

Geoscience Research on Antarctic Subglacial Environments

September 1st, 2007, ISAES X, University of California, Santa Barbara

WORKSHOP CONVENERS: S. Tulaczyk and S. Fitzsimonis

WORKSHOP PLAN

8 AM – 3 PM, 09/01/2007

Flying A Room in the UCSB University Center

http://www.aw.id.ucsb.edu/maps/images/aw_pdfs/UCen_UCSB.pdf

Speaker Information: ~20 minute PowerPoint presentations must be delivered to S. Tulaczyk in advance



<i>Time</i>	<i>Topic</i>	<i>Speaker</i>
7:30 AM	Arrival and preparation time	
8:00 AM	Opening remarks	S. Tulaczyk
8:00 AM	Investigation of subglacial environments in Dry Valleys	S. Fitzsimonis
8:20 AM	Mapping subglacial water movement in Antarctica with ICESat	H.A. Fricker
8:40 AM	Subglacial lakes and their environments: linking tectonics, glaciology, and biology with geophysical methods	M. Studinger
9:00 AM	Lava, lakes, and life in subglacial environments	E. Gaidos
9:20 AM	Microbiology of icy environments	B. Lanoil
9:40 AM	Subglacial geochemistry	S. Vogel
10 AM Coffee Break		
10:20 AM	Understanding ice dynamics through airborne characterization of subglacial environments	D.D. Blankenship
10:40 AM	Seismic investigations of subglacial environments	S.Anandakrishnan
11:00 AM	Investigations of subglacial paleo-environments on Antarctic continental shelf	J.S. Wellner
11:30 AM	DISCUSSION 1: Interdisciplinary research on subglacial Antarctic environments – barriers and opportunities	conveners
Noon – 1 PM – lunch		
1:00 PM	DISCUSSION 2: Science (a) Current and emerging scientific themes (b) Relevance to broad scientific goals (ice sheet dynamics, Antarctic climate evolution, geologic evolution of Antarctica, life in extreme environments, analogs for extraterrestrial habitats, etc.)	conveners
2:00 PM	DISCUSSION 3: Technologies and Science Management (a) Evolution of technological capabilities – are they well matched to science goals/objectives? (b) Coordination of science efforts – US and international dimensions (c) What are barriers to progress and strategies for overcoming these barriers?	conveners
3:00 PM	Departure	