

# MINING TECHNOLOGY DEMONSTRATION & PROGRAM

## REGISTRATION GUIDE

MARCH 23-26, 2020 // TUCSON, ARIZONA, USA

**Issued:** November 2019





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## ABOUT THE PROGRAM

The Mining Technology Demonstration & Program is designed to showcase Cat® products and technologies in the working environment of the Tinaja Hills Demonstration and Learning Center just south of Tucson, Arizona.

You'll experience Cat MineStar™ technologies in action at our customized demonstration sites for both surface and underground equipment. You'll also learn from Caterpillar experts in a series of informational presentations, discussions and breakouts.

The core program includes three days of surface and underground demonstrations, informational presentations, discussions and breakouts covering underground and surface mining as well as manned and autonomous equipment. You can also choose to kick off your week with a set of optional workshops offering advanced discussion on surface autonomy, safety leadership and more.

Following the core program, we'll host attendees at our Denison, Texas, drills factory as well as facilities in Peoria and Decatur, Illinois — including the MineStar testing and validation center.

### HOST HOTEL

Attendees will stay at the JW Marriott Starr Pass Tucson Resort & Spa. Located just west of an area considered the birthplace of Tucson, this resort hotel is rich with culture, history and beauty. It's a unique destination resort complete with world-class spa facilities, nationally acclaimed golf courses and award-winning restaurants.

### WHO SHOULD ATTEND?

The program is open to surface and underground miners interested in learning more about mining technology offerings from Caterpillar, and to the Cat dealers supporting them. Caterpillar field reps and account managers are also welcome to join.

The programs are limited to the first 150 to register, so register right away to ensure you have a spot!



## SCHEDULE OF EVENTS\*

	SAT March 21	SUN March 22	MON March 23	TUE March 24	WED March 25	THU March 26	FRI March 27	SAT March 28
	<b>OPTIONAL WORKSHOPS</b>							
	<b>Attendees:</b> Dealers Caterpillar Miners Staff	<b>Travel to Tucson</b>	<b>Workshops</b> (JW Marriott)					
		<b>Reception</b> (JW Marriott)	End					
	<b>CORE PROGRAM</b> — Underground / Manned / Autonomy							
	<b>Attendees:</b> Dealers Miners Partners Caterpillar Staff	<b>Travel to Tucson</b>	<b>Day 1</b> (JW Marriott) <b>Surface Demo</b> (Tinaja Hills)	<b>Day 2</b> (JW Marriott)	<b>Day 3</b> (JW Marriott)	<b>Travel Home or to Optional Factory Tours Locations</b>		
		<b>Reception</b> (JW Marriott)	<b>Social, Dinner &amp; UG Demo</b>	<b>Open Dinner</b>	End			

\*Schedule subject to change.





## CORE PROGRAM // MARCH 23-26

The core program begins with a welcome reception at the JW Marriott Starr Pass on Monday, March 23. On Tuesday, March 24, the group will attend classroom sessions in the morning and travel by bus to Tinaja Hills in the afternoon. After a brief orientation, attendees will view a live demonstration of surface MineStar technologies, including Command for hauling autonomous trucks and a visit to the MineStar Command Center. After a reception and dinner on the patio area at Tinaja Hills, attendees will view an underground night demonstration.

On Wednesday and Thursday, March 25 and 26, classroom sessions will be held at the hotel. You'll learn from Caterpillar experts in a series of informational presentations, discussions and breakouts that are customized for your area of focus: underground and surface mining as well as manned and autonomous equipment. The program ends Thursday evening.

Topics include:

- Overview of mining technology offerings for both surface and underground operations
- Detailed breakout sessions on Health and Detect
- Detailed discussion on Health and Condition Monitoring
- Focused discussion on autonomous hauling applications
- Detailed sessions on MineStar for underground
  - o Cyber Security
  - o Data Analytics
  - o Testing & Validation
  - o Parts Hardening & Obsolescence
  - o Installation Efficiency
- Updates on MineStar technologies for rotary drills, rope shovels, hydraulic mining shovels, trucks and dozers





## OPTIONAL WORKSHOPS // MARCH 23

In addition to the core program, attendees are invited to arrive on Sunday, March 22, for an informal reception and to kick off their week with a set of workshops offering advanced discussion on the following:

### 1. Autonomy 201: Understanding the journey to autonomy

Are you currently exploring how autonomy can be applied to your existing mine site? New mine site? Have you been doing your research and due diligence but currently have more questions than answers? Would you like an opportunity to spend two hours with a small group of your peers interacting with the Caterpillar team that has been developing and operating autonomous solutions? Then join us to take the next step in discovering if autonomy is right for your mine. Discussions will focus on how Cat Command for Hauling could create value for your operation and how you should be modelling this for a business case. Caterpillar experts who have worked with customers worldwide will help you understand the realities of the true value drivers and operational considerations to extract that value.

### 2. Networks 201: Wireless site communications

If you're looking to leverage technology to improve the safety and performance of your operations, site communications are a requirement. From simple point solutions to full autonomy, communications are the backbone that enables the technology to work as part of the mine site ecosystem. Join Caterpillar's network experts to discuss how best to architect your network to support your current requirements while scaling for future demand, like autonomy. You'll learn about our currently validated set of solutions that support the broad range of MineStar offerings including Command for hauling, drilling and dozing. We'll discuss the roadmap for these technologies — both for Wi-Fi and LTE solutions — and share best practices and lessons learned when it comes to deploying and maintaining a Command-ready wireless network.

### 3. Safety Leadership: Four skills that build cultural excellence

Becoming an effective safety leader requires mastery of four skills, also known as domains. These four domains, along with 14 elements of leadership-based safety, form the agenda for this dynamic, research-based experience. Participants begin to develop the four skills and leave with a personal safety leadership development plan they can put into practice immediately following the session.

### 4. The Human Element in Disruptive Technology

Technology enables improvements to optimize your business, but how well is the implementation of that technology going? It can cause resistance. It can be disruptive. Successful implementation of technology requires a focus on people, not just the technology. This workshop will teach you about tools and processes that will help break down the silos within your organization. You'll walk away with a better understanding of how and why culture, leadership, change management, safety and employee engagement are critical elements of technology implementation.

Attendance for the individual workshop classes is limited. If classes reach capacity, Caterpillar will allocate spots.



## OPTIONAL FACTORY PROGRAM // MARCH 30-APRIL 2

Following the core program, attendees may participate in three factory tours held March 30 in Denison, Texas; April 1 in Peoria, Illinois; and April 2 in Decatur, Illinois. You may choose to attend any or all of the tours. Denison is home to the Cat Drills facility, where you'll see drill assembly and autonomous drills. During the Peoria tour, you'll see the MineStar development facility and large dozer assembly, and have an opportunity to tour the Caterpillar Visitor Center and Museum. The Decatur facility is home to large mining trucks, large wheel loaders/dozers and the 24 Motor Grader.

MON March 30	TUE March 31	WED April 1	THU April 2	FRI April 3
<b>Factory Tour</b> Denison, Texas ..... Drill Assembly	<b>Travel to Peoria, Illinois</b>	<b>Factory Tour</b> Peoria, Illinois ..... MineStar development facility  Large Dozer Assembly  Caterpillar Visitor Center and Museum	<b>Factory Tour</b> Decatur, Illinois ..... Mining Trucks  Large Wheel Loaders/ Dozers  24 Motor Grader	<b>Travel Home</b>



# PROGRAM REGISTRATION

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## STEP 1: REGISTER TO ATTEND.

Click on the link: <https://miningforms.com/forms/2020-mining-tech-demo/>

Use the registration site to confirm your participation in the program. You'll be able to select the various program options on the site:

**Core Program:** US \$795/person

**Optional Workshops:** US \$500/person for access to all workshops

**Denison Factory Tour (Texas):** No charge

**Peoria and Decatur Tours (Illinois):** No charge

Once you've registered, you'll receive a confirmation email and will be included in regular reminder communications before the event. In advance of the program, a detailed agenda and final reminders will be sent via email to the address you provided in the registration.

To ensure proper safety and logistical considerations, anyone attending the program must register through this system. This includes miners, dealers, partners, Caterpillar attendees and staff.

The "register to attend" link does not book your hotel accommodations. Please see accommodations information below.

**Note:** If you're registering for a group of attendees, please be sure to use individual email addresses for each attendee (and not a single email address for all attendees). This ensures that everyone receives the communications directly before and after the program.

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## STEP 2: BOOK YOUR ACCOMMODATIONS

Links to the hotels can be found in the confirmation email you'll receive after you register. You can also click on the links below or call the hotels directly. Be sure that you make your reservations to align with your chosen program.

### Core Program

JW Marriott Starr Pass Tucson Resort — \$199 per night (plus applicable fees)

3800 W. Starr Pass Blvd., Tucson, AZ 85745

In the U.S. (toll free): +1-877-622-3140

Outside the U.S: +1-520-792-3500

Make reservations by calling the hotel or using the link below:

[Book Room](#)

Contact:

Marci Gutierrez

mobile: +1-520-204-7038

### **Drill Program**

Hilton Garden Inn Denison  
5015 South US 75, Denison, TX 75020  
+1-903-463-3331

Make Reservations by calling +1-903-463-3331 and asking for the Caterpillar corporate rate or by using the link below:

[Book Room](#)

Enter 9888512 into the Corporate Account field to get the Caterpillar corporate rate.

Contact:

Lou McDuffy  
work: +1-903-337-4189  
mobile: +1-903-647-0638  
email: [McDuffy\\_Lou@cat.com](mailto:McDuffy_Lou@cat.com)

### **Technology Factory Visit**

Holiday Inn and Suites East Peoria — \$145 per night (plus applicable fees)  
101 Holiday Street, East Peoria, IL 61611  
In the U.S. (toll free): +1-877-666-3243  
Outside the U.S.: +1-309-698-3333

Make reservations by calling +1-309-698-3333 and ask for the Caterpillar/MineStar group or by using the link below:

[Book Room](#)

Contact:

Erin Murphy  
work: +1-309-494-1797  
mobile: +1-309-922-1122  
email: [Murphy\\_Erin@cat.com](mailto:Murphy_Erin@cat.com)





## CANCELLATIONS

You may cancel and receive a full refund of your registration fee before March 3. After this date, your registration fee is non-refundable; however, you can transfer your registration to a new attendee at any time. Full hotel refund is only available if cancelled at least 3 days in advance of your stay.

To cancel your attendance for the program, contact:

Savanna Hines, Operations Manager  
mobile: +1-520-260-7930  
email: [Hines\\_Savanna\\_D@cat.com](mailto:Hines_Savanna_D@cat.com)

You must also cancel your room reservation with the hotel using the links or confirmation details you received when booking.

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## ACTIVITIES

### GOLF

While we are not hosting any formal golf outings, attendees may choose to play golf on the front or back end of the program.

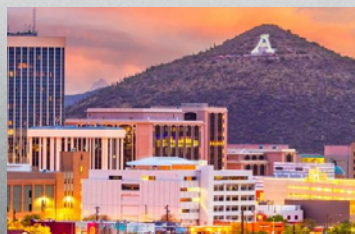
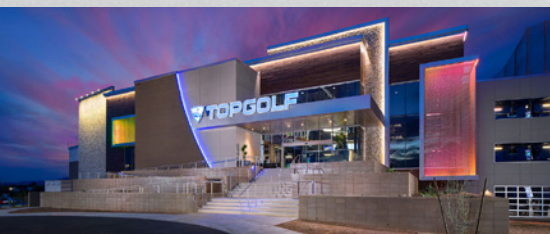
The Starr Pass golf club features a 27-hole Arnold Palmer Signature Golf Facility with a double-loaded driving range, 20,000-square-foot clubhouse and top-quality golf shop. You'll be impressed by the backdrop of natural mountain ranges and dramatic drops in elevation as the winds of the Tucson Mountains swirl around you and jackrabbits saunter across the Coyote Course.

You may make your own tee times by calling the Golf Pro Shop at +1-520-791-6050. Be prepared to pay golf fees when you arrive at the course.

### OTHER SPECIAL ACTIVITIES

If you need assistance in arranging any other hotels, activities, dinners or reservations while in Tucson, please contact:

Marci Gutierrez // M2 Meeting and Destination Services  
mobile: +1-520-204-7038  
email: [M2.meetingservices@gmail.com](mailto:M2.meetingservices@gmail.com)





# FREQUENTLY ASKED QUESTIONS

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## **WHAT IS THE DRESS CODE FOR THE PROGRAM?**

Dress comfortably. Wear jeans or long pants (required at Tinaja Hills) and a comfortable shirt. Steel-toed footwear and other PPE are not required at the Tinaja Hills Training Center or the factories, but do wear sturdy, closed-toed shoes for walking and standing. Ladies should not wear any type of high-heeled or open-toed shoes. Sandals or flip flops are not allowed. Sunglasses are strongly recommended at Tinaja Hills, as we will be outside for the demo, when changing locations, and for in-the-iron opportunities. You'll be provided sunscreen and a cap.

## **WHAT TRANSPORTATION WILL I NEED?**

For the Core Program: You'll be responsible for your own transportation to the JW Marriott Starr Pass Resort & Spa. A taxi or Uber is recommended. You may drive a rental car to the hotel, but you must ride the bus to the Tinaja Hills Demonstration & Learning Center.

For the Denison Factory Program: You'll be responsible for airport transfers to and from Denison, so a rental car or prearranged Uber is recommended. Once you arrive in Denison, buses will be provided to all activities.

For the Peoria and Decatur Tours: You'll be responsible for your own transportation from the airport to Embassy Suites in East Peoria. A rental car is recommended. Bus transportation will be provided from the hotel to the tours.

## **WHEN CAN I CHECK IN AT THE HOTELS?**

Check-in times vary by hotel. However, if you arrive earlier than check-in time, the hotel will hold your bags until your room is ready.

## **CAN I BRING A CAR (PERSONAL OR RENTAL)?**

You're welcome to bring your own car or a rental car to Starr Pass or to the Denison and Peoria hotels. You must ride the bus to the Tinaja Hills Demonstration and Learning Center. Due to security regulations, no private vehicles are allowed on the grounds. This will be strictly enforced. You may park at the Denison and Peoria facilities; however, transportation will be provided.



# CONTACTS

If you have any questions about the event or problems with registration, please contact:

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