

## [Colorado Scientific Society](#)

### Colorado Scientific Society – Earth Sciences since 1882

#### *The oldest scientific society in the Rocky Mountain region*

Founded in 1882, the Colorado Scientific Society promotes knowledge, the understanding of science, and its application to human needs.

We focus primarily on earth science, welcoming members with interests in all fields of science. [Learn more.](#)

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We normally hold monthly meetings from September through May.

Our meetings are normally now both in-person and virtual.

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### CSS October Meeting – October 2023 Newsletter

**Slip sliding away – Impacts to Denali National Park by climate change, permafrost thaw, and resulting geologic hazards**

**Tuesday, October 17, 2023** – Note: on **Tuesday**

**Denny Capps**, National Terrestrial Geomorphologist, Geologic Resources Division, National Park Service

**In-person Meeting at Calvary Church Golden**

*All are welcome – no admission charge*

**6:30 pm** – Social time at in-person meetings

**6:45 pm** – Join Zoom meetings

**7:00 pm** – Meeting and Program begin. Please arrive early.

Church doors are locked, and **no one will be at the door to let you in after 7:00 pm.**

See the details about our in-person meeting at Calvary Church in Golden after the Abstract and Bio.

#### **Link to Join CSS October Zoom Meeting**

CSS is inviting you to our meeting on **Tuesday**, October 17th at 7:00 pm. Note: **Tuesday**

**Click to Join CSS Zoom Meeting**  
from PC, Mac, Linux, iOS or Android

[For other Zoom options, click here.](#)



**Abstract** – Climate change is already causing a literal and metaphorical phase change in Denali National Park and Preserve. Permafrost thaw in and around the area is increasing the frequency and severity of geologic hazards and associated impacts to infrastructure. For example, Denali is currently building a \$150+-million bridge across a landslide that was likely triggered by ice-rich permafrost thaw. Climate trends and predictions indicate that the thaw is likely to continue and may accelerate, continuing and worsening these impacts. We need updated and improved climate, permafrost, landslide, and infrastructure monitoring and modeling across a range of scales to properly adjust to the ongoing rapid change. We also need to raise awareness of these challenges in our communities and organizations through education and outreach because we have common challenges with permafrost thaw across high-latitude and high-elevation areas. Join us for a presentation and discussion about these challenges and potential solutions.



Denny Capps is a geomorphologist and leads the national geohazards program of the NPS Geologic Resources Division.

**Denny Capps**, National Terrestrial Geomorphologist, Geologic Resources Division, National Park Service Formerly: Park Geologist, Denali National Park and Preserve

Education:

B.S. – Geology, Louisiana Tech University

M.S – Earth Science, Montana State University

Ph.D. – Earth Science, Simon Fraser University

**In-person Meeting at Calvary Church Golden**



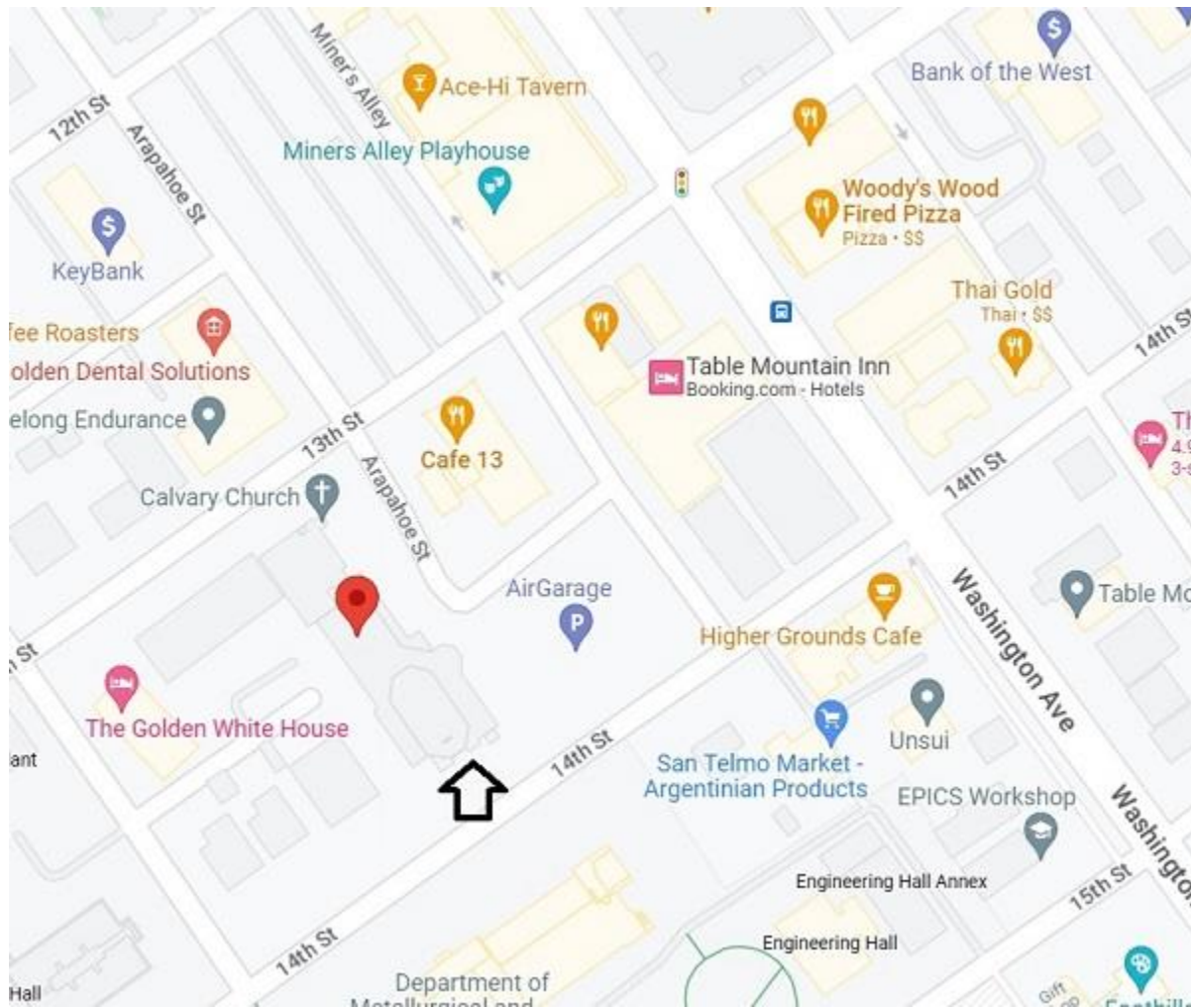
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Golden. Enter at arrow on map.

### [Calvary Church Golden](#)

Click on link to open a Google map.

**Enter from 14th St.,** go in by the main glass doors at [906] 14th St.

Do **not** enter via the old church above 13th St.

From the 14th Street entrance go down the hallway following Colo Sci Soc signs to Community Rooms 1 and 2, where we meet.

**The church doors must stay locked, and we will have a person to let you in at the doors off 14th st.**

They want to see the presentation too, so **please arrive before 7:00 pm.**

There will be a phone number that you can text to be let in if you arrive late.

### **Parking**

On street parking is available close by, along 14th St and west of Washington Ave in Golden.

The AirGarage parking structure, which can be entered from Arapahoe St., is \$3.00 for three hours.