

CHEMISTRY			PHYSICS & ASTRONOMY			BIOLOGY		
Mondays, 3:00-4:00 Darwin 107			Mondays, 3:30 Coffee, 4:00 talk Darwin 103			Tuesdays, Noon-1:00 Darwin 103		
9/28	Julie Andersen, Buck Institute for Age Research	The Role of MAO-B in Parkinson's Disease	8/31	Paul Kalas, UC Berkeley	Imaging a Planet Around Fomalhaut Using the Hubble Space Telescope	9/1	Nick Geist, Sonoma State University	Colloquium Coordinator Introductory Meeting
10/12	Dean Tantillo, UC Davis	Weird, Wild Carbocations & Cascade Rearrangements in Terpene	9/14	Thomas Peter Devereaux, Stanford University	Condensed Matter Light Scattering	9/8		Meet the SSU Biology Faculty
10/26	Rebecca Braslau, UC Santa Cruz	How to Detect Poison Oak Oil by Free Radical Reactions	9/21	Anne Metevier, Center for Adaptive Optics at UC Santa Cruz	Cultivating Scientist and Engineer Educators	9/15	Karin Enstam Jaffe, SSU Dept. of Anthropology (Host: Geist)	Got Monkeys? Recent Results From Field & Captive Primate Research
11/9	Matthew Sigman, University of Utah	Palladium-Catalyzed Oxidation Reactions in Organic Synthesis	9/28	Tom Greene, Ames Research Center, NASA	Peeking at the Youngest Stars	9/22	Seth Bigelow, USDF-A-FS Sierra Nevada Research Center (Host: Papaik)	Microclimate Feedbacks to Ecosystem Stability: An Ecolog. View of Contemp. Mgt in Sierran Mixed-Conifer Forest
11/24	Mark Perri, Sonoma State University	Undergraduate Research Projects	10/5	Tom Banks, UC Berkeley	The Rich Physics of Nuclear Muon Capture	9/29	Jose de la Torre, Dept of Biology, SF State University (Host: Cohen)	From the Deep Sea to Yellowstone Hot Springs: Physiology, Diversity & Distribution of Ammonia-Oxidizing Archaea
			10/12	Gibor Basri, UC Berkeley	First Results From the Kepler Mission to Find Earth-Sized Exoplanets	10/6	Patrick Robinson, Dept of Biology, UC Santa Cruz (Host: Crocker)	Exploiting Pelagic Habitat: Navigation, Migration, & Foraging Success in the Northern Elephant Seal
			10/19	Mariska Kriek, Princeton University	Formation and Evolution of Massive Galaxies	10/13	Nature McGinn, Bodega Marine Laboratory (Host: Geist)	Cellular Defenses & Emerging Contaminants: Multidrug Resistance During Early Development in Marine Invertebrates
			10/26	Dana Backman, SOFIA, NASA	SOFIA – The Stratospheric Observatory for Infrared Astronomy	10/20	TBA	
			11/2	John Conway, UC Davis	The Search for the Higgs Boson	10/27	Michael Hedrick, Chair, Dept of Biolog. Sci., Cal State Univ., East Bay (Host: Geist)	Title TBA
			11/9	Jonathan Fortney, UC Santa Cruz	Extreme Planetary Atmospheres	11/3	Michelle Hermiston, UCSF (Host: Lin/Geist)	Title TBA
			11/16	Constance Rockosi, UC Santa Cruz	The Milky Way's Hidden Past	11/10	Fred Griffin, Bodega Marine Laboratory (Host: Geist)	Impacts of Suspended Sediments in SF Bay on the Viability of Pacific Herring Early Life Stages
			11/23	Per Soderlind, Lawrence Livermore National Laboratory	Plutonium, the Most Enigmatic of all Metals	11/17	James D. Moore, Calif. Dept. of Fish & Game/Bodega Marine Lab. (Host: Pillai/Geist)	Abalone Pests & Diseases & Their Impact on Restoration & Recovery Programs
						11/24		Cancelled due to State mandated furlough
						12/1	Linda Pinfold, Deputy Agricultural Commissioner, Solano Co.	Title TBA
						12/8	Tom Buckley, SSU Dept. of Biology	Title TBA

MATH & STATISTICS			COMPUTER SCIENCE			GEOLOGY		
Wednesdays, 3:45 Refreshments, 4:00 talk Darwin103			Thursdays, Noon Salazar 2016			Thursdays, Noon Darwin 128		
9/2	Benjamin Wells, University of San Francisco	The Curious Mascot of the Fusion Project—Meditations on Flexing, Dualizing Ployhedra	9/10	Joe Andresen, SUN Microsystems (JavaFX Core Graphics Team)	Game Engine Architecture and Nvidia PhysX			
9/9	Megan Taylor, Stanford University	From Tsuruda to Sicherman: 11 of the Best Math Problems Ever	9/17	Allan B. Cruse, University of San Francisco	A Dynamic Visualization of Core-2 Interrupts			
9/16	Eric Hsu, San Francisco State University	Why Do We Teach This Stuff Anyway? A Brief History of School Math	9/24	Steve French, Digg, Inc.	Tipping the Scale: Tools & Techniques for Building Scalable Websites			
9/23	Rick Luttmann, Sonoma State Univ.	The Apportionment Problem	10/1	Klaus Roder, IBM Silicon Valley Lab	Mashup Technology in the Enterprise			
9/30	Shobhana Murali, UC Berkeley	Notions of Discrete Curvature, and Their Applications	10/8	Eric Eisenhart, IT, SSU	Email System Architecture			
10/7	Sebastian Marotta, Univ. of the Pacific	Chaotic Dynamics and Fractals	10/15	Mehul A. Shah, Hewlett-Packard	Benchmarking & Designing for Energy Efficiency : How to Break a World Record in 30 Days	<b>ENGINEERING SCIENCE</b>		
10/14	Jennifer Mogel, San Jose State & UC Santa Cruz	Dade's Ordinary Conjecture	10/22	V. Scott Gordon, CSU, Sacramento	Recursion Without Fear	<i>Alternate Thursdays, 4:30-5:30 Salazar 2009A</i>		
10/21	Bruce Cohen, Lowell High School & David Sklar, SF State University	Growing Polya's Orchard	10/29	David Singer, IBM Almaden Research Center, San Jose	When Your Coworders Might be Virtual	9/3	Joel Dunsmore, R&D Fellow, Agilent Technologies	Modern Methods for Testing RF Components
10/28	Gail Burrill, Michigan State Univ.	Proof, Reasoning & Tech: The Mast Problem & Other Interesting Tasks	11/5	Jason Shankel, Stupid Fun Club	Generative Storytelling for Games	9/17	Venkat Anatharam, EECS Dept., UC Berkeley & IEEE Fellow	Breaking the Error Floor of LDPC Codes
11/4	Jennifer Chubb, Univ. of San Francisco	Unsolvability in Mathematics	11/12	Eugenia Caldwell, IBM Innovation Ctr., San Mateo	If You Know Oracle, You Know DB2 9.7	10/1	Mike Powers, Manager, Agilent Tech.	MEMS In The 21 <sup>st</sup> Century
11/18	Neville Robbins, SF State University	Partitions	11/19	Cheryl Jerozal, Atlassian, San Francisco	Agile Software Development	10/15	Jim Sackman, VP of Access Developmt. Strategy, Tellabs	Deep Packet Inspection, Net Neutrality and You
12/2	Warren Schonfeld, Santa Rosa Jr. College	Grading on a Curve – And Other Tools for Using Math to Teach Math Classes	11/26		Thanksgiving – No Lecture	11/5	Matt Birdsall, Cardio Vascular S&T Dir. Of Engineering & Bakkan Fellow, Medronic	Trends in Cardiovascular Devices
			12/03	Student Presentations	Short presentations of research carried out by SSU CS students	11/19	Shally Saraf, ES Dept., SSU	Recent Advances in Solid-State Laser Technology
			12/10	End of Semester Celebration	Awards presented to SSU CS majors	2/04/2010	Avideh Zakhor, EECS Dept., UC Berkeley	Fast, Automated, Photo-realistic Modeling of Large Scale Indoor & Outdoor Environments
						2/18	Ken Wong, Manager, Agilent Tech.	From Nano to Giga, Measurement Technologies & Us
						3/04	Hamid Mahmoodi, EE Dept., SF State Univ.	IC Design Challenges in Nano-Scale Era: Technology & Circuits Perspective
						3/18	Ruzena Bajcsy, EECS Dept., UC Berkeley	Performance Evaluation & Optimization of the Teleimmersion System
						4/1	Andrea Goldsmith, Stanford Univ. & IEEE Fellow	The Next Wave in Wireless Technology: Challenges & Solutions
						4/15	Hongtao Shi, Physics Dept., SSU	Nanostructures Through Electro-Deposition