

## Appendix II. Program



MARGINS Theoretical Institute 2006

**TELECONNECTIONS BETWEEN SOURCE & SINK IN SEDIMENT  
DISPERSAL SYSTEMS**

**Program**

**Version 9-15-06**

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The purpose of this TEI is to develop an integrated conceptual understanding of sediment dispersal systems from source-to-sink by fostering interactions among experimentalists, theoreticians (modelers), and field observationalists in tectonics, geomorphology, sedimentary geology, and oceanography.

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<b>Sunday 17 September Marconi Center, Marin County, CA</b>	<b>INTRODUCTION</b>
<i>Afternoon</i>	Registration (desk in lobby area)
<i>1800</i>	Dinner
<i>1930-2030</i> Buck Hall	Icebreaker
<i>2030-2130</i> Buck Hall	Opening Remarks: Welcome; Introduction of key people; Statement of objectives (critical evaluation of S2S science plan; identification of key questions; new focus areas)--- <b>Rudy Slingerland</b>
	Keynote Talk: “The Promise of MARGINS Source to Sink” --- <b>James Syvitski</b>
<b>Monday 18 September Marconi Center</b>	<b>THE SOURCE Moderator: <b>Bill Dietrich</b></b>
<i>0700-0830</i>	Breakfast
<i>0830-0930</i> Buck Hall	Talk: “Sediment Fluxes off the Hillslope” (current understanding of processes and rates, predictability of sediment production, and transport to channels)--- <b>Bill Dietrich</b>
<i>0930-1030</i> Buck Hall	On-going Studies in the Source (10 minute talks with 5 minutes of discussion) <ol style="list-style-type: none"> <li>1. <b>K. Berryman</b></li> <li>2. <b>E. Leithold</b></li> <li>3. <b>B. Mackey</b></li> <li>4. <b>SJ. Kao</b></li> </ol>
<i>1030-1045</i>	Break
<i>1045-1200</i> Buck Hall	Panel Discussion with Audience Participation: Sediment Fluxes off the Hillslope ---Panelists: <b>W. Dietrich, P. Whiting, T. Lisle, J. Syvitski (chair)</b>
	Identify key field or experimental observations that must be collected, theory that must be developed, and key integration of data and theory required to address significant unsolved problems in the S2S system; consider possible questions and sites for future S2S research, including ones that either have not been considered previously or that had been discarded for reasons no longer applicable
<i>1200-1330</i>	Lunch

1330-1430 Buck Hall	Talk: “Sediment Routing Through the Fluvial System: Pulses, Storage, Lags, and Legacies”--- <b>John Milliman</b>
1430-1530 Buck Hall	On-going Studies in Sediment Routing (10 minute talks with 5 minutes of discussion) <ol style="list-style-type: none"> <li>1. <b>T. Dunne</b></li> <li>2. <b>S. Fagherazzi</b></li> <li>3. <b>B. Gomez</b></li> <li>4. <b>M. Blum</b></li> </ol>
1530-1545	Break
1545-1700 Buck Hall	Panel Discussion with Audience Participation: Sediment Routing Through the Fluvial System--- Panelists: <b>B. Gomez, J. Milliman, S. Goodbred, M. Blum (chair)</b> Identify key field or experimental observations that must be collected, theory that must be developed, and key integration of data and theory required to address significant unsolved problems in the S2S system; consider possible questions and sites for future S2S research, including ones that either have not been considered previously or that had been discarded for reasons no longer applicable
1800-1930	Dinner
1930 Pine and Cypress Lodges	Posters and Beverages
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<b>Tuesday 19 September</b>	<b>SOURCE FIELD TRIP EEL RIVER CATCHMENT Trip Leaders: <b>Harvey Kelsey, Bill Dietrich, Tom Lisle, Kevin Furlong</b></b>
0600-0700	Breakfast
0700	DEPARTURE (Please be packed; we will not return to the Marconi Center)
1830	Estimated Time of Arrival at Red Lion Inn, Eureka, CA
1900	Dinner
2000 Redwood Ballroom	After Dinner Theatre: “ 1964 Eel River Flood“ with comments by <b>Bob Meade</b>
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<b>Wednesday 20 September Red Lion Inn, Eureka</b>	<b>THE SINK</b> <b>Moderator: Lincoln Pratson</b>
0700-0830	Breakfast
0830-0930 <i>Redwood Ballroom</i>	Talk: "Fate of river-derived sediments: putting active margins into perspective"--- <b>Chuck Nittrouer</b>
0930-1030	On-going Studies in "Sedimentation on Shelves Experiencing Sea Level Change" (10 minute talks with 5 minutes of discussion) <ol style="list-style-type: none"> <li>1. <b>C. Harris</b></li> <li>2. <b>R. Wheatcroft</b></li> <li>3. <b>N. Driscoll</b></li> <li>4. <b>P. Liu</b></li> </ol>
1030-1045	Break
1045-1200 <i>Redwood Ballroom</i>	Panel Discussion with Audience Participation: "Processes of Sedimentation on Shelves Subject to Relative Sea Level Change"---Panelists: <b>S. Kuehl (chair), P. Wiberg, A. Ogston, and C. Nittrouer</b> Identify key field or experimental observations that must be collected, theory that must be developed, and key integration of data and theory required to address significant unsolved problems in the S2S system; consider possible questions and sites for future S2S research, including ones that either have not been considered previously or that had been discarded for reasons no longer applicable
1200-1330	Lunch
1330-1430 <i>Redwood Ballroom</i>	Talk: "Sediment Delivery to Offshore Slopes and Basins" --- <b>Andre Droxler &amp; Sam Bentley</b>
1430-1530 <i>Redwood Ballroom</i>	On-going Studies in Offshore Slopes and Basins (10 minute talks with 5 minutes of discussion) <ol style="list-style-type: none"> <li>1. <b>N. Mitchell</b></li> <li>2. <b>C. Alexander</b></li> <li>3. <b>J. Yun</b></li> </ol>
1530-1545	Break
1545-1700 <i>Redwood Ballroom</i>	Panel Discussion with Audience Participation: "Sediment Delivery to Offshore Slopes and Basins" --- Panelists: <b>A. Droxler (chair), E. Leithold, S. Bentley, J. Jaeger</b> Identify key field or experimental observations that must be collected, theory that must be developed, and key integration of data and theory required to address significant unsolved problems in the S2S system; consider possible questions and sites for future S2S research, including ones that either have not been considered previously or that had been discarded for reasons no longer applicable

<i>1700-1930 Pine and Sequoia Rooms</i>	Posters and Beverages
<i>1930</i>	Dinner
<b>Thursday 21 September</b>	<b>SINK FIELD TRIP / THE BIGGER PICTURE Moderator: <b>John Milliman</b></b>
<i>0500-1000</i>	Fieldtrip to Sink Sediments---Field Trip Leader: <b>L. Leithold &amp; H. Kelsey</b> We meet in the hotel lobby; please be prompt, wear warm clothes, and shoes that might get wet. A packed brunch will be provided.
<i>10:00-1200</i>	R & R
<i>1200-1330</i>	Lunch
<i>1330-1430 Redwood Ballroom</i>	Talk: “Teleconnections in the S2S System” --- <b>John Swenson</b>
<i>1430-1445</i>	Break
<i>1445-1545 Redwood Ballroom</i>	Panel Discussion with Audience Participation: “Teleconnections”---Panelists: <b>T. Dunne, R. Slingerland, B. Meade, J. Swenson</b> 1. Identify key field or experimental observations that must be collected, theory that must be developed, and key integration of data and theory required to address significant unsolved problems in the S2S system; consider possible questions and sites for future S2S research, including ones that either have not been considered previously or that had been discarded for reasons no longer applicable
<i>1545-1600</i>	Coffee
<i>1600-1700</i>	Break-out Groups: Suggestions for the S2S Science Plan ( <b>Group Leaders are Panelist Chairs</b> )
<i>1700-1930 Pine and Sequoia Rooms</i>	Posters and Beverages
<i>1930</i>	Dinner
<b>Friday 22 September</b>	<b>OPTIONAL WORKSHOP ON THE S2S SCIENCE PLAN RED LION INN, EUREKA, CA</b>
<i>0700-0830</i>	Breakfast
<i>0830-1200</i>	Departure or Workshop