC	Alper Atamurk	RLF Capital Management	Kourosh Zamanizadeh		
				Ikhlaq Sidhu, Phil				
	3-4: IEOR, all with	Simulated Investment Fund and Technology		Kaminsky, Max Shen,		Blake Woodard,		
56 IEOR	interest	Blindside Strategy Projects - Industry Sector D	FAC	Alper Atamurk	RLF Capital Management	Kourosh Zamanizadeh		
				Ikhlag Sidhu, Phil				
	3-4: IEOR, all with	Simulated Investment Fund and Technology		Kaminsky, Max Shen,		Blake Woodard,		
57 IEOR	interest	Blindside Strategy Projects - Industry Sector E	FΔC	Alper Atamurk	RLF Capital Management	Kourosh Zamanizadeh		
37 112011	micerest	Strategies of Storing Wind Energy Produced at	1 // C	Alpei Atamurk	Lawrence Livermore Nat.	Nour OSH ZamanizaGen		
	BIOE, CEE, EECS,	Off-Peak Hours and Generating Electricity at		P.W. Dibble I.V	Lab., Combustion &			
1 50 145			FAC	R.W. Dibble, J.Y.	l '	Daniel I. Flaures		
59 ME	IEOR, MSE, ME, NE	Peak Hours	FAC	Chen	Alternative Fuels Program	Daniel L. Flowers		