



# New Orleans Section, Inc.

Setting the Standard for Automation

April 2016  
The Current Pneusletter



## Next Section Meeting

Date Tuesday 5 April

Place Augie's  
6005 Jefferson Hwy.  
Harahan, La.

Time Social hour 6:00–6:30 p.m.  
Program and dining at 6:30 p.m.

Price Member—\$25  
Student—\$10

Click to  
RSVP [isanolaneworleans@gmail.com](mailto:isanolaneworleans@gmail.com)

Pav in  
advance Regular: Click [here](#) to pay in advance on PayPal.  
Student: please pay at the meeting. You do not need  
to have a PayPal account to use this link.

Click to check out the  
[ISA New Orleans, Inc.](#)  
web site

New venue  
**Augie's Restaurant**  
6005 Jefferson Hwy.

**Attend!  
Earn 1 PDH**

## Framework for Improving Critical Infrastructure Cybersecurity—An overview

Recognizing that the national and economic security of the United States depends on our critical infrastructure operating reliably, the president issued Executive Order 13636, *Improving Critical Infrastructure Cybersecurity*, on 12 February 2013. The order directed the National Institute of Standards and Technology (NIST) to work with stakeholders to develop a voluntary framework—based on existing standards, guidelines, and practices—for reducing cyber risks to critical infrastructure. One year after the issue of EO 13636, NIST released “Framework for Improving Critical Infrastructure Cybersecurity” Version 1.0 on 12 February 2014.

ISA New Orleans section is pleased to have one of its members and officers as this month’s presenter, Dean Bickerton. Dean’s presentation is an introduction to the “Framework” and will break down the core functions: Identify, Protect, Detect, Respond, and Recover. He will explore the categories and subcategories for each function and match them to example informative references such as existing standards, guidelines, and practices including our own ISA99. He will then look at available tools and resources from both NIST and ISA to assist in adopting, implementing, and improving a cybersecurity risk management program. Finally, he will close with an



overview of a roadmap for the Framework moving forward.

Dean Bickerton has been involved with industrial control systems since 1992 as a systems integrator, manufacturer, and automation distributor. He was involved in the early implementations and integration of PLC technology on Ethernet networks. Communications and networks have been key areas of focus for Dean throughout his career in industrial automation. He has become increasingly involved in the discussion of cybersecurity with clients in recent years and was involved in the early days of the Department of Homeland Security’s Linking the Oil and Gas Industry to Improve Cybersecurity (LOGIIC) project. He is a graduate of Auburn University with a Bachelors Degree in Electrical Engineering and is an Account Manager at The Reynolds Company.

This presentation will yield 1 PDH to attendees who are registered professional engineers.■

## New Orleans section’s April seminar

See the latest information on our spring seminar on pages 4 and 7. It is a full day event on industrial control system cybersecurity. It will be held on 27 April at the Metairie office of M S Benbow & Assoc. Find registration, times, topics, and fee information on pp. 4 and 7.■

## SECTION OFFICERS 2015–16

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## Articles & Announcements

### Articles and Announcements

Submit an article or announcement to *The Current Pneusletter* to Larry Iverson via [lhiverson3@att.net](mailto:lhiverson3@att.net).

### Deadline

Materials must be submitted by the 10<sup>th</sup> day of the month

## Sponsors

### Sponsors

Please contact our Marketing Chairman, Dean Bickerton, for more details and availability regarding future sponsorship with the ISA New Orleans Section beginning in the fall.

## President's Message

**Brad Vicknair**

**President**

**ISA New Orleans Section**

**Ph.: (985) 351–7981**

[bjvicknair@ra.rockwell.com](mailto:bjvicknair@ra.rockwell.com)



Fellow members,

I want to start off by thanking everyone who attended our last meeting. It was a great event and I enjoyed spending the evening with you.

Our next meeting will be on Tuesday 5 April 2016, and will be at a new location: Augie's, located at 6005 Jefferson Hwy, Harahan, La. Our guest speaker will be Mr. Dean Bickerton from The Reynold's Company. Dean will be presenting and discussing his topic, "Framework for Improving Critical Infrastructure and Cybersecurity."

The April meeting will begin an exciting month for our section as it will be the preface for our Cyber Security Educational Seminar that will be on Wednesday 27 April 2016. We will have several cyber security experts as presenters for the event, so you'll won't want to miss it. All ISA New Orleans section members should have already received the promotional flyer via email. If not, you can find additional information in this month's newsletter on pages 4 and 7. Please take a minute to review the event and distribute the flyer to your colleagues so that we can maximize attendance.

I would also like to thank Executive Committee members for their hard work throughout the year and especially with pulling together the educational seminar. ISA relies heavily on volunteer Board members to maintain its success and we thank you for your time and dedication.

On that note, we are currently in the process of staffing the Board for next year. So, if you are interested in increasing your participation in ISA, it's time to raise your hand and volunteer. Please feel free to contact me if you are interested or if you have any questions.

I hope everyone has a great day and am looking forward to seeing you at a meeting or event soon!

Brad Vicknair, President  
ISA New Orleans Section, Inc.

**Next Meeting**  
**Executive Committee**  
**Tuesday 5 April 2016, 5:00–6:00 p.m.**  
**Augie's Restaurant**  
**600 Jefferson Hwy. Harahan, La.**

Editor's note: The meeting minutes of the 1 March meeting were not available for publication by the deadline date.

# Corporate Sponsors



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## Rockwell Automation

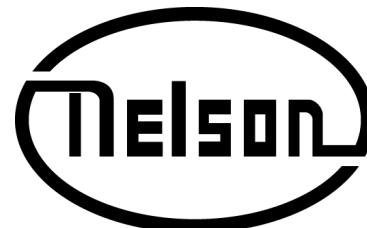
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By providing a wide spectrum of project services, we often work with clients from concept development to start-up, and regularly maintain a life-of-facility relationship with them through continuous support of operations. Visit [wsnelson.com](http://wsnelson.com).



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M S Benbow and Associates is a Professional Engineering Corporation that provides Electrical Power Systems, Instrumentation, Control Systems, and Telecommunications systems design, commissioning, start-up and testing services to clients across the Gulf South. Visit [msbenbow.com](http://msbenbow.com).



Keystone Engineering is a multi-discipline engineering consulting firm with over 300 employees; our locations include Metairie, Mandeville, Baton Rouge, Lafayette, Houston and Baltimore.

We offer civil/structural, mechanical, process, electrical, instrumentation and controls & automation engineering services to a largely industrial client base. Keystone is dedicated to providing a quality work product in a schedule-conscious, safe and cost-effective way. Our flexibility allows us to handle a broad range of project needs, from small efforts like a simple field sketch to multi-discipline project teams for large capital projects. Visit [keystoneengr.com](http://keystoneengr.com).



Champion Technology Services, Inc., was founded in 2000 with a main focus in industrial automation and control systems integration, and has since expanded that focus to include wireless communications and data management. Most automation projects include the design, fabrication, integration, installation, commissioning, and follow-up maintenance of control systems using the latest DCSs, PLCs, HMI, and hybrid systems. Our telecommunication services include tower maintenance and path surveys. Champion has eight offices spread throughout Louisiana, Texas, Utah, and Colorado and serves customers in the surrounding states and throughout the country. When it comes to technology, "we've got it under control!!" Visit [champtechnology.com/](http://champtechnology.com/).



## New Orleans Section

Featured Presenters Include:



### Industrial Control System Cybersecurity Seminar

Until recently, the reasons for securing Supervisory Control and Data Acquisition (SCADA) or Industrial Control Systems (ICS) weren't always that compelling to the end user. But cyber-attacks on are on the rise with the increased convergence of plant operations with IT infrastructure. The risks are certainly greater with critical infrastructure facilities such as Power, Oil & Gas, or Water/Wastewater plants. But smaller less critical processes are also exposed to cyber-attacks which can pose significant risks to human health and safety, the environment, and business operations.

To begin to address the risks and mitigation of cyber-attacks, the National Institute of Standards and Technology (NIST) has put together a framework to address ICS Cybersecurity. This ICS security guide advises on how to reduce the vulnerability of computer-controlled industrial systems to malicious attacks, equipment failures, errors, inadequate malware protection and other threats.

Join us for a special event that will discuss the main tenants of the NIST ICS Cybersecurity framework that includes Identification, Protection, Detection, Response and Recovery techniques as used in industry today.



**Wednesday, April 27, 2016**  
8:00 am – 4:30 pm

**M.S. Benbow**  
2450 Severn Ave  
Suite 400  
Metairie, LA 70001

**Cost**  
\$325 Members  
\$450 Non-Members

#### AGENDA

- 8:00 – 8:15 Welcome and Introductions
- 8:15 – 9:00 NIST Cybersecurity Framework Overview
- 9:00 – 10:30 Identify: Identifying the Threats to the ICS
- 10:30 – 12:00 Protect: How to Protect and Defend Against Cyber Threats
- 12:00 – 1:00 Lunch
- 1:00 – 2:30 Detect: Detection of Malicious Activities in Real-time
- 2:30 – 4:00 Response & Recovery: Response Planning and Recovery from an ICS Attack
- 4:00 – 4:30 Wrap-up, Panelist Q&A

Register to attend: <http://isanolacybersecurity.eventbrite.com>

**8.0 PDH Hours Available**

Learn more about ISA's complete portfolio of  
cybersecurity resources—visit [www.isa.org/cybersecurity](http://www.isa.org/cybersecurity)



## Did you know?

by Larry Iverson

New Orleans section has contributed over the years several of its members to Society leadership positions and other members have been recognized for their contributions to the Society.

The table reveals an impressive range of participation, positions, awards, and recognitions of current and past section members.

What distinguishes these members is their level of commitment and participation in section and Society activities. It would be impossible at this time to tally their volunteered man hours. Moreover, it would be impossible to provide an accounting of the contributions made by their employers in terms of time off, financial assistance in support of section and Society activities, and their loaning of physical facilities for meetings, plant tours, seminars, and the like.

Society recognition is open to any member. The Society maintains a broad set of awards and status classifications. Click on this URL to access the Society's web page: [isa.org/members-corner/isa-honors-and-awards/](http://isa.org/members-corner/isa-honors-and-awards/). Or go directly to the following recognitions and awards web pages: [ISA Fellow](#), [ISA Honorary Member](#), and [Celebrating Excellence Awards](#).

Some of the awards and recognitions listed in the table were replaced by new awards around about 2012. The Society no longer awards the last four in the list. They have been superseded by awards listed in the [Celebrating Excellence Awards](#) category. The Society currently offers 15 awards. Add to that number the ISA Fellow and ISA Honorary Member designations, and you have a total of 17 ISA recognitions and awards.

The above URL links provide descriptions of the awards, their qualifications, criteria for award, a nominating process, and rules for administration and judging. If you are interested in pursuing any of these recognitions, then check out the links and their embedded links.

Where are they now? Ram Ramachandran, Mike Benbow, Erston Reisch, and Larry Iverson still are active in section activities.

Ram spent last fall lecturing and participating in workshops to ISA sections in India on SIS and topics on measurement and control. His latest "foray" is in pipeline safety standards.

Mike is the section's Arrangements Chairman and, as ever, involved in his eponymously named business.

We see Erston and wife Karen every year at the honors and awards banquet—they sponsor the section at the SYC.

Larry serves as the section's newsletter editor, historian, and publications chairman.

David is retired and is engaged in genealogic research. He also was helpful and supportive in the recent updating of the section's the Manual of Organization and Procedures.

Hugh is retired. He and Pat divide their time between their homes in River Ridge and Delacroix. They also have made frequent international travel their goal.

Bob and Betty have been "travelling a lot," he writes.

Last month, they visited Bhutan, their 100<sup>th</sup> country. Volunteering as Facilities Manager at his church, where he does repairs and improvement work, keeps him busy when he's not travelling. And, he's president of the neighborhood homeowners association. Since his 2005 retirement, he has served as co-chair and then chair of the ISA Governance Structure Task Force and the Governance Structure Design Team, respectively.

Bill retired from Monsanto and, according to one source, maintains his email address on Monsanto's retiree list.

New Orleans section has a proud history of grooming members to serve at the highest levels of the Society. The same paths are open to today's members, too. Check them out for yourself! ■

Society President	
David Bishop	1992
Hugh Roser	1998
Robert Bailliet	2001
ISA Fellow	
G. Ramachandran	1994
David Bishop	1995
Robert Bailliet	1998
Distinguished Society Service (DSS) Award	
Robert Bailliet	1991
Erston Reisch	1996
G. Ramachandran	1997
William Walvoord	1997
Lawrence Iverson	2005
Golden Achievement Award	
Robert Bailliet	2009
G. Ramachandran	2010
S&P Award	
David Bishop	1995
Distinguished Friends of ISA	
M S Benbow & Assoc.	2003

## ISA New Orleans Section 2015-16 Program and Meeting Schedule

Date	Topic	Speaker
Tue. 5 April	Framework for Improving Critical Infrastructure Cybersecurity—An overview	Dean Bickerton, Account Manager, The Reynolds Company
Tue. 3 May	Energy Management and Sustainability	Richard Roth, Dawolfe Energy Solutions

### Meet our seminar speakers

#### ISA New Orleans Section Spring Seminar on Industrial Control System Cybersecurity

New Orleans section is honored to have a panel of distinguished speakers to provide insight and share best practices on topics related to industrial control system cybersecurity. Our seminar will follow the National Institute of Standards and Technology (NIST) Framework for Improving Critical Infrastructure Cybersecurity and will be broken down into topics around the core functions—Identify, Protect, Detect, Respond, and Recover—with each speaker focusing on a core function. Following is the lineup:

**Identify.** “Identifying the Threats to the ICS” by David Bacque, Senior Manager, Accenture Asset and Operations Services (AAOS), North America.

David Bacque is a Senior Manager with Accenture’s Asset and Operations Services division. He formerly held positions of increasing responsibility with Cimation as Industrial IT Consultant, Supervisor, Program Manager, and Director of Operations. Dave received his Bachelor of Science Degree in Information Systems and Decision Sciences (Management Information Systems) from Louisiana State University in 2001. Prior to his involvement with Cimation, Dave was involved in IT and systems administration at Albert Garaudy and Associates, TOTAL Petrochemicals, and Audubon Engineering.

**Protect.** “How to Protect and Defend Against Cyber Threats” by Mitch Williams, IT Operations Supervisor, Chevron Oronite Company.

Mitch Williams currently works in Belle Chasse, La., for Chevron Oronite Company. He is the IT Operations Supervisor and is responsible for the security and information protection governance for the entire IT system. He also supports global efforts to increase protection from cyber-attacks. Prior to joining Chevron, Mitch was appointed as the Network Security Officer (NSO) for the Coast Guard Finance Center. He and his team of IT

professionals have successfully passed several IT audits with the government and while working for Chevron.

Mitch earned a Bachelors Degree in Internetworking Technology from Strayer University and a Master’s Degree in Organizational Leadership from Ashford University. His experience in cyber security extends into network traffic analyzing, intrusion protection, next generation firewall as well as monitoring and alerting on suspicious behavior.

**Detect.** “Detection of Undesired Activities in Real-time” by Robert Albach, Senior Product Line Manager, IoT Security, Cisco Systems.

Robert Albach joined Cisco in 2010. As a product manager, he has defined and delivered three network security solutions. His most recent solution is Cisco’s first Industrial Security Appliance. Prior to his Cisco tenure, he guided the IPS management solutions and low end IPS solutions for intrusion prevention pioneer TippingPoint. Outside of network security, Robert has lead product management efforts in the application management space at IBM/Tivoli; BMC; and Quest Software.

The final topics are still in development with committed companies and speakers.

A speaker from Dupont will cover the topic of Response and another industry consultant will discuss Recovery. More details on these speakers, their topics, and biography will be available in the coming weeks.

We will conclude the seminar with an open Q&A discussion with our distinguished panelists.

We are extremely excited about our seminar this year. The topic is timely and our speakers are subject matter experts in their fields.

Please register [here](#) and join us for what will prove to be a very high value event to our automation community.■

## PIPE—family fun eat and run

New Orleans section belongs to PIPE—Petroleum Industry Promoting Education. PIPE's petroleum industry companies and societies focus on education and outreach.

PIPE's current major initiative is to coordinate fund raising efforts to support energy-related exhibits at the Early Learning Village of the Louisiana Children's Museum (LCM) and the Children's Museum of St. Tammany (CMST). Both have agreed to include an exhibit in their museum that is positive to the petroleum industry. We think the exhibits will inspire children and improve the perception of our industry for both locals and tourists who visit the museums. The more money PIPE raises, the bigger and better exhibits. This is a one-time opportunity since the exhibits will be built into the museum designs. PIPE is trying to get all of the petroleum related companies in the area involved to see how much we can do when we all work together.

In this vain, PIPE has its Family Fun Eat and Run event on Sunday 15 May 2016 at City Park. The event includes 5k and ½-mile runs. Serious runners may start at 8:30 a.m., but most folks will enjoy a leisurely, non-competitive walk from service provider food tent to ser-

vice provider food tent. Our slogan is that this will be the Unhealthiest 5k ever! We wanted an event to bring our families to where they could get some of the wonderful food we usually experience at golf tournaments, tennis tournaments, clay shoots, etc. This will definitely be a family oriented event and we will have shorter distance competitions for children divided by age group with lots of prizes for the children.

Here's what you can do to support the effort:

- Have your company sponsor the event (sign up at <http://connect.spe.org/delta/home>)
- Have your company set up a food tent at the event (sign up at [rickf@llog.com](mailto:rickf@llog.com))
- Attend the event with your family (registration at <http://nolarunning.com/>)
- Encourage others to attend the event!

We hope you will come out and have a great time and show the community how many people in our community work in the energy industry! We provided a registration form in this month's newsletter (see p.8) or you can sign up directly on the [nolarunning.com](http://nolarunning.com) website.

If you have any questions, contact Rick Fowler, API-Delta Chapter, at [rickf@llog.com](mailto:rickf@llog.com) or (985) 801-4323.■

## This month's safety topic—National Poison Prevention Awareness Month

Every year during the month of March we take the time to focus on poison prevention and the education of both children and adults on this subject. Making yourself and others knowledgeable on the different forms of poison, routes of entry, and prevention of exposure could be just the information needed to help save a life.

A poison is a substance including medication, which is harmful to your body if too much is eaten, inhaled, injected, or absorbed through the skin. The National Poison Prevention Council states that more than 2 million poisonings are reported each year. Though the majority of non-fatal poisonings occur in children younger than 6 years old, poisonings are one of the leading causes of death among adults.

In many instances, these poisonous substances may be found in the workplace. If they are handled improperly or appropriate decontamination steps are not taken then the substance may be transferred home where direct exposure can occur.

When required to handle a potentially poisonous substance at work it is important to first consult the Material Safety Data Sheet for proper personal protective equipment requirements, handling procedures, and first-aid instruction. Other tips to prevent exposure that may not be listed on the MSDS are:

- Remove PPE and work clothes in proper sequence
- Keep food out of work area
- Wash hands before eating, drinking, smoking, or using the bathroom
- When possible shower and change clothes before leaving work
- Avoid putting street clothes/PPE or work clothes in same locker
- Launder separately
- Avoid taking tools, scrap, etc. home

Some poisonous substances may call for precautions to be taken to protect surrounding trades as well as the workers in direct contact with the hazard. This can be done by providing ventilation, restricting entry to hazardous areas, requiring the use of PPE specific to the substance, and training all employees to consult the MSDS when necessary.

If you think someone has been poisoned from a medicine or chemical call 1 (800) 222-1222, this is a national toll-free number that may be dialed from anywhere in the United States. There are representatives available 24/7 that are familiar with the toxicity of most substances and recommended treatment.■



\* Benefiting three area Children's Museums

**DATE:** Sunday, May 15, 2016

**TIME:**

- 7:00 am: Race Day Registration and packet pickup opens
- 8:30 am: Start of 5K Run/Walk
- 9:30 am: Start of 1/2 Mile Run/Walk

**LOCATION:** City Park, New Orleans \*site of the new Louisiana Children's Museum( intersection of Henry Thomas Drive & Palm Drive )

**PROCEEDS BENEFIT THREE AREA CHILDREN'S MUSEUMS**

Support the Louisiana Children's Museum-New Orleans, the Bayou Country Children's Museum in Thibodaux or the Children's Museum of St. Tammany in Covington.

Choose below to benefit one or all three Children's Museums.

**ENTRY FEES:** Payable to NORSI

**ADULT (18 & OVER)**

➤ \$30.00 by April 15 + \$35.00 by May 9 + \$40.00 Day of Race

**YOUTH:** \$10.00 Age 11 to 17 + Free: Age 10-under

**HOW TO REGISTER:**

- Online link posted at [www.NOLARunning.com](http://www.NOLARunning.com)
- **BY MAIL TO:** \* Postmarked deadline May 1<sup>st</sup>  
NORSI, P. O. Box 2348, Kenner, La 70063



## "Family Fun Eat & Run"

### 5K and 1/2 Mile Run/Walk

Sunday, May 15, 2016 + City Park, New Orleans, La

**PRE-REGISTER In Person** ( Available at the following locations)

\*\* Payable by check to: **NORSI**

- Varsity Sports, 3450 Magazine Street, New Orleans
- GNO Cyclery, 1426 S. Carrollton, New Orleans
- Southern Runner, 8123 Oak Street, New Orleans
- Louisiana Running Company, 4153 Canal Street, New Orleans
- Elmwood Fitness Center, Harahan

**T-SHIRTS:**

Event T-Shirts given out on the day of race to pre-registered entrants first. All entrants registered day of race will receive t-shirt as supplies allow. In event of reorder, details will be announced and posted on event website. Please keep race number and t-shirt tag to claim your shirt.

**AWARDS:**

5K: 1<sup>st</sup> overall, 1<sup>st</sup>, 2<sup>nd</sup> Place age groups 10-under thru 75-over  
1/2 Mile Kids Run/Walk: 1<sup>st</sup> overall, 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> place ages 6-under, 7-9, 10-12, 13-15  
Medallions to all 1/2 mile youth division finishers.

**POST RACE REFRESHMENTS + Sponsored by:**

Food courtesy of numerous sponsors . Kentwood Springs Water, Beer, Elmer's Chee Wees, Fruit.

**RACE INFORMATION:**

- Produced by: New Orleans Running Systems, Inc. and PIPE
- Website: [www.NOLARunning.com](http://www.NOLARunning.com) + Email: [chucknorsi@cox.net](mailto:chucknorsi@cox.net)
- Race Director: Chuck George + PHONE: 504-468-1488

### "Family Fun Eat & Run" + 5K & Kids Fun Run/Walk, Sunday, May 15, 2016 + City Park, New Orleans, La. 70124

**ADULT (18 & OVER)**   **YOUTH (17 & UNDER)**

<input type="checkbox"/>	\$30	By April 15	<input type="checkbox"/>	\$10.	Age 11-17
<input type="checkbox"/>	\$35	By May 9 <sup>th</sup>	<input type="checkbox"/>	Free	Age 10 & Under

**Please Place checkmark ( ✓ ) in box by Charity (ies) to donate to:**

<input type="checkbox"/>	Louisiana Children's Museum, New Orleans
<input type="checkbox"/>	Bayou Country Children's Museum, Thibodaux
<input type="checkbox"/>	Children's Hospital of St. Tammany-Covington

**CHECK PAYABLE TO:**

**NORSI**  
P. O. Box 2348  
Kenner, La. 70063

All entry fees are non-refundable\*

**BIB NUMBER**

**AMT PAID:**

**METHOD PAID**

**INITIALS:**

**OFFICIAL USE**

**LAST NAME**

\*\* PLEASE PRINT CLEARLY \*\*

**FIRST NAME**

**MI**

**STREET ADDRESS / APARTMENT NUMBER**

**CITY**

**STATE**

**ZIPCODE**

**TELEPHONE NUMBER**

**DATE OF BIRTH**

**AGE**

**MALE**

**FEMALE**

**T-SHIRT SIZE:**

YS

YM

S

M

L

XL

XXL

**E-MAIL ADDRESS**

**VISA   MC   ACCOUNT NUMBER**

**Payment of Credit Card**

**EXPIRATION DATE:**

**CVV Code**

**Printed Name of Cardholder**

**Signature of Cardholder**

I know that running a road race is a potentially hazardous activity. I should not enter and run unless I am medically able and properly trained. I agree to abide by any decision of a race official relative to my ability to safely complete the run. I assume all the risks associated with running in this event but not limited to fall, contact with other participants, the effects of weather, including high heat and/or humidity, traffic and other conditions of the road, all such risks being known and appreciated by me. Having read this waiver and knowing those facts and in consideration of your accepting my entry, I for myself and anyone else entitled to act on my behalf, waive and release New Orleans Running Systems, Inc., PIPE and all sponsors, their representatives and successors from all claims in liabilities of any kind arising out of my participation in the event. I grant permission to all of the foregoing to use any photographs, motion picture recordings or any other record of this event for any legitimate purpose.

**SIGNATURE:**

**Date:**

**SIGNATURE:**

**Date:**

Signature of Parent or Guardian required if entrant is under 18