

**Program for Crossroads of Earth Resources and Society**  
**Vision Quest Student Research Symposium**  
Earth and Planetary Science 170 AC and Letters and Science 170AC (American Cultures)  
**Room 141 McCone Hall**  
Class web site: [http://eps.berkeley.edu/~brimhall/EPS170AC\\_LNS170AC/Website.htm](http://eps.berkeley.edu/~brimhall/EPS170AC_LNS170AC/Website.htm)

This is the format for our Program for talks in 2008. The Program for 2009 will look similar but will be revised for the talk titles selected by the students in this year's class.

**SATURDAY**

**8:00-8:12** George Brimhall: Welcome

**Global and Regional Impact of Resource Shortage and Climate Change**

**8:12-8:24** Giancarlo Cretaro: "Resource Wars: Past, Present, Future" **T1**

**8:24-8:36:** Lauren DiPerna: "Without the Lawn: How to have a Greener Campus." **T2**

**8:36-8:48** Dongmiao Cui: "Project Title: Avoiding International Conflicts in the US's Process of Achieving Energy Security" **T3**

**8:48-9:00** Eamon O'Connor and Scott Cosca: "Hyper-Utilitarianism: Agriculture and Counter-Culture" **T4**

**Present Financial Crisis and Corporate Responsibility**

**9:00-9:12** Josh Garrett : "Restoring Economic Confidence" **T5**

**9:12-9:24** Shoaib Bharmal: "The Auto Industry: An Analysis of the Bailout for the Big 3" **T6**

**9:24-9:36** Alysha Stein-Manes: "Reconciling Oil Profits and Corporate Social Responsibility: The Case of *Bowoto v. Chevron Corporation*" **T7**

**9:36-9:48** Gary Chan and Lingmiao Wan: "Privatization: Its Extent and its Values" **T8**

**9:48-10:00** Daniel Kuenzi: "The Rise and Influence of Corporate Social Responsibility" **T9**

**10:00-10:24 Morning Break in 345 and 325 McCone Hall**

**10:24-10:36** Joey Chua: "Are corporations responsible for "atrocities" in sweatshops?" **T10**

**10:36-10:48** Jacob Polin: "Market Based Approaches to Combating Global Warming" **T11**

**10:48-11:00** Yann Panassié: "Corruption Within Corporations" **T12**

**11:00-11:12** Whitney Ramos: "Universities and Socially Responsible Investing" **T13**

**Alternative Energy to Fossil Fuels and Technology**

**11:12-11:24** Sanji Yapa: “The Technological Singularity and its Potential Impact on Ecological Issues” **T15**

**11:24-11:36** Ka Laam Thierry Chan “Hydrogen fuel cell as a replacement for oil?” **T16**

**11:36-11:48** Naomi Lew” “Sexing Up the Electric Car: The Policies and Corporations Behind a Flagging Industry” **T17**

**11:48-12:00** Anh-vu Doan: “Analysis of Asymptotic Change in Climate Dynamics: Applications to Society” **T18**

**12:00- 1:12 Lunch**

**1:12-1:24** Christian Lazzarini: “Initiatives for Solar Power” **T19**

**1:24-1:36** Ronny Clausner: "Is the Ocean a viable source of energy?" **T21**

**1:36-1:48** Colin Hurlbut and Reese Iyer: “Wind Energy’s viability as an Alternative Energy Source and its Application to Transportation” **T22**

**1:48-2:00** Ryan D’Costa: “Wind turbines: Potential to Power the Future?” **T23**

**2:00-2:12** Katelyn Bailey: “Medias Impact on Society: Why are we afraid of nuclear power?” **T24**

**2:12-2:24** Steven Tecson and Jesse Meyer: "Nuclear Energy: Investigating Perception of Nuclear Power in California." **T25**

**2:24-2:36** Rene Huang (Tarring): “Re-examining our relationship with technology and society” **T26**

**2:36-2:48** Kelsey Pecherer: “The Ethanol Myth and the Misallocation of Resources: What went wrong and what can we learn from it? ” **T27**

**2:48-3:00** Tyler Morrow: “Popping the Ethanol Facts: Is the Corn Based Bio-Fuel America’s Answer to Lowering CO2 Emissions and Reduce our Dependency on Foreign Oil?” **T28**

**3:00-3:24 Afternoon Break** in **345** and **325 McCone Hall**

**3:24-3:36** David Olmos and Jeff Ng: "Neutralizing The Nuclear Nuisance: Make Haste To Contain The Waste" **T29**

**3:36-3:48** Frank Liu: “Improving on Efficiencies of Existing Technology: A Materials Standpoint” **T30**

**3:48-4:00** Donald Pan, Ivan Tiet, and Jasmine Hudson: “The New American West – Mining the Moon” **T31**

**Tribal, Recreational, Environmentalism and Land Management Issues**

**4:00-4:12** Juliana Spector: “The Miwok and Paiute Indians of Yosemite Valley: Relations with and Misrepresentation by the National Park Service” **T32**

**4 : 12 – 4 : 24** Celeste Sandoval: “The Science Education Gap in America and its Effect on Preparing Future Generations for the Global Climate Crisis” **T33**

**4:24-4:36** Heather Camara and Lucy Jane Daniels: “Yosemite National Park: The Imminent Effects of Climate Change” **T34**

**4:36-4:48** Kristina Moreno: “Upper Truckee River Watershed Restoration in the Lake Tahoe Basin” **T35**

**4:48-5:00** Amelia Whitson: "Coastal Landscape Management: A Day at the Beach?" **T36**

**5:00-5:12** Daniel Ju: "The Effects of Pollution on America's Deserts" **T37**

**5:12-5:24** Amber Jackson: "Misuse of land in the San Onofre State Park: and its effects on the environment" **T39**

**5:24-5:36** Justin Chubb and Rachel Lurya: "The Green Side of the Mountain: How to Reduce the Environmental Impacts of Ski Resorts." **T40**

**5:36-5:48** Melissa Chun: "Harmful Hash: The Ecological Damage due to the Cultivation of Cannabis" **T41**

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## **SUNDAY**

### **American Influence and Leadership on World Peace**

**8:00-8:12** Janice Ang and Jane Soong: "Veteran's Perspective" **T42**

**8:12-8:24** Madelaine Batac: "Democracy and the American Dream: Examining society's reactions to the election of Barack Obama as the 44<sup>th</sup> President of the United States" **T43**

**8:24-8:36** Kristina Thesken: "How to become President Tackling the myth of "unattainability" for this and other high-power positions key to crafting our future" **T44**

### **Water Resource Quality and Supply**

**8:36-8:48** Michael Strangio: "The Human & Environmental Impacts of the San Francisco Bay Oil Spill" **T45**

**8:48-9:00** Jarrett Streebin, and Hunter Philson: "Until the River Runs Dry" **T46**

**9:00-9:12** Thysa Lestari: "Indonesia: Who Has the Right to Clean Water?" **T47**

**9:12-9:24** Nina Fitch and Scott Stromberg: "Water, Water, Everywhere and Not a Drop to Drink, Desalination, and the Controversy in San Diego" **T48**

**9:24-9:36** Colin McNeece and Adam Casias: "Water Rights and Pollution in the Imperial Valley" **T49**

**9:36-9:48** Brentt Blakkan" "Of plastics and painkillers: The Microscopic Return of Our Modern Lifestyles" **T50**

### **Ethics, Religion, Population, and Values**

**9:48-10:00** Tsan Saelee, Brian Fong, and Van Vuong: "Get 'em When they're Young" **T51**

**10:00-10:24** **Morning Break** in **345** and **325 McCone Hall**

**10:24-10:36** Terza Brostoff and Raul Lopez: Losing Nemo: Human Effects on Coral Reefs **T52**

**10:36-10:48** Natasha Wenzel: "'Broken Pieces: The Legacy of Confrontation at Tule Lake" **T53**

**10:48-11:00** Hardev Chhokar: "2031 Bush Street: Finding Cultural Enlightenment in an "Ordinary" Place" **T54**

**11:00-11:12** Nicole Loya Talamantes: “Environmental Slavery: Environmental injustices imposed and proposed on Federal Indian land” **T55**

**11:12-11:24** Babak Biglari: “The negative effect of religion in policy making” **T56**

**11:24-11:36** Rose Endean: “A Bill of Rights for Nature: In the aftermath of the Rainforest Chernobyl” **T57**

**11:36-11:48** Brighton Lynsco Kimbell: “Herbal Medicine in the bay area, exploring our relationships to land” **T58**

### **Food, Organic Farming and Marketing:**

**11:48-12:00** Michael Fong: “The Viability of Eating Locally” **T59**

**12:00-12:12** Shauna Seager: “Community Supported Agriculture” **T61**

**12:12-1:24** **Lunch**

**1:24-1:36** Hugo Sanchez: “Feasibility of Space Based Solar Energy” **T60**

### **Education, Media, and Sustainability**

**1:36-1:48** Jennifer Power: “Reforming Science Education for the Future” **T62**

**1:48-2:00** Annie Rakich: “Pixar Films: Exposing the Younger Generation to the Environmental Revolution through the Entertainment Medium” **T64**

**2:00-2:12** Noah Grant: “Overpopulation and the American Dream: When Starting a Family Becomes a Selfish Notion” **T65**

**2:12-2:24** Jason Dungca: “Math Instruction: How can we, as a society, improve how we educate future generations, specifically K-8 students, in the mathematics field?” **T66**

**2:24-2:36** Robin Katz: “What Disney Teaches Youth about Society and Science” **T67**

**2:36-2:48** Lisa Modenbach: “Even Flow: Guiding Walnut Creek Toward A Sustainable Future” **T68**

**2:48-3:00** Viola Tang: “The Role of the Media in Antagonizing the East-West Conflict” **T69**

**3:00-3:24** **Afternoon Break** in **345** and **325 McCone Hall**

**3:24-3:36** Young Pyo Hong: “K-12 reformation: reforming high school education” **T70**

### **Environmental and Bio-Engineering Aspects**

**3:36-3:48** Diana Lara: “Conserving California’s Coast” **T38**

**3:48-4:00** Jennifer Cherone: “Synthetic Biology: A Growing Field on the Cusp of Two Generations” **T71**

**4:00-4:12** David Belt: “The Future of Algae Oil in the World Today” **T72**

**4:12-4:24** Giedre Novikaite and Karolina Novikaite: “Algae Bio-fuel And It’s Relevance In Today’s World” **T73**

**4:24-4:36** Ilda Maria Cardenas: “Is going green the answer? The Green Revolution, its advantages and Disadvantages” **T74**

**4:36-4:48** Michelle Choiselat:n: “Microbial fuel cells: it’s alive!” **T75**

**4:48-5:00** Ashley Thompson: “ Genetically racing with our Earth” **T76**

### **Green Architectural Design, Public Transportation, and Better Living**

**5:00-5:12** Alexander Lam and Akshay Nathawat: “Building a Sustainable Future: The Need for Green Architecture to Reduce Energy and Resource Consumption” **T77**

**5:12-5:24** Michael Carwin and Myra Anderson: "Abstract Architecture" **T78**

**5:24-5:36** Andrew Dussault: “Subterranean Development and Sustainability” **T79**

**5:36-5:48** Richard Alex Klevan: “The Production, Reduction, and Reclamation of Waste in America and implications for the Future” **T80**

**5:48-6:00** Laramie Martinez: “Minority Green Industry” **T81**

**6:00-6:12** Russell McArthur and Min Young Lee: “Attitude Adjustment: Societies Future Riding on Transportation Infrastructure Development” **T82**

**6:12-6:24** Nica Powell: “Divided City: Social and Economic effects of the 580 Freeway project on the city of Oakland” **T83**

**6:24-6:36** William Wheeler: “Economic feasibility and possible implementations of photovoltaic Technologies” **T84**