

PROGRAM

25 to 30 MAY: premeeting Road Trip “FAULTS OF THE WILD WEST”; limited attendance (see details elsewhere in flyer)

30 MAY, Monday

PATA Days attendees arrive at Denver International Airport, airport hotel; Icebreaker, 7 pm

31 May; Tuesday

Travel by bus from Denver Airport Hotel to Crestone; running commentary on geology of Front Range, South Park, Rio Grande Rift. Afternoon- registration and check-in in Crestone; Opening Ceremony; Keynote Lectures, poster sessions

01 JUNE, Wednesday

Morning-Technical Session 1; Afternoon-Technical Session 2. Evening INQUA business meeting

02 JUNE, Thursday

Morning-Technical Session 3; Afternoon, field trip to local Quaternary fault scarps. Poster sessions. Evening, Western cookout at the McAlpine Ranch

03 JUNE, Friday

Morning-Technical Session 4; Afternoon-Training session in field techniques (fault zone data collection with ERT, DEMs from UAVs, trench logging with SFM). Evening entertainment, Crestone Tribal

04 JUNE, Saturday

Check out 9am; all-day Field Trip to Villa Grove research trench, and Upper Arkansas Valley of the RG Rift; Faults, Glaciers, and Jokulhaups. Trip ends at Leadville, bus continues to Denver. Closing ceremony in evening

05 JUNE, Sunday

Registrants depart via Denver International Airport



Kit Carson Mountain reflects in the windows of the Seminar Building built by the Aspen Institute. This building was designed in a pseudo- Bauhaus style to mimic those on the main campus of the Aspen Institute in Aspen, Colorado.

2016 PATA venue

1st PATA ROAD TRIP

“FAULTS OF THE WILD WEST”

An exclusive feature of PATA 2016, the Road Trip is a 6-day, 2000 km loop led by Jim McCalpin to visit famous historic surface ruptures and earthquake-induced landslides of the “Wild West” of Utah-Idaho-Wyoming, as well as cultural features. En-route lectures by local experts. Attendance limited to ~15, first come-first served.

24 May, Tuesday: attendees arrive at Salt Lake City, Utah, airport; night at University Guest House

25 May, Wednesday: Wasatch fault scarps (and maybe an open trench), northern 3 segments; Hansel Valley rupture (1934); night in Pocatello, ID

26 May, Thursday: Craters of the Moon national Monument; Borah Peak scarp (1983); volcanic paleoseismology of Snake River Plain, the Yellowstone mantle plume, and the parabolic zone (“bow wave”) of Neogene block faulting; night in Idaho Falls

27 May, Friday: Bear World wildlife park; Madison Canyon landslide, Earthquake Lake, and Hebgen Lake surface ruptures (all 1959); night in West Yellowstone

28 May, Saturday: enter Yellowstone National Park; Old Faithful geyser and Inn (largest log building in world); Yellowstone lake tilted shorelines; Grand Teton National Park; night at Teton Science Center, Jackson, Wyoming



The Tetons from Jackson Hole

29 May, Sunday: Quaternary geology of Jackson Hole (playground of the rich and famous) and the Teton Fault, scarps up to 40 m high; landslide dam of 1923; downtown Pub Crawl; 2nd night at Teton Science Center

30 May, Monday: drive from Jackson to Denver, across the Mountains & Plains of Wyoming; arrive 7 pm for Icebreaker for 7th PATA Days

7th International Workshop on Paleoseismology, Active Tectonics, and Archeoseismology

1st Circular

7th PATA Days
31 May through 4 June 2016
Crestone, Colorado USA



Organized by:

- Crestone Science Center
- GEO-HAZ Consulting, Inc.
- INQUA
- Adams State University
- Colorado College
- University of Colorado-Boulder

BACKGROUND

The 7th PATA Days will be the first Workshop held in the United States. Since 2009 the PATA Workshops have become the premier international exchange of new paleo- and archeoseismic methods and results. The Workshop also invites presentations on supporting studies such as Quaternary geochronology, shallow geophysics, and Seismic Hazard Analyses (PSHA, PFDHA) that rely heavily on paleoseismic input data.

For 2016 PATA returns to the Western Hemisphere and to field areas where paleoseismology developed in the USA in the late 1970s. Specifically, PATA 2016 will be held in the Town of Crestone, Colorado in the northern Rio Grande rift. The Rift is a 1000 km-long continental rift zone that began forming in the Miocene and is still spreading, as evidenced by fault scarps in town. At the latitude of Crestone (38N) the valley floor lies at 2400 m elevation and the rift-flank uplifts rise to 4300 m (see photo below).



THE SITE

Since the late 1970s, the Town of Crestone and adjacent Baca Grande development have become famous for their 22 spiritual centers and New Age lifestyles. In previous decades, Crestone was the gateway for hikers and mountaineers to the most rugged and difficult of the “Fourteeners” (peaks higher than 14,000 ft, or 4270 m). The mountains adjacent to town comprise a >100,000-hectare protected Wilderness Area full of wildlife (bear, mountain lion, moose, elk, deer, coyotes). These animals often wander through the town and may be encountered at the venue, especially after sundown. Google: “Crestone: Gateway to the Higher Realms”

THE VENUE

Most Conference activities will be held on the Baca Campus of Colorado College, located 1.5 km south of Crestone (coloradocollege.edu/bacacampus). Technical Sessions will be in the 100-seat Seminar Building. Poster Sessions will be in the adjoining Computer Laboratory. Most meals will be served in the Desert Sage, a 100-seat restaurant located 50 m from the Seminar Building. Lodging will be in the Lodge at Baca Campus (24 beds) and in the Baca Townhouses adjacent to the Desert Sage (30 beds). Additional lodging is located in the many local bed & breakfast inns located in the Baca Grande development.

LOCAL FIELD TRIPS

The **PreMeeting Field Trip** will be the drive from Denver to Crestone on 31 May. Because we want to arrive in Crestone as soon as possible, there will be few road stops on this trip, but much en-route commentary by trip leaders.

The **IntraMeeting Field Trip** on the afternoon of 02 June will visit fault scarps within 10 km of Crestone. Emphasis will be on the interpretation of the tectonic geomorphology of the scarps (multiple-event scarps, bevels, tectonic terraces). The area is covered by 1-m LiDAR, which will be distributed on USB drives.

The **PostMeeting Field Trip** will view neotectonic and climatic landforms of the Upper Arkansas graben, on the way back to the Denver airport. This is the highest part of the Rift, with valley-floor elevations reaching 3100 m at Leadville. Pleistocene valley glaciers blocked the axial drainage of the rift, creating ice-dammed lakes. These lakes formed and failed at least 3 times in the Pleistocene, releasing jokulhaups and transporting enormous boulders.



REGISTRATION

All information about 7th PATA days Workshop will be posted on the PATA-Crestone website, under construction at www.pata-days.org

Pre-Registration will be through Website links from the above URL; on-site registration will occur on May 31, 2016 at the Crestone venue.

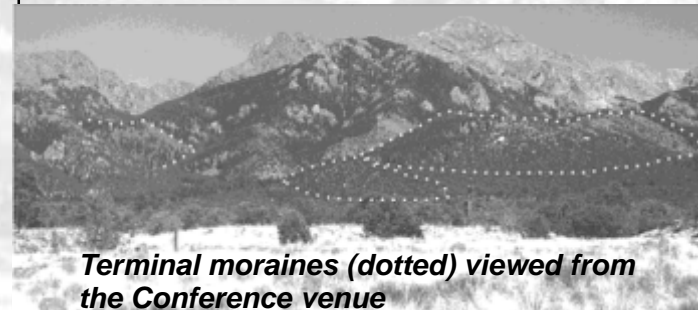
DEADLINES

Tentative Deadlines:

Abstracts Due: February 1, 2016

Pre-registration: March 1, 2016

Four-page extended abstracts:
March 1, 2016



COSTS

Tentative (to be finalized by January 15, 2016)

Conference (includes everything but lodging), ~US\$ 300

Lodging (depends on desired accommodations, single vs double occupancy, private vs shared bathrooms, etc.), ~US\$50 to \$US100/night

PATA Road Trip (all-inclusive), ~US\$1000