

**Fourth International Conference on Early Mars**  
**Field Trip Waiver of Liability**  
**Meteorite Crater, Petrified Forest National Park**

*If you are participating in the field trip, print out this form, complete, sign,  
and turn it in on the morning of the field trip.*

**Date of Event: Wednesday, October 4, 2017**  
**Departure: 8:00 A.M. — Return: 6:00 P.M.**

We will depart from DoubleTree Hotel at 1175 West Route 66. Shuttle buses will be parked in the front of the hotel.

**Field Trip Destinations:** Barringer Meteorite Crater and Petrified Forest National Park

**Name of Workshop:** Fourth International Conference on Early Mars

**Activity Sponsor:** Universities Space Research Association / Lunar and Planetary Institute

**What to bring:** A small backpack (day pack), hiking boots are preferred but closed toe shoes suitable for hiking on rock are required, light jacket or other rain proof windbreaker or poncho, hat (with chin strap preferred), sunglasses, canteen and/or water bottles, personal first aid kit, an emergency blanket (suitable protection from sun), sunscreen, bug spray, and a camera. You might also want to bring a pair of binoculars, if you have them

**What NOT to bring:** Rock hammer; it's a National Park and collecting samples is forbidden. A hand lens is ok for looking at rocks *in situ*, but not for collecting samples.

**Itinerary/Description of Activity:**

This field trip will explore geological processes of relevance to early Mars, including biosignature preservation and impact cratering, in two spectacular type localities on Earth. The insights from these analogs should provide useful input to Mars exploration and sample selection strategies. David Kring (Lunar and Planetary Institute) and William Parker (Petrified Forest National Park) will lead geological excursions at Barringer Meteorite Crater (aka Meteor Crater) and the Petrified Forest, respectively. At Meteor Crater, we will examine one of the freshest examples of an impact feature on Earth for evidence of post-impact processes that produced lake sediments, crater wall gullies, and potential niches for life. We will also explore the roles that impact breccias, impact ejecta, and overturned strata could play in the preservation of biosignatures on early Mars. Attendees may choose between a rare but physically challenging descent to the crater floor, or a less-strenuous traverse along the rim perimeter (to be led by Nadine Barlow of Northern Arizona University). The Petrified Forest will offer us a chance to observe/discuss the unique biosignature

preservation attributes of the Upper Triassic Chinle Formation. We will visit the Painted Desert, jarosite-bearing organic horizons, Triassic fossils, petrified wood accumulations, and, of course, the giant logs.

---

I certify and affirm that I have been completely and thoroughly informed of the activities and conditions associated with the activity described above and in any documents incorporated by reference in this waiver. I recognize that this activity may involve physical demands and/or dangers:

I hereby certify and affirm that I am physically able to meet the demands of the activity. If I have any health conditions or allergies that should be noted, I have disclosed them here:

---

**Emergency Contact:**

Name: \_\_\_\_\_

Relationship: \_\_\_\_\_

Phone Number: \_\_\_\_\_

In case of emergency if I should be unable to consent to emergency medical treatment for myself, and if any emergency contact identified above either cannot be reached in a timely manner or does not have a medical power of attorney to allow them to make health care decisions for me, then:

- (a) I hereby consent to examination or treatment by any emergency response personnel or any health professional duly licensed to provide health care service in the United States, and/or by any physician duly licensed to practice medicine in the United States, for medical care and services deemed necessary by such doctor or health care professional, any hospital and any of their agents, servants, and employees.
- (b) I give permission to the doctor or health care professional to provide any and all medical care they deem, in their professional opinion, to be necessary.
- (c) I agree to pay for any and all medical expenses incurred as a result of the use of this consent.

In consideration for participation in this activity and for the opportunities for knowledge gained thereby, I assume all risk in connection with the said activities for any harm, injury, or damages that may befall me as a result of my participation therein, whether foreseen or unforeseen. **I hereby voluntarily release and agree to indemnify and hold harmless, Universities Space Research Association, its**

**officers, employees, and representatives, in their individual and official capacities, from any liability to me, my personal representatives, estate, heirs, next of kin, and assigns for any and all claims and causes of action that are in any way connected with this activity or transportation to and from the Field Trip Destinations. The foregoing release and indemnification includes any loss of or damage to my property and for any and all illness or injury to my person, including my death, that may result from or occur during my participation in the activity, WHETHER CAUSED BY THE NEGLIGENCE OR INTENTIONAL ACT OF USRA, ITS CLIENT, THEIR OFFICERS, EMPLOYEES, OR REPRESENTATIVES, or SUBCONTRACTORS, OR OTHERWISE.**

I further agree to indemnify and hold harmless Universities Space Research Association, its Client (if Sponsoring Entity is other than USRA), and each of their officers, employees, and representatives, and any of their subcontractors, including any transportation provider, in their individual and official capacities, from liability for the injury or death of any person(s) and damage to property that may result from participant's negligent or intentional act or omission while participating in the described activity.

I acknowledge that this waiver has the same force and effect regardless of whether the activities engaged in are free or if a fee is charged, as any fees are simply to defray the costs of participation and transportation. I agree that if any portion of this agreement is found to be void or unenforceable, the remaining portions remain in full force and effect.

---

Signature

---

Printed Name

---

Date

---

E-Mail Address