



**MS PHD'S in Earth System Science  
Professional Development Program  
2009 Phase I Agenda  
\*Events subject to change**

Friday, December 11, 2009	
Various Times	<p><b>MS PHD'S Participants &amp; Mentors Arrive at Beresford Arms Hotel</b> (701 Post Street, San Francisco, CA 415.673.2600, <a href="http://www.beresford.com">www.beresford.com</a>)</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Room Check-in</li> <li><input type="checkbox"/> Registration material distribution</li> </ul>
3:00 pm - 3:45 pm	<p><b>Dream Team Meeting</b> Facilitated by Dr. Johnson, Dr. Williamson Whitney and <i>MS PHD'S</i> staff Beresford Arms Hotel (Parlor Suite)</p>
4:00 pm - 4:45 pm	<p><b>Mentor Orientation</b> Facilitated by Dr. Williamson Whitney Beresford Arms Hotel (Parlor Suite)</p>
5:00 pm - 5:45 pm	<p><b>MS PHD'S Professional Development Program Overview</b> Facilitated by Dr. Williamson Whitney Beresford Arms Hotel (Parlor Suite)</p>
5:45 pm - 6:15 pm	<p><b>MS PHD'S PDP Orientation by Dream Team</b> Beresford Arms Hotel (Parlor Suite)</p>
6:15 pm - 7:00 pm	<p><b>MS PHD'S Participants' Ice Breaker</b> Beresford Arms Hotel (Parlor Suite)</p>
7:00 pm - 7:15 pm	<p><b>MS PHD'S Participants' Mentor Introductions and Reflections</b> Beresford Arms Hotel (Parlor Suite)</p>
7:15 pm - 8:30 pm	<p><b>Dinner</b> Beresford Arms Hotel (Parlor Suite) <i>Mentors facilitate individual group discussions and review personalized AGU Itineraries</i></p>
Saturday, December 12, 2009	
7:30 am	<p><b>Depart from Beresford Arms Hotel</b></p>
8:30 am - 12:30 pm	<p><b>California Academy of Sciences (CAS) Tour</b> 55 Music Concourse Drive, Golden Gate Park, San Francisco, CA 94118 (<a href="http://www.calacademy.org/research/izg/izgresearch.htm">www.calacademy.org/research/izg/izgresearch.htm</a>, 415-379-5258) Dr. Jean F. DeMouthe, Senior Collections Manager, will provide tours.</p>
12:30 pm - 1:00 pm	<p><b>Depart CAS to Fisherman's Wharf</b> Pier 39, Embarcadero at Beach Street, San Francisco, CA 94133</p>
1:00 pm - 2:00 pm	<p><b>Lunch "on your own"</b> Nearby restaurants at Fisherman's Wharf <i>Participants eat with someone they do not know</i></p>
2:00 pm - 3:00 pm	<p><b>Aquarium of the Bay Self-Guided Tours</b> Two groups: Group 1 from 2:00 - 2:20, Group 2 from 2:20 - 2:40 Pier 39, Embarcadero at Beach Street, San Francisco, CA 94133 (<a href="http://www.aquariumofthebay.com">www.aquariumofthebay.com</a>, 415-623-5300)</p>
3:00 pm - 4:30 pm	<p><b>Tour Fisherman's Wharf</b> Pier 39, Embarcadero at Beach Street, San Francisco, CA 94133</p>

4:30 pm - 5:30 pm	<b>Return to Beresford Arms Hotel</b>
5:30 pm - 7:30 pm	<b>Cooking and Music Preparation</b>
7:30 pm - 10:00 pm	<b>Multi-cultural Food Festival</b> Beresford Arms Hotel (Parlor Suite)
<b>Sunday, December 13, 2009</b>	
5:45 am	<b>Depart from Beresford Arms Hotel for Moss Landing Marine Laboratories</b> ( <a href="http://www.mlml.calstate.edu">www.mlml.calstate.edu</a> ) Sponsored by Consortium for Ocean Leadership ( <a href="http://www.oceanleadership.org">www.oceanleadership.org</a> ) <b>Bus leaves promptly at 6:00 am - Please do not be late.</b> Bagged breakfast provided courtesy of Ocean Leadership
8:00 am -10:00 am	<b>Tour Moss Landing Marine Laboratories</b> Conducted by Dr. Ivano W. Aiello ( <a href="http://geooce.mlml.calstate.edu/iaiello">http://geooce.mlml.calstate.edu/iaiello</a> ) Sponsored by the US Science Support Program at the Consortium for Ocean Leadership ( <a href="http://www.oceanleadership.org/usssp">www.oceanleadership.org/usssp</a> )
10:00 am - 1:00 pm	<b>Tour Monterey Bay Aquarium Research Facilities and Research Vessel</b> ( <a href="http://www.mbari.org">www.mbari.org</a> ) Bagged lunch provided courtesy of Ocean Leadership
1:00 pm - 3:00 pm	<b>Tour Elkhorn Slough Nature Reserve</b> ( <a href="http://www.elkhornslough.org">www.elkhornslough.org</a> )
3:00 pm - 5:00 pm	<b>Return to Beresford Arms Hotel</b>
5:00 pm - 5:30 pm	<b>Prepare for AGU Ice Breaker</b> Participants change attire and travel to Moscone Convention Center
5:30 pm - 6:00 pm	<b>Pick up AGU Meeting Materials</b> Moscone West Main Level
6:00 pm - 7:00 pm	<b>AGU Ice Breaker</b> Moscone West, Registration Area
7:00 pm - 7:30 pm <i>MS PHD'S</i> Mentor-Mentee Activity	<b>AGU Science Meeting Mentors-Mentee Pair Introductions</b> Moscone West, Registration Area
7:30 pm	<b>Dinner "on your own"</b> Nearby restaurants <i>Participants eat with someone they do not know</i>
<b>Monday, December 14, 2009</b>	
8:00 am - 6:00 pm	<b>AGU Presentations</b>
8:00 am - 12:00 pm <i>MS PHD'S</i> Participant Presentation	<b>"Statistical Relationships between the El Nino Southern Oscillation, the North Atlantic Oscillation, and Winter Tornado Outbreaks in the U.S."</b> Poster Presentation - <i>MS PHD'S</i> Dream Team Member Ashton Robinson Cook Poster Hall (Moscone South) ID# A11A-0079
10:20 am <i>MS PHD'S</i> Mentor Session	<b>AGU/ <i>MS PHD'S</i> Session IN12A GIScience I</b> Chair: Olga Wilhelmi Chair: Dr. Benjamin Dewayne Branch, <i>MS PHD'S</i> Mentor 102 (Moscone South)
12:30 pm - 1:30 pm	<b>Communicating With Congress Workshop and Luncheon</b> Learn how to get involved politically at this luncheon workshop. <u>Lunch will be served, but space is limited.</u> No advance registration required. Moscone Convention Center South 270–272

12:00 pm - 1:00 pm <i>MS PHD'S</i> Mentor-Mentee Activity	<b>AGU Science Meeting Mentors-Mentee Pair Introductions</b> Student Lounge at the Career Center, Moscone Center Exhibit Hall
3:00 pm - 5:45 pm <i>MS PHD'S</i> Professional Development Activity	<b><i>MS PHD'S</i> Student Participants' Self-Introduction Presentations</b> Beresford Arms (Parlor Suite)
6:15 pm - 7:15 pm	<b>Frontiers of Geophysics Lecture</b> Marcia McNutt, Director, United States Geological Survey Moscone South, Rooms 302–310
7:30 pm - 9:00 pm	<b>NSF Directorate for Geosciences Community Meeting</b> The NSF Geosciences Directorate invites you to a community meeting to discuss potential research opportunities as well as the newly released strategic planning document from the NSF Advisory Committee on Geosciences, GEO Vision: Unraveling Earth's Complexities Through the Geosciences. <i>http://www.nsf.gov/geo/acgeo/geovision/start.jsp</i> San Francisco Marriott Marquis (55 Fourth Street), Pacific H Room Hors D'oeuvres, Cash Bar
7:30 pm - 8:00 pm <i>MS PHD'S</i> Mentor-Mentee Activity	<b>AGU Science Meeting Mentors-Mentee Pair Introductions</b> *Session is for mentors/mentees who were not introduced during earlier sessions Moscone Center (Room TBA)
8:30 pm	<b>Dinner "on your own"</b> Nearby restaurants <i>Participants eat with someone they do not know</i>
<b>Tuesday, December 15, 2008</b>	
6:45 am - 7:45 pm	<b>Student Breakfast with AGU Council</b> All students registered for the meeting are welcome at a complimentary breakfast. Take advantage of the opportunity to meet AGU leadership and staff and learn about the future course of the Union and its programs. This program has been made possible by generous support from Chevron, ExxonMobil Corporation, and Swiss Reinsurance. <i>It's a splendid opportunity to meet fellow students and future colleagues!</i> Intercontinental Hotel Grand Ballroom
8:00 am - 6:00 pm	<b>AGU Presentations</b>
9:46 am - 10:00 am <i>MS PHD'S</i> Alumni Presentation	<b>"How will Primary and Secondary Organic Mixtures Impact CCN?"</b> Oral Presentation - <i>MS PHD'S</i> Alumni Dr. Akua Asa-Awuku 3006 (Moscone West) ID# A21H-08
12:30 pm - 1:30 pm	<b>Learn How to be a Congressional Science Fellow or Mass Media Fellow Luncheon</b> A panel of fellows shares their experiences and advice with you at this luncheon workshop. <u>Lunch will be served, but space is limited.</u> No advance registration required. Moscone Convention Center South 270–272
1:40 pm <i>MS PHD'S</i> Participant Presentation	<b>"Resistivity and Conductivity Studies of the Rattlesnake Springs, New Mexico Watershed"</b> Poster Presentation - <i>MS PHD'S</i> Cohort VII Mentee Claudia Santiago Poster Hall (Moscone South) ID# NS23A-1121

4:00 pm - 6:00 pm	<p><b>Providing Climate Policymakers with a Strong Scientific Base</b>  Topics include the role of the National Academy of Sciences in supporting climate decision makers, changes in the perceived risk of climate change due to evidence from sudden climatic events, and the perspective of a young scientist on Capitol Hill from Maggie Walser, AGU's 2008–2009 Congressional Science Fellow.  Moscone Convention Center West 3001</p>
6:30 pm - 7:30 pm	<p><b>Dinner and Reflective Activities</b>  Beresford Arms Hotel (Parlor Suite)</p>
7:30 pm - 8:30 pm <i>MS PHD'S</i> Professional Development Activity	<p><b>Poster Development Session</b>  Facilitated by Dr. Williamson Whitney and Allyson Fauver (IBP)  Beresford Arms Beresford Arms (Parlor Suite)</p>
<b>Wednesday, December 16, 2009</b>	
8:00 am - 6:00 pm	<b>AGU Presentations</b>
12:30 pm - 1:30 pm	<p><b>Career Opportunities Networking Lunch</b>  Sharpen your networking skills and win a Flip camera! Discuss career possibilities with scientists and employers in sectors other than academia.  <u>Seating is limited; the first 250 students to collect a ticket from the Career Center beforehand will be admitted.</u> This program has been made possible by generous support from Chevron, ExxonMobil Corporation, and Swiss Reinsurance.  InterContinental Hotel Grand Ballroom</p>
3:00 pm - 5:00 pm <i>MS PHD'S</i> Professional Development Activity	<p><b>Reflective Exercises Session</b>  <b>Facilitated by Dr. Williamson Whitney</b>  Learning styles, leadership traits, personality types &amp; community building activities (introductions by resumes, team building exercises)  Beresford Arms (Parlor Suite)</p>
5:00 pm - 6:00 pm <i>MS PHD'S</i> Professional Development Activity	<p><b>Curriculum Vitae Development Session</b>  <b>Facilitated by Dr. Williamson Whitney</b>  Beresford Arms Beresford Arms (Parlor Suite)</p>
6:00 pm - 7:00 pm	<p><b>Dinner and Reflective Activities</b>  Beresford Arms Hotel (Parlor Suite)</p>
7:00 pm - 8:00 pm <i>MS PHD'S</i> Mentoring Activity	<p><b><i>MS PHD'S</i> Women's Discussion</b>  "Our Voices: Affirming and Empowering Sisters"  Beresford Arms (Parlor Suite)</p>
7:00 pm - 8:00 pm <i>MS PHD'S</i> Mentoring Activity	<p><b><i>MS PHD'S</i> Men's Discussion</b>  "Our Voices: Affirming and Empowering Brothers"  Beresford Arms (Warner Ithier Guzman's Room)</p>
<b>Thursday, December 17, 2009</b>	
8:00 am - 6:00 pm	<b>AGU Presentations</b>
8:00 am - 12:20 pm <i>MS PHD'S</i> Director Session	<p><b>AGU/<i>MS PHD'S</i> Session ED41D: The Commitment to Diversity in Earth System Science: Using Scientific Opportunity to Meet Global Needs</b>  Chair: Dr. Ashanti Johnson, <i>MS PHD'S</i> Program Director  Chair: Dr. Vivian Williamson Whitney  Poster Hall (Moscone South)</p>

8:00 am <i>MS PHD'S</i> Co-Director Presentation	<b>"Design, Implementation and Impact of the <i>MS PHD'S</i> Professional Development Program"</b> Poster Presentation - <i>MS PHD'S</i> Co-Director Dr. Vivian Williamson Whitney Poster Hall (Moscone South) ID# ED41D-0543
8:00 am <i>MS PHD'S</i> Mentor Presentation	<b>"EPA's STAR &amp; GRO Fellowship Programs: Identifying the Niche and Targeting the Need"</b> Poster Presentation - <i>MS PHD'S</i> Program Mentor Dr. Brandon Jones Poster Hall (Moscone South) ID# ED41D-0542
8:00 am <i>MS PHD'S</i> Mentor Presentation	<b>"STREAMS - Supporting Underrepresented Groups in Earth Sciences"</b> Poster Presentation - <i>MS PHD'S</i> Program Mentor Dr. Kathy Carvalho-Knighton Poster Hall (Moscone South) ID# ED41D-0541
8:00 am <i>MS PHD'S</i> Staff Presentation	<b>"The Many Faces of Mentoring to Enhance Diversity in the Geosciences"</b> Poster Presentation - <i>MS PHD'S</i> Staff Lois Ricciardi Poster Hall (Moscone South) ID# ED41D-0544
8:30 am - 3:30 pm	<b>GIFT Workshop</b> Moscone Convention Center <i>(Registration Required)</i>
12:30 pm - 1:30 pm <i>MS PHD'S</i> / AGU Event	<b>BrightStars/ <i>MS PHD'S</i> lunch</b> Moscone Convention Center (Room TBA)
1:40 pm <i>MS PHD'S</i> Participant Presentation	<b>"The development of fracture sets in folded sedimentary rocks at Raplee Ridge and Comb Ridge, UT"</b> Poster Presentation - <i>MS PHD'S</i> Cohort VII Mentee Solomon Seyum Poster Hall (Moscone South) ID# T43A-2045
1:40 pm <i>MS PHD'S</i> Participant Presentation	<b>"An Applied Ontology to the Mid-Atlantic Cable: Historical to Modern Informatics Consideration From a Math Perspective"</b> Poster Presentation - <i>MS PHD'S</i> Program Mentor Dr. Dewayne Branch for <i>MS PHD'S</i> Cohort VI mentee Kaiem Frink Poster Hall (Moscone South) ID# IN43B-1152
4:00 pm - 5:00 pm <i>MS PHD'S</i> Diversity Activity	<b><i>MS PHD'S</i> Diversity Workshop</b> Facilitated by Dr. Williamson Whitney Beresford Arms Hotel (Parlor Suite)
5:00 pm - 6:00 pm	<b>Dinner "on your own"</b> Nearby restaurants
6:00 pm - 8:00 pm <i>MS PHD'S</i> / IBP Diversity Event	<b><i>MS PHD'S</i> / IBP Sponsored Town Hall</b> Diversity Dialogue San Francisco Marriott Marquis (55 Fourth Street) Sierra I
<b>Friday, December 18, 2009</b>	
8:00 am - 6:00 pm	<b>AGU Presentations</b>
8:00 am <i>MS PHD'S</i> Mentor Presentation	<b>"Community Based Informatics: Geographical Information Systems, Remote Sensing and Ontology collaboration - A technical hands-on approach"</b> Poster Presentation - <i>MS PHD'S</i> Program Mentor Dr. Dewayne Branch Poster Hall (Moscone South) ID# IN51A-1034

8:00 am <i>MS PHD'S</i> Mentor Presentation	<b>"Community Based Informatics Education: Geographical Information Systems, Remote Sensing and Ontology collaboration"</b> Poster Presentation - <i>MS PHD'S</i> Program Mentor Dr. Dewayne Branch Poster Hall (Moscone South) ID# ED51A-0513
8:30 am - 3:30 pm	<b>GIFT Workshop</b> Moscone Convention Center <i>(Registration Required)</i>
10:20 am <i>MS PHD'S</i> Participant Session	<b>AGU/<i>MS PHD'S</i> Session ED52A: Encouraging Success and Diversity Through Minority Participation in Science I</b> Chair: Justin R Brown, <i>MS PHD'S</i> Alumni Chair: Dr. James Tindall, <i>MS PHD'S</i> Mentor 3020 (Moscone West)
10:35 am - 10:50 am <i>MS PHD'S</i> Dream Team Presentation	<b>"<i>MSPHDS PDP</i> Preparing and Providing Professionals for the New Generation of Science"</b> Oral Presentation - <i>MS PHD'S</i> Cohort VII Dream Team 3020 (Moscone West) ID# ED52A-02
11:50 am - 12:05 pm <i>MS PHD'S</i> Director Presentation	<b>"<i>MS PHD'S PDP</i>: A Minority-Focused Earth System Sciences Intervention (Invited)"</b> Oral Presentation - <i>MS PHD'S</i> Director Dr. Ashanti Johnson 3020 (Moscone West) ID# ED52A-07
12:30 pm - 1:30 pm	<b>Lunch "on your own"</b>
1:40 pm <i>MS PHD'S</i> Participant Session	<b>AGU/<i>MS PHD'S</i> Session ED52B: Encouraging Success and Diversity Through Minority Participation in Science II</b> Chair: Lindsay Birt, <i>MS PHD'S</i> Cohort VI Mentee Chair: Dr. Ambrose Jearld, <i>MS PHD'S</i> Mentor Poster Hall (Moscone South)
1:40 <i>MS PHD'S</i> Participant Presentation	<b>"Research Opportunities for Undergraduate Students at Storm Peak Laboratory"</b> Poster Presentation - <i>MS PHD'S</i> Dream Team Member Wanda Vargas and Program Mentor Dr. Gannet Hallar Poster Hall, Moscone South
1:40 pm <i>MS PHD'S</i> Participant Presentation	<b>"Eliassen Palm Fluxes of the Diurnal Tides from the Whole Atmosphere Community Climate Model-Extended (WACCM-X)"</b> Poster Presentation - <i>MS PHD'S</i> Cohort VII Mentee McArthur (Mack) Jones Poster Hall, Moscone South
5:00 pm - 11:59 pm	<b><i>MS PHD'S</i> Participants Depart</b>
<b>Saturday, December 19, 2009</b>	
Various Times	<b><i>MS PHD'S</i> Participants Depart</b>