



# MIRION Connect

Annual Users' Conference

19

# MEETING AGENDA

July 29 - August 2, 2019  
Santa Ana Pueblo, New Mexico



**MIRION**<sup>®</sup>  
TECHNOLOGIES

Thank you for joining us for what we believe will be an informative, interactive and enjoyable event. I would like to point out some highlights of our schedule to make sure you take full advantage of all we have to offer this year.

Our office will be located in Puma A. Registration will be held in the Tamaya Ballroom Foyer.

Registration hours are:

- Monday: 7:30 AM to 9:00 AM and 4:30 PM to 6:00 PM
- Tuesday: 7:30 AM to 9:00 AM and 5:00 PM to 7:00 PM

We would like to invite you and your guests to participate in two very exciting social functions. Be sure to join us for our Mexican and Spanish Themed Welcome Reception on Tuesday. We begin the evening by opening the Demo Room with a cocktail hour from 6:30 PM to 7:30 PM, continuing with the reception on the Tamaya Veranda & Patio from 7:30 PM to 9:30 PM. Our Thursday night dinner will be a Balloon Fest at the Hummingbird Garden. We will have a group photo taken just before Thursday's dinner so please arrive at 6:30 PM at the Sunrise Amphitheatre.

Guests of each registered users' conference participant may attend the two social functions free of charge. All other scheduled meals and sessions are considered business events and are limited to participants only. All guests who are attending the social functions must be registered in advance and must have a ticket for each event to gain admittance. Walk-ins cannot be accommodated. If your guest information has changed since you registered online, please contact me by e-mail at [tpattison@mirion.com](mailto:tpattison@mirion.com) or come see me in the office.

Our demo room will be open Wednesday through Friday to give you an opportunity to learn about our innovative solutions and services and to interact with our product and services specialists.

This year our breakout sessions have been awarded Continuing Education Credits from the American Academy of Health Physics (AAHP). There will be sign-in sheets in each breakout session. Once you complete the session you will receive an electronic certificate for your records via e-mail.

Electronic meeting evaluations will be e-mailed on Friday when our meeting concludes. Please be sure to fill this out online as quickly as possible because the information you provide is very important to us in our planning for future meetings. The first two people to complete the survey will receive a Visa gift card!

I hope you enjoy this year's meeting and all that New Mexico has to offer!

Sincerely,



Tammy Pattison, CMP, CTSM Gold Level, LSS Orange Belt  
Director, Marketing Operations NA, Global Events

# SUNDAY JULY 28, 2019

TIME	SESSION	INSTRUCTOR/ MODERATOR	LOCATION
10:00 AM – 3:00 PM	Golf Outing Must be registered in advance to play. Lunch provided. Meet in lobby at 9:00 AM.	Jim Kost, Mike Engelsman	Twin Warriors Golf Course



# MONDAY JULY 29, 2019

TIME	SESSION	INSTRUCTOR/ MODERATOR	LOCATION
7:30 AM – 9:00 AM	Registration		Puma A
8:00 AM – 9:00 AM	Breakfast		Corn Maiden Restaurant
9:00 AM – 4:30 PM	Basic Contamination Monitoring	Robert Kong-quee, Michael Guerguis	Eagle A
	Practical QA/QC Considerations in Gamma Spectroscopy	Tim Royals	Hawk B
	Introduction to LabSOCS™ Software	Dave Groff	Badger A
	Be Certain About Uncertainty Calculations <b>NEW!</b>	Henrik Persson	Badger B
	NDA 2000™ 64 bit Version 6.0 Software <b>NEW!</b>	Patrick Chard	Puma B
	DMC 3000™ Electronic Dosimeter Training (Hardware & Software)	Jean-Louis Masseau	Puma C
	Creating Genie™ 2000 Analysis Scripts <b>NEW!</b>	Greg Landry	Badger C
	Fundamentals of Gamma Spectroscopy	Mike Diaz	Hawk A
	Genie™ 2000 Gamma Analysis Foundations & Optimization	Cathey Sharp	Wolf B
	Apex-Alpha/Beta™ Operations	Lee Reagan	Hawk C
10:15 AM – 10:30 AM	Break		Tamaya Prefunction
12:00 PM – 1:00 PM	Lunch		Corn Maiden Restaurant
2:30 PM – 2:45 PM	Break		Tamaya Prefunction
4:30 PM – 6:00 PM	Registration		Puma A

ONE-DAY  
TRAINING  
SESSIONS

TWO-DAY  
TRAINING  
SESSIONS

**SPECIAL TRACKS** If you have registered for the following track, see your corresponding schedule as noted below.

**HIS-20 Track schedule: page 8**

**Sentinel Track schedule: page 9**

TIME	SESSION	INSTRUCTOR/ MODERATOR	LOCATION
7:30 AM – 9:00 AM	Registration		Puma A
8:00 AM – 9:00 AM	<i>Breakfast</i>		Corn Maiden Restaurant
<b>ONE-DAY TRAINING SESSIONS</b>	Advanced Contamination Monitoring	Robert Kong-quee, Jeff DuPont, Michael Guerguis	Eagle A
	MDA from the Ground Up <b>NEW!</b>	Henrik Persson	Badger B
	Getting the Most Accurate Model with the LabSOCS Beaker Editor – Advanced LabSOCS <b>NEW!</b>	Dave Groff	Badger A
	Validation of Gamma Spectroscopy Results	Doug Van Cleef	Hawk B
	Expansion of ISOCS™ to Non-Destructive Assay <b>NEW!</b>	Marcel Villani	Puma C
	Radiation Safety Awareness Training	Andrew Karam	Wolf C
	Creating Genie 2000 Analysis Scripts <b>NEW!</b>	Greg Landry	Badger C
	Fundamentals of Gamma Spectroscopy	Mike Diaz	Hawk A
	Genie 2000 Gamma Analysis Foundations & Optimization	Cathey Sharp	Wolf B
<b>TWO-DAY TRAINING SESSIONS</b>	Apex-Alpha/Beta Operations	Lee Reagan	Hawk C
10:15 AM – 10:30 AM	<i>Break</i>		Tamaya Prefunction
12:00 PM – 1:00 PM	<i>Lunch</i>		Corn Maiden Restaurant
2:30 PM – 2:45 PM	<i>Break</i>		Tamaya Prefunction
1:00 PM – 4:30 PM	Wireless Telemetry Applications <b>HALF-DAY TRAINING</b>	Perry White, Jason Stevenson	Puma C
5:00 PM – 7:00 PM	Registration		Puma A
<b>WELCOME RECEPTION</b>			
6:30 PM – 7:30 PM	Cocktails		Tamaya Ballroom E - H
7:30 PM – 9:30 PM	Dinner		Tamaya Veranda & Patio



**SPECIAL TRACKS** If you have registered for the following track, see your corresponding schedule as noted below.

**HIS-20 Track schedule: page 8**

**Sentinel Track schedule: page 9**

# WEDNESDAY JULY 31, 2019

TIME	SESSION	INSTRUCTOR/ MODERATOR	LOCATION	
7:00 AM – 8:00 AM	Office/Registration		Puma A	
7:00 AM – 8:00 AM	<i>Breakfast</i>		Hummingbird Garden	
<b>GENERAL SESSION</b>				
8:00 AM – 8:15 AM	Welcome	Dr. James Cocks – President, Detection & Measurement Division Americas, Mirion Technologies	Tamaya Ballroom A - D	
8:15 AM – 8:30 AM	Opening Remarks	Mike Freed – COO Mirion Technologies		
8:30 AM – 9:30 AM	Keynote Speaker – Trinity, a Novel about Robert Oppenheimer, father of the atomic bomb	Louisa Hall – Author		
9:30 AM – 10:00 AM	Cleanup of Legacy Waste at Los Alamos National Laboratory	David Nickless – Director of Cleanup Activities, EM, Los Alamos National Lab		
10:00 AM – 10:30 AM	Radiological Control Dynamic Learning Activities	Ky Rowberry – INL Radiological Control Trainer, BEA		
10:30 AM – 11:00 AM	<i>Break</i>		Tamaya Ballroom E - H	
<b>BREAKOUT SESSIONS</b>	11:00 AM – 12:30 PM	DosiServ™ Workshop Part 1	Henri Michel	Badger B
		Modular Dosimetry: Making Your DMC 3000 Work for Any Job	Jean-Louis Masseau	Eagle A
		iPIX™ Features and Operation	Brian Agnew	Badger C
		Latest Developments in Gamma Spectroscopy Software and In Vivo Products	Kara Phillips, Steve Laskos	Tamaya Ballroom A - D
		Radiation Instrumentation and Emergency Response Workshop	Andrew Karam, Keith Spero, Pete D'Agostino	Hawk A - B
12:30 PM – 1:30 PM	<i>Lunch</i>		Hummingbird Garden	
<b>BREAKOUT SESSIONS</b>	1:30 PM – 3:00 PM	RDS-31™ Applications and Options	Perry White	Puma A - B
		DosiServ Workshop Part 2	Henri Michel	Badger B
		Primer Spectroscopy Fundamentals	Doug Van Cleef	Tamaya Ballroom A - D
		Radiation Instrumentation and Emergency Response Workshop – Continued	Andrew Karam, Keith Spero, Pete D'Agostino	Hawk A - B
		Portable In Situ Solutions for the Serious Spectroscopist	Jytte Elseviers, Kara Phillips, Greg Landry	Eagle A
		SQL Query Writing	HIS-20 Team	Badger C
3:00 PM – 3:30 PM	<i>Break</i>		Tamaya Ballroom E - H	
<b>BREAKOUT SESSIONS</b>	3:30 PM – 5:00 PM	What's so special about Mirion Specialty Detectors?	Gabriela Ilie	Wolf A
		DosiServ Workshop Part 3	Henri Michel	Badger B
		Alpha/Beta Counting and Alpha Spectroscopy Laboratory Products Overview	Lee Reagan	Eagle A
		Radiation Instrumentation and Emergency Response Workshop – Continued	Andrew Karam, Keith Spero, Pete D'Agostino	Hawk A - B
		Real-Time Location System Workshop	Jim Kost, Jean-Louis Masseau	Wolf B - C
		SQL Query Writing – Continued	HIS-20 Team	Badger C
5:00 PM – 7:00 PM	Demo Room		Tamaya Ballroom E - H	

**SPECIAL TRACKS** If you have registered for the following track, see your corresponding schedule as noted below.

**RMS Track schedule: page 10**

TIME	SESSION	INSTRUCTOR/ MODERATOR	LOCATION
7:00 AM – 8:00 AM	Office/Registration		Puma A
7:00 AM – 8:00 AM	<i>Breakfast</i>		Hummingbird Garden
<b>GENERAL SESSION</b>			
8:00 AM – 9:00 AM	Keynote Speaker – Clean Futures Fund and the Dogs of Chernobyl Program	Erik Kambarian – Co-Founder of Clean Futures Fund	Tamaya Ballroom A - D
9:00 AM – 9:30 AM	Exploring the Gamma Landscape: The Future of Low-Level Gamma-Spectrometry	Jonathan Burnett – Senior Scientist, Pacific Northwest National Laboratory	
9:30 AM – 10:00 AM	Real-time Gamma-Isotopic Radiation Field Monitoring and Trending at Nuclear Power Plants	Dr. Carola Gregorich – Principal Technical Leader, EPRI	
10:00 AM – 10:30 AM	<i>Break</i>		Tamaya Ballroom E - H
<b>BREAKOUT SESSIONS</b>	10:30 AM – 12:00 PM	Expansion of ISOCS into the NDA 2000 Waste Assay Software	Eagle A
		Electronic Dosimetry System Forum	Badger B
		Unmanned Vehicle Applications and Requirements	Puma B - C
		Lab-Pulse: Real-time State of Health Monitoring for Your Mission Critical Instrumentation	Hawk A - C
		Innovations in Personal Radiation Dosimetry Monitoring	Wolf C
12:00 PM – 1:00 PM	<i>Lunch</i>		Hummingbird Garden
<b>BREAKOUT SESSIONS</b>	1:00 PM – 2:30 PM	Contamination & Clearance Monitors: Technologies, Innovations & Applications	Tamaya Ballroom E - H
		Software Solutions for Non-Destructive Assay	Eagle A
		Unmanned Vehicle Surveys and Planning	Puma B - C
		Advanced Continuous Spectroscopy Systems	Hawk A - C
		Source Safari	Wolf C
2:30 PM – 3:00 PM	<i>Break</i>		Tamaya Ballroom E - H
<b>BREAKOUT SESSIONS</b>	3:00 PM – 4:30 PM	Detectors & Electronics for Gamma Spectroscopy	Hawk A - C
		New Solutions for Characterization & Imaging	Eagle A
		Health Physics New Instrumentation Products	Tamaya Ballroom A - D
		SIM-Teq™ Simulator/Training Devices	Wolf A - B
		Source Safari – Continued	Wolf C

Thursday's schedule continues at top of next page »

**SPECIAL TRACKS** If you have registered for the following track, see your corresponding schedule as noted below.

**RMS Track schedule: page 10**

# THURSDAY

AUGUST 1, 2019 Continued

TIME	SESSION	INSTRUCTOR/ MODERATOR	LOCATION
4:30 PM – 6:00 PM	Demo Room		Tamaya Ballroom E - H
6:30 PM – 7:00 PM	Group Picture		Sunrise Amphitheatre
7:00 PM – 10:00 PM	Group Dinner		Hummingbird Garden & Oxbow Lawn



# FRIDAY

AUGUST 2, 2019

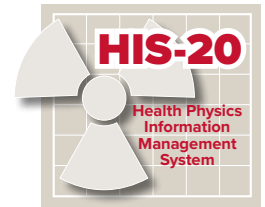
TIME	SESSION	LOCATION
8:00 AM – 10:00 AM	<i>Continental Breakfast</i>	Tamaya Ballroom E - H
8:00 AM – 10:00 AM	Demo Room	Tamaya Ballroom E - H

## VISIT THE DEMO ROOM

Our demo room allows you to see and experience Mirion equipment as well as interact with our product experts. The demo room will be open Wednesday – Friday.



# HIS-20 TRACK



## MONDAY, JULY 29, 2019

TIME	SESSION	INSTRUCTOR/ MODERATOR	LOCATION
7:30 AM – 9:00 AM	Registration		Puma A
8:00 AM – 9:00 AM	<i>Breakfast</i>		Corn Maiden Restaurant
9:00 AM – 9:15 AM	Welcome and Introductions	Joanne Roberson	Wolf A
9:15 AM – 10:15 AM	V8.1 Look and Feel Changes	Joanne Roberson	
	Training – Personnel	Paula Holstein	Wolf A
10:15 AM – 10:30 AM	<i>Break</i>		Tamaya Prefunction
10:30 AM – 12:00 PM	Training – Personnel Continued	Joanne Roberson	Wolf A
	Training – AC Dashboards	Joanne Roberson	Wolf A
12:00 PM – 1:00 PM	<i>Lunch</i>		Corn Maiden Restaurant
1:00 PM – 1:30 PM	Customer Presentation	TVA	Wolf A
1:30 PM – 2:30 PM	Training – External	Paula Holstein	Wolf A
2:30 PM – 2:45 PM	<i>Break</i>		Tamaya Prefunction
2:45 PM – 3:30 PM	Roundtable Discussions – Visitors in the RCA	Group Discussion	Wolf A
3:45 PM – 4:30 PM	Meet with the Experts		Wolf A
7:00 PM – 9:00 PM	Dinner		Santa Ana Cafe Restaurant

## TUESDAY, JULY 30, 2019

TIME	SESSION	INSTRUCTOR/ MODERATOR	LOCATION
8:00 AM – 9:00 AM	<i>Breakfast</i>		Corn Maiden Restaurant
9:00 AM – 10:00 AM	SPR Voting	Group Discussion	Wolf A
10:00 AM – 10:15 AM	I.T. Updates	Joanne Roberson	Wolf A
10:15 AM – 10:30 AM	<i>Break</i>		Tamaya Prefunction
10:30 AM – 12:00 PM	I.T. Updates Continued	Joanne Roberson	
	HIS-20 Roadmap	Joanne Roberson	Wolf A
12:00 PM – 1:00 PM	<i>Lunch</i>		Corn Maiden Restaurant
1:00 PM – 1:15 PM	Awards!	HIS-20 Team	Wolf A
1:15 PM – 2:30 PM	Training – ED & RW Dashboards	HIS-20 Team	Wolf A
2:30 PM – 2:45 PM	<i>Break</i>		Tamaya Prefunction
2:45 PM – 3:30 PM	Training – Simple Queries	HIS-20 Team	Wolf A
3:45 PM – 4:30 PM	Meet with the Experts		Wolf A
<b>WELCOME RECEPTION</b>			
6:30 PM – 7:30 PM	Cocktails		Tamaya Ballroom E - H
7:30 PM – 9:30 PM	Dinner		Tamaya Veranda & Patio



# SENTINEL TRACK



## MONDAY, JULY 29, 2019

TIME	SESSION	INSTRUCTOR/ MODERATOR	LOCATION
7:30 AM – 9:00 AM	Registration		Puma A
8:00 AM – 9:00 AM	<i>Breakfast</i>		Corn Maiden Restaurant
9:00 AM – 10:15 AM	Introductory Topics	PTI Systems	Eagle B
10:15 AM – 10:30 AM	<i>Break</i>		Tamaya Prefunction
10:30 AM – 12:00 PM	Current Issues/Trends	PTI Systems	Eagle B
12:00 PM – 1:00 PM	<i>Lunch</i>		Corn Maiden Restaurant
1:00 PM – 2:30 PM	Sentinel Training: Access Control Suite	PTI Systems	Eagle B
2:30 PM – 2:45 PM	<i>Break</i>		Tamaya Prefunction
2:45 PM – 4:30 PM	Sentinel Training: Dosimetry Suite	PTI Systems	Eagle B

## TUESDAY, JULY 30, 2019

TIME	SESSION	INSTRUCTOR/ MODERATOR	LOCATION
8:00 AM – 9:00 AM	<i>Breakfast</i>		Corn Maiden Restaurant
9:00 AM – 10:15 AM	Sentinel Training: System Administration	PTI Systems	Eagle B
10:15 AM – 10:30 AM	<i>Break</i>		Tamaya Prefunction
10:30 AM – 12:00 PM	Development Workshop	PTI Systems	Eagle B
12:00 PM – 1:00 PM	<i>Lunch</i>		Corn Maiden Restaurant
1:00 PM – 2:30 PM	Functional Presentation: Sentinel Rebuild Project	PTI Systems	Eagle B
2:30 PM – 2:45 PM	<i>Break</i>		Tamaya Prefunction
2:45 PM – 5:00 PM	Functional Presentation: Sentinel Rebuild Project	PTI Systems	Eagle B
<b>WELCOME RECEPTION</b>			
6:30 PM – 7:30 PM	Cocktails		Tamaya Ballroom E - H
7:30 PM – 9:30 PM	Dinner		Tamaya Veranda & Patio



# RMS TRACK

## WEDNESDAY, JULY 31, 2019

TIME	SESSION	INSTRUCTOR/ MODERATOR	LOCATION
7:00 AM – 8:00 AM	Registration		Puma A
7:00 AM – 8:00 AM	<i>Breakfast</i>		Hummingbird Garden
8:00 AM - 10:30 AM	General Session	See Page 5	Tamaya Ballroom A - D
10:30 AM – 11:00 AM	<i>Break</i>		Tamaya Ballroom E - H
11:00 AM – 11:30 AM	RMSD Introduction/Status	RMS Team	Eagle B
11:30 AM – 12:00 PM	Current Mirion projects/events	RMS Team	Eagle B
12:00 PM – 12:30 PM	Customer presentation	RMS Team	Eagle B
12:30 PM – 1:30 PM	<i>Lunch</i>		Hummingbird Garden
1:30 PM – 2:00 PM	Spectrum Analysis in RMS Applications	RMS Team	Eagle B
2:00 PM – 2:30 PM	Customer presentation	RMS Team	Eagle B
3:00 PM – 3:30 PM	<i>Break</i>		Tamaya Ballroom E - H
3:30 PM – 4:30 PM	RMS open discussion forum	RMS Team	Eagle B
5:00 PM – 7:00 PM	Demo Room		Tamaya Ballroom E - H

## THURSDAY, AUGUST 1, 2019

TIME	SESSION	INSTRUCTOR/ MODERATOR	LOCATION
7:00 AM – 8:00 AM	<i>Breakfast</i>		Hummingbird Garden
8:00 AM - 10:00 AM	General Session	See Page 6	Tamaya Ballroom A - D
10:00 AM – 10:30 AM	<i>Break</i>		Tamaya Ballroom E - H
10:30 AM – 10:45 AM	Intro/NFMS projects/events	RMS Team	Eagle B
10:45 AM – 11:30 AM	Mirion RMS at Fermi	RMS Team	Eagle B
11:30 AM – 12:00 PM	Customer presentation	RMS Team	Eagle B
12:00 PM – 1:00 PM	<i>Lunch</i>		Hummingbird Garden
1:00 PM – 1:45 PM	RMS Troubleshooting	RMS Team	Eagle B
1:45 PM – 2:30 PM	Customer presentation	RMS Team	Eagle B
2:30 PM – 3:00 PM	<i>Break</i>		Tamaya Ballroom E - H
3:00 PM – 3:45 PM	Scintillation Detectors in RMS Applications	RMS Team	Eagle B
3:45 PM – 4:30 PM	RMS open discussion forum	RMS Team	Eagle B
4:30 PM – 6:00 PM	Demo Room		Tamaya Ballroom E - H
6:30 PM – 7:00 PM	Group Picture		Sunrise Amphitheatre
7:00 PM – 10:00 PM	Dinner		Hummingbird Garden & Oxbow Lawn

# VENDORS

**A special thank you to our partners for their active participation and contribution.**

This year we welcome the following vendors with whom Mirion Technologies has partnered over the years to develop new concepts, techniques, equipment and services for the nuclear industry.



# STUDENT PRESENTATIONS

These Florida International University students will be in the demo room **Wednesday evening from 5:00 PM – 7:00 PM** presenting on these interesting topics:

**Magnetic Mini Robot for Tank Integrity Inspection at DOE Hanford Site**  
Patrick Uriarte (DOE Fellows)

**Cesium Extraction from Nuclear Waste: Test Bed Initiative (TBI)**  
Jason Soto (DOE Fellows)

**Investigation and Analysis of Dolomite Discussion in Variable Ionic Strength Systems Relevant to the WIPP**  
Alexis Vento (DOE Fellows)

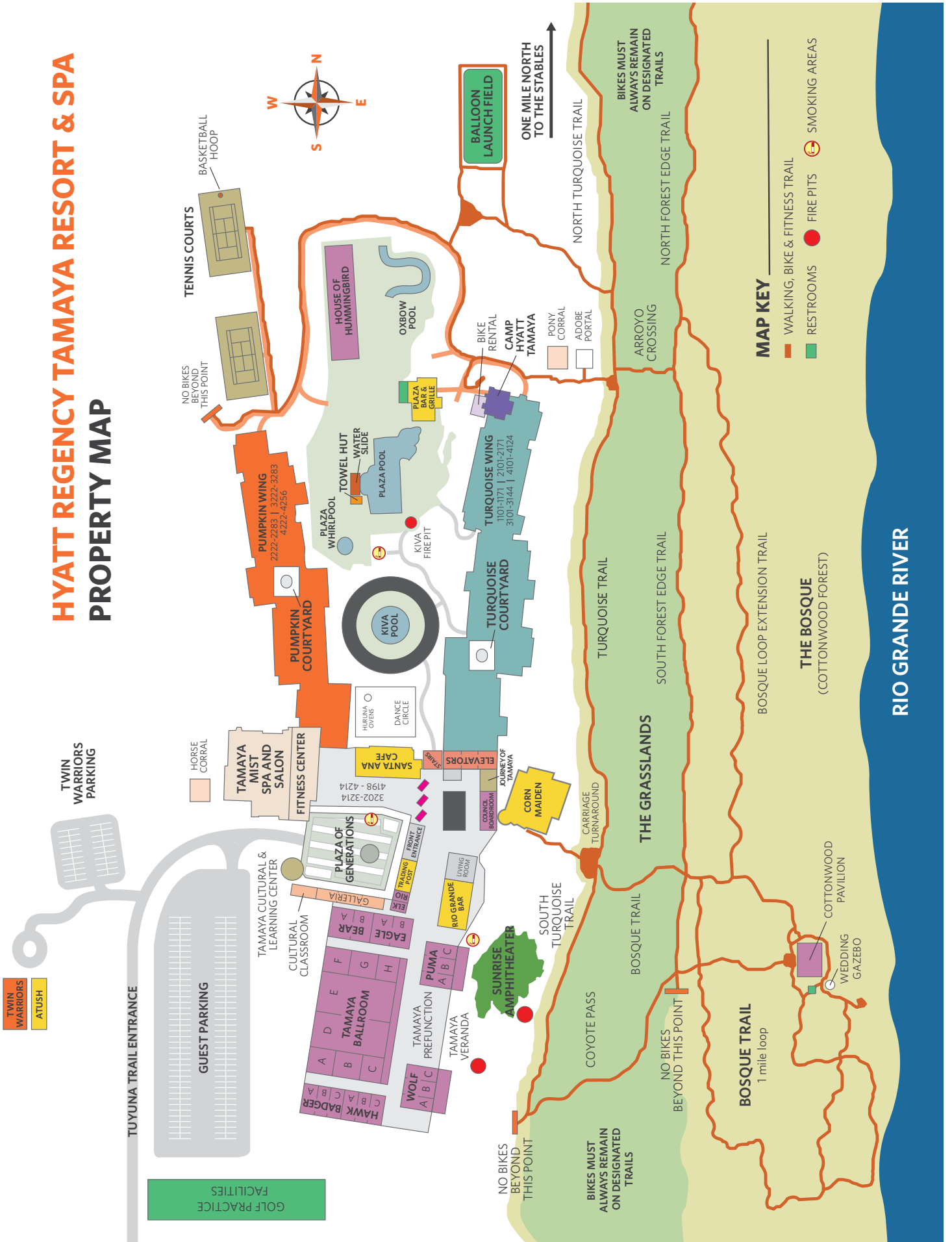
# PHOTO & VIDEO NOTICE

Registration and attendance at, or participation in, Mirion Connect constitutes an agreement by the registrant to permit Mirion's use and distribution of the registrant's image or voice in photographs, videotapes, electronic reproductions, and audiotapes of such events.

# MEETING SPACES



# HYATT REGENCY TAMAYA RESORT & SPA PROPERTY MAP





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MC-144 – 07/2019 – Rev. 2



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