



San Joaquin Geological Society

Date: Tuesday, November 9, 2010

Cost: PSAAPG Members & Mesozoics
\$20 w/reservation
\$25 without reservation

Time: 6 pm Social Hour
7 pm Dinner
8 pm Lecture

Non PSAAPG Members
\$25 w/reservation
\$30 without reservation

Place: American Legion Hall

Full-time Students with ID:
Free, Courtesy of Chevron

SJGS WEBSITE

<http://www.sjgs.com/>

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Tracking Sediment Movements within Monterey Canyon from the Shoreline to the Fan

Dr. Charlie Paull - Senior Scientist and Chair MBARI

BIO

Dr. Paull is a marine geologist who holds degrees from Harvard, University of Miami, and Scripps Institution of Oceanography. Presently, he is a Senior Scientist and Chair of Research and Development at the Monterey Bay Aquarium Research Institute (MBARI). Over Dr. Paull's career he has pursued a broad diversity of research topics. These include identifying the first cold seep communities, being the chief proponent and co-chief scientist for the first ODP Leg dedicated to gas hydrate research, serving as chief scientist for the MBARI Monterey Ocean Observing System which has developed and installed cable-connected deep-water sea floor infrastructures, and leading various sea floor exploration efforts using ROV's, autonomous underwater vehicles, and submersibles. These efforts are documented in over 175 peer reviewed publications. He recently chaired the US National Research Council's report "Realizing the Energy Potential of Methane Hydrate for the United States".

ABSTRACT

Over the last decade MBARI has had a project to investigate the processes by which material moves through the axial channels of submarine canyons. As part of this project extensive ROV diving and sampling programs have been conducted, new instrument systems have been developed to monitor seafloor processes, and high resolution AUV mapping surveys have been conducted within canyon and fan channels out to abyssal depths. The focus has been on Monterey Canyon and Fan, but exploratory work has been conducted in 22 canyon systems along the California coast. An overview of these efforts, focusing on Monterey Canyon and Fan out to 4 km water depths will be presented.

*** RSVP ***

By Friday, October 8, 2010

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or on the SJGS Website:
<http://www.sjgs.com>