

Reunión Anual de la Unión Geofísica Mexicana 2008

Sesión Especial

Tectonic processes at the active Middle American continent-ocean margins during the Phanerozoic

Moderadores

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This session will deal with the effects of tectonic processes along the western margin of Middle America from California through Mexico to Central America. Such processes include:

1. steep and flat slab subduction,
2. collision with the trench of:
 - (a) East Pacific mid-oceanic ridge,
 - (b) transform faults, oceanic island ridges,
 - (c) compressional ridges (e.g. Tehuantepec Ridge), and
 - (d) seamounts with the trench.
3. arc magmatism

The time span will be Present-Cambrian and include the active margins of the eastern Pacific, Rheic, and Iapetus oceans. Papers will cover a broad range of disciplines in geophysics, geology and tectonics, for example:

1. Geophysics: seismicity, magnetics, gravity, etc,
2. Geology: arc magmatism, structure, metamorphism,
3. Tectonics: numerical modeling, subduction erosion and accretion.

Contributions are invited on any topic that fits under this general umbrella.