



# 2024 OUSA Nationals

Friday, 11 October 2024 – Sunday, 13 October 2024

An Orienteering USA  
National Ranking Event and Championship hosted  
by the Delaware Valley Orienteering Association including  
two International Orienteering Federation  
World Ranking Events

**Event Director**  
Sandy Fillebrown

**IOF Event Advisor**  
Takashi Sugiyama

**Controller**  
Petr Hartman

**Registrar**  
Patty Carrigan

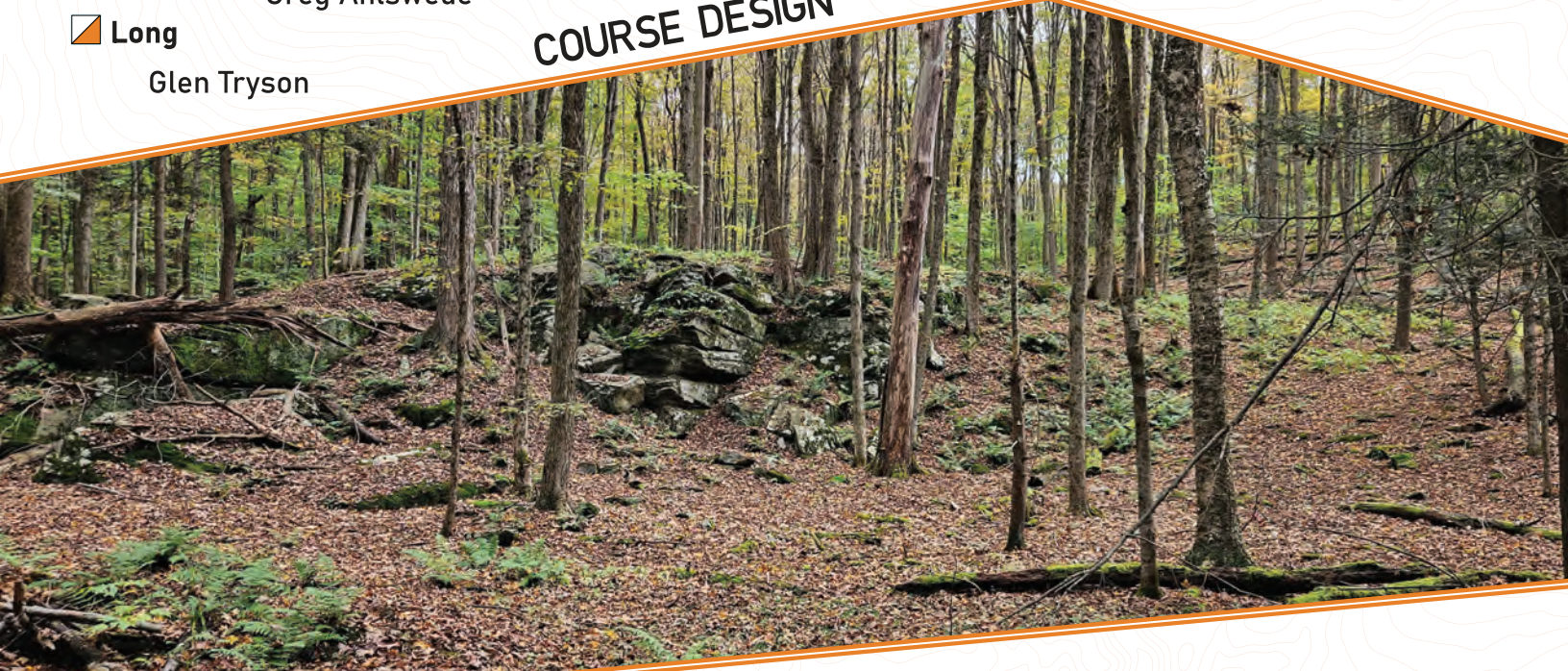
 **Sprint**  
Karl Ahlswede

 **Middle**  
Greg Ahlswede

 **Long**  
Glen Tryson

**ORGANIZERS**

**COURSE DESIGN**



**INFORMATION**

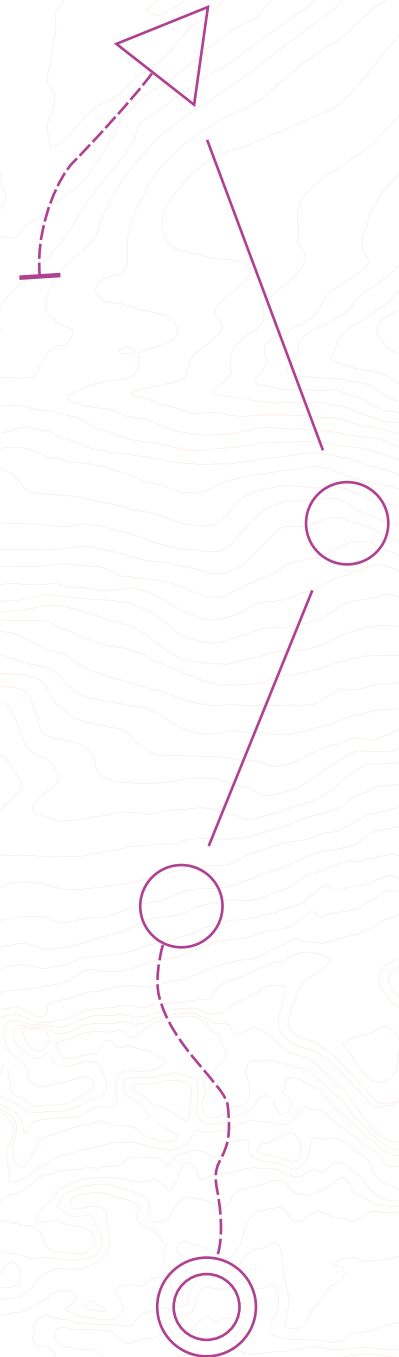
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# SCHEDULE OF EVENTS



Friday, 11 October

## SPRINT

- at Nay Aug Park in the City of Scranton
- Open to the Public
- OUSA Championships

Saturday, 12 October

## MIDDLE

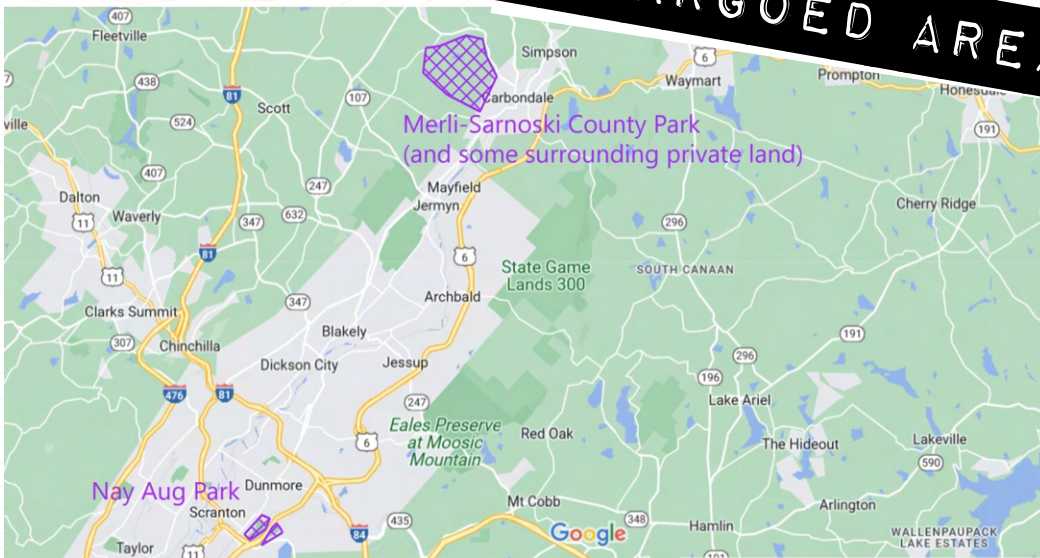
- at Merli-Sarnoski County Park, Lackawanna County
- Open to the Public
- OUSA Championships
- IOF World Ranking Event

Sunday, 13 October

## LONG

- at Merli-Sarnoski County Park, Lackawanna County
- Open to the Public
- OUSA Championships
- IOF World Ranking Event

**EMBARGOED AREAS**



**Nay Aug Park** in the City of Scranton and **Merli-Sarnoski County Park** plus surrounding private land are embargoed. The road that runs along the northwest edge of Nay Aug Park is also embargoed. Please note specifically that **Arthur Avenue** between Roselynn St and Olive St is included in the embargo.



# REGISTRATION



Registration is via the Orienteering USA registration platform EventReg. Please read the information on this page to understand fees and options before starting the registration process.

Register for NRE/WRE Courses and Options

Register for Recreational Courses

See who's registered for NRE / WRE

See who's registered for Recreational

## Fees

The following tables summarize registration fees, with these notes:

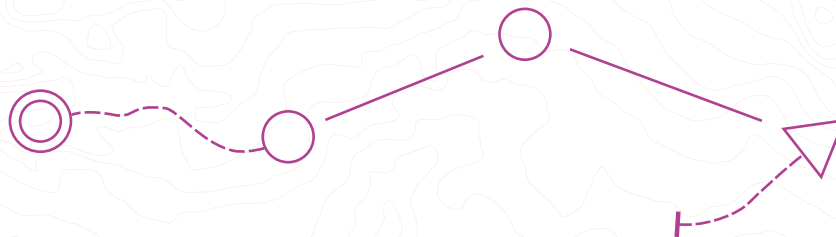
### NRE/WRE Courses

	Sprint	Middle	Long	3-Race Package	OUSA member discount per race
Adult Early	\$40	\$50	\$50	\$120	-\$4
Adult Reg after 6/30	\$50	\$60	\$60	\$155	-\$4
Adult Late after 9/22	\$60	\$75	\$75	\$200	-\$4
Junior Early	\$20	\$25	\$25	\$50	-\$2
Junior Reg after 6/30	\$25	\$30	\$30	\$60	-\$2
Junior Late after 9/22	\$30	\$35	\$30	\$75	-\$2

### Recreational Courses

<i>Before 10/8/2024</i>	\$10 per entry and \$3 per additional map if pre-registered by 10/8/2024
<i>Day-of Registration</i>	\$15 per entry and \$5 per additional map for day-of registrations

- ☑ All amounts are in US Dollars.
- ☑ OUSA member discounts apply to members of all international orienteering federations as well.
- ☑ Registrations after 22 Sept. 2024 will be accepted as long as there are available maps. (We will be sending map counts to our printer on 23 Sept. 2024).
- ☑ See top left table for NRE/WRE course registration options.
- ☑ See bottom left table for Recreational Course registration.







## Other Fees

Electronic Timing Options	<i>SI Electronic Timing -</i>	A standard SI card may be rented if you do not own one, at no additional charge. Select “yes” for “e-punch renting”.
	<i>SI-Air Card Rental -</i>	SI-Air is <b>\$5</b> per day. If you choose this option, DO NOT select “renting” on the first page of registration. It will be an option later.
	<i>SI-Air Card Purchase -</i>	Limited Availability. <b>\$68</b> to purchase an SI-Air card while supplies last.

Dinner - **\$30** for adults; **\$15** for children age 10 and under.

Commemorative Shirt - **\$20** each (long-sleeved technical fabric); may be ordered as you register or at a later date

## Registration Information

### Recreational Courses

- There will be a Recreational White (beginner) and Recreational Yellow (advanced beginner) course available each day. These courses are non-championship courses.
- Pre-registration is strongly encouraged for the Recreational courses and will be available until 10/8/2024 (see link below).
- The fees for pre-registered Recreational White and Recreational Yellow courses will be \$10 per entry. This fee includes the rental of an SI epunch if needed. Additional maps for those going out in a group may be purchased for \$3 per map.
- Note that pre-registrations after **9/22/2024** will be accepted only as long as there are available maps.
  - Day-of registration for Recreational White and Recreational Yellow will be \$15 per entry and \$5 per additional map.
  - Day-of-registration will be available as long as there are available maps.
- Pre-register here for Recreational courses ONLY.

### Sprint Courses

- The winning times for all sprint courses are 12-15 minutes.
- Registrations after **9/22/2024** will be accepted only as long as there are available maps.
- The following table shows the course/class assignments for Sprint courses.
- Depending on the number of participants, courses may be split.





Course	Non-OUSA Championship Categories	OUSA Championship Categories							
White	M/F-White	F-10	M-10	F-12	M-12				
Yellow	F-Yellow M-Yellow	F-14	M-14						
Orange	F-Orange M-Orange	F-16	M-16						
Brown	M-Brown	F-18	F55+	F60+	F65+	M65+	M70+	M75+	
	F-Brown	F70+	F75+	F80+	F85+	F90+	M80+	M85+	M90+
Green	M-Green	M-18	M50+	M55+	M60+				
	F-Green	F-20	F35+	F40+	F45+	F50+			
Red	M-Red	F-21+	M-20	M35+	M40+	M45+			
Blue		M-21+							

## Middle and Long Courses

- ▣ World Ranking Event (WRE) middle and long courses typically differ slightly from OUSA courses. The winning times may be a bit different, start times are somewhat rigid, and there may be quarantine requirements. Thus, we are offering non-WRE classes on Red and Blue for women and men who choose not to participate in the WRE for the Middle and Long; these classes are designated F-Red and M-Blue. The WRE categories are F-21+ and M-21+ for the Middle and Long.
  - NOTE: All competitors on WRE courses *must* have an IOF ID to register. You may obtain an IOF ID through [Eventor](#) (there is no charge; you do not need an IOF license, just an ID).
- ▣ The OUSA Championship classes are F-21+ and M-21+.
- ▣ It is possible that X and Y courses will be combined and/or further split.
- ▣ The winning time for WRE middle courses, based on world elite orienteers, is 30-35 minutes.
- ▣ The winning time for all non-WRE middle courses, based on a 100-point OUSA orienteer, is 25-35 minutes.
- ▣ The winning time for WRE long courses, based on world elite orienteers, is 88-92 minutes.
- ▣ The winning times for non-WRE long courses, based on OUSA 100-point orienteers, are as follows:
  - White 20-30 minutes
  - Yellow 30-45 minutes
  - Orange 40-55 minutes
  - Brown 45-55 minutes
  - Green 50-65 minutes
  - Red 70-90 minutes
  - Blue 80-100 minutes







- ▣ The following table shows the course/class assignments for Middle/Long courses:

Course	<i>OUSA Championship AND WRE Categories</i>	<i>Non-OUSA Championship Categories</i>	<i>OUSA Championship Categories</i>							
White		M/F-White	F-10	M-10	F-12	M-12				
Yellow		F-Yellow M-Yellow	F-14	M-14						
Orange		F-Orange M-Orange	F-16	M-16						
BrownX		M-Brown	F-18	F55+	F60+	F65+	M65+	M70+	M75+	
BrownY		F-Brown	F70+	F75+	F80+	F85+	F90+	M80+	M85+	M90+
GreenX		M-Green	M-18	M50+	M55+	M60+				
GreenY		F-Green	F-20	F35+	F40+	F45+	F50+			
Red		F-Red M-Red	M-20	M35+	M40+	M45+				
F21E	F-21+									
Blue		M-Blue								
M21E	M-21+									

# MAPS & COURSES

## Maps

### Nay Aug Park

- ▣ Nay Aug Park was established in 1893. The name Nay Aug traces its origin to the Munsee Indians, a sub group of the larger Lenape tribe. In their language Nay Aug means ‘noisy water or roaring brook.’ The Munsee settled along the banks of the Roaring Brook and were a peaceful group mostly committed to fishing and farming.

### Merli-Sarnoski County Park

- ▣ Merli-Sarnoski Park, dedicated in 1978, is named after Lackawanna County Congressional Medal of Honor recipients Gino Merli and Joseph Sarnoski.
- ▣ While there are no previous orienteering maps of any of the venues, Greg Ahlswede produced a **Karttapullautin map of Merli-Sarnoski County Park** and some surrounding private property, based on publicly available data. Since some people may have seen this map, for fairness considerations, we are posting it.

Note that there are also many publicly available maps of both Nay Aug Park and Merli-Sarnoski Park on the web; just search on the park names.

Please remember that both parks are under a **full embargo** until the event.





## Map Scales and Contour Intervals

- ☑ Sprint, Nay Aug: 1:4000 with 2.0m contours for all courses
- ☑ Middle, Merli-Sarnoski:
  - 1:10,000 with 5m contours for all classes on M21E, F21E, Blue and Red
  - 1:7500 with 5m contours for all classes on GreenX, GreenY, BrownX, BrownY, Orange, Yellow and White
- ☑ Long, Merli-Sarnoski:
  - 1:15,000 with 5m contours for all classes on M21E, F21E and Blue
  - 1:10,000 with 5m contours for all classes on Red, GreenX, GreenY and Orange
  - 1:7500 with 5m contours for all classes on BrownX, BrownY, Yellow and White

## Terrain, Climate, & Hazards

### Description of Terrain

#### Nay Aug Park

- ☑ Nay Aug is an urban park with open grassy areas, open areas with trees, a few buildings and other man-made features such as statues and playgrounds. The map is bordered on the south by a steep hillside leading down to Roaring Brook; the hillside has a network of trails through very thick woods and large cliffs.

#### Merli-Sarnoski County Park

- ☑ The terrain at Merli-Sarnoski Park varies considerably. There is a large lake roughly in the center of the map surrounded by hillsides with several smaller swampy areas scattered throughout. There are sections of intricate rock and cliff detail, some with open woods and little ground cover and other less open areas. There are many sections of varying densities of mountain laurel and rhododendron. There are some areas with artifacts from past coal mining operations. There is a moderate trail network.

### Climate

- ☑ According to the National Weather Service, temperatures for this weekend in October range from lows of 43F° to highs of 63F° with a mean of 53F°.
- ☑ Average precipitation for the month of October is 3.7 inches (94mm) with an average of 11 days with wet weather.



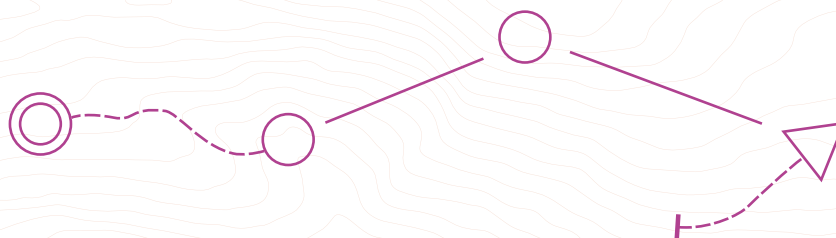


## Hazards

- ▣ There are no known unusual hazards. However, these are NE Pennsylvania woods so there is always the possibility of seeing a black bear. There are also ticks, so be sure to check when you finish your courses.
- ▣ There is no hunting allowed inside the park boundaries. However, it will be bow-hunting season on Saturday and courses will go near private property. Participants are encouraged to wear orange or other bright colors. There is no hunting allowed on Sunday, even on private property.

## Terrain Photos

On the following pages please see the sample terrain photos, including some of the many mountain bike trails in the park, and cliffs and boulders!









Mountain bike trail

Another mountain bike trail







## Model Events

- ❑ There is no model event for the Sprint. There will be a map available at registration of the small area of the park and neighboring streets available for warm up.
- ❑ There is no separate model event for the Middle and Long available ahead of time. There is a small area of the park that has been set aside as a warm-up/model area; it will be open starting early Saturday morning. There will be a few controls in this area and the ability to test the SportIdent electronic punching system that will be in use. In addition, a portion of the map used for the Middle will be available as a warm-up/model area on Sunday. Maps for these areas, at all scales in use that day, will be available at registration each morning.
- ❑ These very limited warm-up/model areas illustrate the mapping style used although not necessarily all types of features found on the courses. In particular, there are no large stands of mountain laurel which is prevalent on most long courses.

## Training Opportunities

### Permanent Courses at Hickory Run State Park

- ❑ About an hour southeast of Scranton, Hickory Run State Park has a beginner, intermediate and advanced permanent course. The map for these courses can be downloaded [here](#).
- ❑ There is a small parking area near the start/finish of the advanced course and a very large parking lot near the start/finish of the beginner and intermediate courses. The last few controls of the intermediate course could be combined with some of the advanced controls to make a course starting from the larger parking lot.

## Courses

Start times for WRE courses will be assigned according to IOF rules. We will use World Ranking Points as of September 23, 2024.

Competitors will start in reverse order of their IOF Ranking; unranked competitors will start in a random order at the beginning of the start window. The WRE starts will be the first starts each day. There will not be a quarantine.





# TRAVEL



Passports are needed to enter the United States. For visa information, **please visit the federal travel website.**

## Air Travel

- ▣ The nearest regional airport is AVP (Wilkes-Barre Scranton International Airport). It is a 15-minute drive from the airport to Nay Aug Park and about a 30-minute drive to Merli-Sarnoski.
- ▣ ABE (Lehigh Valley International Airport) is another nearby regional airport. It is about a 1.5 hour drive to each of the venues.
- ▣ The nearest large airports are EWR (Newark Liberty International Airport, about 2 hours by car), PHL (Philadelphia International Airport, about 2.5 hours), and JFK (John. F Kennedy International Airport, about 3 hours).

Public transportation is available by bus to Scranton and then to Nay Aug Park from these airports, but there is no public transportation available to Merli-Sarnoski.

# ACCOMMODATIONS/CAMPING

Note that the Steamtown Marathon is being held on Sunday, October 13. **We recommend booking early** as prices may go up and rooms — whether in hotels or AirBnB type places — may become hard to find.

There are numerous hotel options available in Scranton. Note that Merli-Sarnoski Park is to the northeast of Scranton, so options in that direction may make the most sense. We have secured the following group rates:

## Fairfield and Residence Inns in Scranton

Last day to book is Tuesday, 10 September 2024. Group rates are available for Thursday 10 October only and for Friday 11 October through Sunday 13 October, 2024. NOTE: To reserve all three nights using the links below, you will need to make TWO separate reservations. Rates are the same for Thursday as for Friday and Saturday.

Book your Fairfield/Residence group rate for  
October 10 (Thursday night) ONLY

Book your Fairfield/Residence group rate for  
October 11-13 (Friday-Saturday nights) ONLY





- ❑ Fairfield Inn Scranton for \$119.00 plus 13% tax per night
- ❑ Residence Inn Scranton for \$149.00 - \$159.00 plus 13% tax per night (Residence Inn rooms include full kitchen)
- ❑ Mention Delaware Valley Orienteering Association if you call the hotel directly. (Residence Inn: tel: +1-570-343-5121 | Fairfield Inn: tel: +1-570-346-3222)
- ❑ Parking fee will be waived

## Best Western Plus in Clarks Summit

Last day to book is Thursday, 29 August 2024. You can select either Thursday through Sunday (10-13 October, 2024) or Friday through Sunday (11-13 October, 2024). Be sure to select the dates you want.

### Book your Best Western Plus group rate (two queen beds)

- ❑ Best Western Plus, Clarks Summit - Thursday night at \$109.99 + 13% tax per night
- ❑ Best Western Plus, Clarks Summit - Friday and Saturday nights at \$159.99 plus 13% tax per night
- ❑ Mentioned OUSA Nationals if you call the hotel directly. (tel: +1-570-586-2730)

## Camping

There are several campgrounds within easy driving distance of the two venues. Lackawanna State Park is the nearest public park with camping. There are also several private campgrounds in the area.

# OTHER REGISTRATION OPTIONS

## Saturday Evening Dinner

There will be a buffet dinner on Saturday evening from 6:00-9:00 pm at Fiorelli Family Catering. They are located at 1501 Main Street, Peckville, PA. The buffet menu includes:

- ❑ Pasta with red sauce, with and without meatballs
- ❑ Roasted chicken
- ❑ Roasted potatoes, sweet kernel corn, salad, rolls, and butter
- ❑ Ice cream parfait for dessert
- ❑ Coffee, tea, and soda

Cash bar available (not included in dinner pricing)







You can purchase dinner tickets one of two ways: As part of the registration process or using a separate link that will be provided at a later date. Dinner tickets are \$30 for adults; \$15 for children age 10 and under.

## Commemorative Shirts



Commemorative long sleeve shirts will be available for purchase for \$20 each. You can purchase shirts one of two ways: As part of the registration process or using a separate link that will be provided at a later date.

- ❑ Description: 4 oz micropoly interlock performance long sleeve shirt, stain, and snag resistant, 44+ SPF UV sun protection.
- ❑ Sizes: Available in Unisex and Women's sizing (width and length dimensions are for a shirt lying flat).
- ❑ Ordering: If you've already registered for the races and would like to add a shirt, please use the form (coming soon).

### Unisex Shirt Sizes

Specs:

	XS	S	M	L	XL	2XL	3XL	4XL
Full Chest Width (Circumference)	37	39	41	44	47	50	53	56
Half Chest Width	18.5	19.5	20.5	22	23.5	25	26.5	28
Length	26.5	27.5	28.5	29.5	30.5	31.5	32.5	33.5

### Women's Shirt Sizes

Specs:

	XS	S	M	L	XL	2XL
Full Chest Width (Circumference)	33	35	37	39	41	43
Half Chest Width	16.5	17.5	18.5	18.5	20.5	21.5
Length	23.5	24.5	25.5	26.5	27.5	28.5



## SportIdent Rental (or Purchase)

### Basic information about Electronic Timing

In the traditional SI system, when you insert your SI stick manually into the control box, the box emits a beep and the control number and time are recorded on your stick and also in the control box as a backup. The SIAC (SI-Air) system is different in that the control box is in “beacon” mode and emits a continuous signal that is picked up and recorded by your AIR+ stick when it’s within about 2 feet of the control box. Your stick will flash and emit a series of beeps to let you know it’s recorded the control.

### At this event:

- ❑ All courses will use SportIdent (SI) electronic timing (punching).
- ❑ All controls and the finish will be in beacon mode so that SI-Air cards may be used.
- ❑ Regular SI cards may also be used. They are available to rent at no additional charge. If you need one, please select “renting” on the first page of the registration form.
- ❑ SI-Air cards will be available at \$5 per day. This option is listed as a special item when registering; DO NOT select “renting” on the first page if you wish to use SI-Air.
- ❑ We have a limited number of SI-Air cards that may be purchased for \$68 each. This is also listed as a special item when registering.

## EVENT OFFICIALS

- ❑ Event Director: [Sandy Fillebrown](#)
- ❑ IOF Event Advisor: Takashi (Tac) Sugiyama (BAOC)
- ❑ Registrar: Patty Carrigan
- ❑ Course Design
  - ❑ Sprint: Karl Ahlswede
  - ❑ Middle: Greg Ahlswede
  - ❑ Long: Glen Tryson
- ❑ Lead Vetter/Controller: Petr Hartman
- ❑ Starts: Steve Aronson
- ❑ Results: Sam Kolins and Lena Kushleyeva
- ❑ Media: Summer McGrane
- ❑ Event Webpage: [Janet Tryson](#)