INTERNATIONAL TRAUMA conference

November 7-10, 2018
ST. LOUIS, MISSOURI
Hilton St. Louis at the Ballpark

World-class trauma education and networking in downtown St. Louis

SPONSORED BY
ITLS
International Trauma Life Support

ITRAUMA.org/conference
Join us in November for the world’s premier trauma conference attracting EMS and trauma care professionals from around the globe. Catch up with old friends and make new connections at a program that celebrates the diversity of trauma worldwide.

### Featured Speakers:

- **Cindy Bitter, MD, MA, MPH, FACEP**
- **Bryan E. Bledsoe, DO, FACEP**
- **Maia Dorsett, MD, PhD**
- **Gerald R. Fortuna, Jr., MD, MBA, FACS Col, USAF, MC, SFS**
- **Jon R. Krohmer, MD, FACEP, DABEM-EMS**
- **Matthew D. Sztajnkrycer, MD, PhD, FACEP**

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Who should attend:

- Paramedics
- Nurses
- EMTs and first responders
- Emergency physicians
- Trauma surgeons
- EMS administrators
- EMS educators

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ITRAUMA.org/conference
Trauma education and networking in vibrant St. Louis ...

Only at the International Trauma Conference

Hot Topics on the Agenda:
- Evolution of clinical EMS care • REBOA
- Adjuncts to circulation • Out-of-hospital hemorrhage control • Chemical warfare agents • Las Vegas mass shooting response • Trending EMS topics • More

REGISTER
ITRAUMA.org/conference
Register before October 1 and SAVE!

#trauma18
Friday, November 9

8:15 am - 9:15 am
Future of EMS: Where Are We Going?
Jon R. Krohmer, MD, FACEP, DABEM-EMS

9:45 am - 10:30 am
The Golden Hour of Trauma in the 21st Century
Yosef Jose Greenspon, MD, FACS

11:10 am - 12:00 pm
Lightning Rounds: It’s a Bloody Mess – Adjuncts to Circulation
Maia Dorsett, MD, PhD
Melissa Kroll, MD
John Wilmas, MD, FACEP

1:00 pm - 5:00 pm
Trauma Competition
Watch teams from around the globe compete in simulated trauma scenarios: CE hours available for spectators!

Saturday, November 10

8:00 am - 8:45 am
Chemical Warfare Agents – Why They Are Still Relevant
Matthew D. Sztajnkrycer, MD, PhD, FACEP

8:45 am - 9:20 am
REBOA: Fad or Game Changer? Trends in Emergency Resuscitation Past, Present and Future
Gerald R. Fortuna, Jr., MD, MBA, FACS, Col, USAF, MC, FACS

9:30 am - 10:15 am
Out-of-Hospital Hemorrhage Control
Brandon B. Bleess, MD, EMT-T, FAAEM

10:35 am - 11:20 am
The P’s of Preventing Hypoxia During RSI
Michael D. Gooch, DNP, ENP, EMT-P

11:30 am - 12:15 pm
Lightning Rounds: Trending Topics
Laurie Punch, MD, FACS
Jeffrey Siegler, MD, EMT-P, EMT-T
Sven Steen, MD

1:40 pm - 2:25 pm
CONCURRENT SESSIONS:
Burn Management in the Low-Resource Setting
Cindy Bitter, MD, MA, MPH, FACEP

Ultrasound Uses in Pediatric Trauma
Qirong Du, MD

2:35 pm - 3:20 pm
CONCURRENT SESSIONS:
Anticoagulation in the Extreme Rural Trauma Patient: The Question of Reversibility and Data from RACCR
David Cornutt, MD

IEDs, Blast Injuries and Treatments
Jarred Alden, MA, NRP

3:30 pm - 4:30 pm
October 1, 2017: The Las Vegas Shooting
Bryan E. Bledsoe, DO, FACEP

New Format for Research in 2018!
10-minute Research Forum topics will be presented on Friday and Saturday, directly following general sessions. Complete schedule at ITRAUMA.org/conference!
FACULTY SPOTLIGHT

It’s a Bloody Mess – Adjuncts to Circulation
Update your practice with lightning rounds focused on bleeding control and adjuncts to circulation. Explore special considerations for management of geriatric trauma patients with Dr. Maia Dorsett, with a focus on anticoagulant use and reversal. Review permissive hypotension with Dr. Melissa Kroll to identify indications for use and patient exceptions. Analyze data on transfusion of blood products in the pre-hospital setting with Dr. John Wilmas, to evaluate the efficacy of earlier use to treat active hemorrhage.

Featuring Presenters:

Maia Dorsett, MD, PhD
Attending Physician, Clinical Instructor, Department of Emergency Services, University of Rochester Medical Center, Rochester, New York, USA
Topic: Management of the Geriatric Trauma Patient on Anticoagulation Therapy

Melissa Kroll, MD
Clinical EMS Instructor, Division of Emergency Medicine, Washington University School of Medicine, St. Louis, Missouri, USA
Topic: Permissive Hypotension

John Wilmas, MD, FACEP
Medical Director, ARCH Air Medical Service, St. Louis, Missouri, USA
Topic: Transfusions in the Pre-Hospital Setting

Trending Topics
Trending topics lightning rounds pulls together a diverse set of hot issues in pre-hospital trauma care. Focus on pre-hospital practice with Dr. Laurie Punch, who will define the role of hemostasis in preventing trauma deaths and discuss the potential impact of training the public as first responders. Focus on pre-hospital safety with a review of body armor by Dr. Jeffrey Siegler, who will summarize the evidence to support ballistic protection and body armor for use in EMS. Focus on pre-hospital well-being with Dr. Sven Steen, who will demonstrate the effects of provider fatigue and best practices for mitigation.

Featuring Presenters:

Laurie Punch, MD, FACS
Associate Professor of Surgery, Washington University in St. Louis School of Medicine, St. Louis, Missouri, USA
Topic: Pre-Hospital Hemostasis and Preventable Trauma Deaths

Jeffrey Siegler, MD, EMT-P, EMT-T
EMS Physician, Section of EMSI, Instructor, Division of Emergency Medicine, Washington University School of Medicine, St. Louis, Missouri, USA
Topic: EMS and Body Armor

Sven Steen, MD, EMT-T
EMS Fellow, Division of Emergency Medicine, Washington University School of Medicine, St. Louis, Missouri, USA
Topic: Pre-Hospital Provider Fatigue
Learning Objectives

After the conference sessions, participants will have increased knowledge of best practices based on current literature regarding each session that participants attend, applying the clinical, practical and education review points of each attended session, allowing change in practice by integrating trauma’s latest innovative strategies in emergent care arenas for their health systems and community.
General Sessions

Jose Yosef Greenspon, MD, FACS, FAAP
Associate Professor of Surgery and Pediatrics, St. Louis University, SSM Health Cardinal Glennon Children’s Hospital, St. Louis, Missouri, USA

Presenting:
The Golden Hour of Trauma in the 21st Century
Pediatric trauma surgeon Dr. Jose Yosef Greenspon will examine the impact of aggressive prehospital care for polytrauma in the 21st century to improve patient outcomes. His session will demonstrate the evolution of the golden hour through history into contemporary practice, with a focus on identifying patients that would benefit most from aggressive management and strategies for effective triage.

Matthew D. Sztajnkrycer, MD, PhD, FACP
Professor of Emergency Medicine, Mayo Clinic, Rochester, Minnesota, USA

Presenting:
Chemical Warfare Agents – Why They Are Still Relevant
Since 1997, the development, production, and use of chemical weapons have been prohibited under the United Nations Chemical Weapons Convention. Despite this, there has been significant use of these banned substances in the past 5 years, including chemical attacks against civilians in Syria and Iraq, and the use of nerve agent in the assassination of Kim Jong Nam. In the current security climate, EMS responders must be aware of recent trends in chemical weapon use, as well as research into clinical effects, counter-measures, and triage. Dr. Matthew Sztajnkrycer will outline management of pulmonary, vesicant, and nerve agents, as well as issues in personal protection and mass human decontamination. Participant discretion is advised due to graphic content.

Jon R. Krohmer, MD, FACP
Director, Office of EMS, The National Highway Traffic Safety Administration (NHTSA), Washington, DC, USA

Presenting:
Future of EMS: Where Are We Going?
Keynote speaker Dr. Jon Krohmer, Director of the Office of EMS for the U.S. National Highway Traffic Safety Administration (NHTSA), will kick off the conference with an inspirational discussion of the future of EMS and trauma care. Dr. Krohmer will illustrate the impact of coordinated regional trauma systems to improve patient care and will predict the transformative trends in clinical care over the next 20 years. Be at the forefront of developing and implementing a more cooperative, integrated approach to sharing pre-hospital and hospital resources for the most effective care of trauma patients.

Continuing Education

PHYSICIANS: This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint provid- ership of the American College of Emergency Physicians, Illinois College of Emergency Physicians, and International Trauma Life Support. The American College of Emergency Physicians is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The American College of Emergency Physicians designates this live activity for a maximum of 24.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity. Approved by the American College of Emergency Physicians for a maximum of 24.5 hours of ACEP Category I credit.

PHYSICIAN ASSISTANTS: American Academy of Physician Assistants (AAPA) accepts certificates of participation for educational activities certified for AMA PRA Category 1 Credits™ from organizations accredited by ACCME or a recognized state medical society. Physician assistants may receive a maximum of 24.5 hours of Category I credit for completing this program.

PARAMEDICS AND EMTS: This continuing education activity is approved by CAPCE for a maximum of 24.5 continuing education hours: 12.75 hours for 2-day conference, 8.0 hours for Critical Ultrasound for Prehospital Trauma Management course, 6.25 hours for the Geriatric Trauma Workshop, 7.25 hours for the ITLS High Threat Trauma Update, and 3.75 hours for Case-Based ITLS Workshop.

NURSES: This activity has been submitted to the Emergency Nurses Association for approval to award contact hours. The Emergency Nurses Association is accredited as an approver of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation.
**Concurrent Sessions**

**Jarred Alden, MA, NRP**  
Lieutenant, Akron Fire Department, Akron, Ohio, USA  
**Presenting:**  
**IEDs, Blast Injuries and Treatments**  
This tactical-focused presentation will spotlight blast injuries caused by IEDs, including a review of IED components and their specific mechanisms of injury as well as prediction of wounds based on blast stages. Lt. Jarred Alden will discuss treatment of blast injuries with a focus on strategies to prevent the lethal triad of hypothermia, acidosis, and coagulopathy.

**Cindy Bitter, MD, MA, MPH, FACEP**  
Assistant Professor, St. Louis University, St. Louis, Missouri, USA  
**Presenting:**  
**Burn Management in the Low-Resource Setting**  
Dr. Cindy Bitter will review global epidemiology of burn injuries and primary assessment of burn patients with management of immediate life threats. Her evidence-based session will evaluate novel burn wound care techniques in the austere setting and assess controversies in fluid management, including the risks of fluid creep. She will demonstrate the use of physiologic parameters to guide appropriate volume resuscitation and avoid the consequences of over-resuscitation.

**David Cornutt, MD**  
Chairman, Department of Emergency Medicine, Medical Director, Department of Clinical Research, Regional West Health Systems, Scottsbluff, Nebraska, USA  
**Presenting:**  
**Anticoagulation in the Extreme Rural Trauma Patient: The Question of Reversibility and Data from RACCR**  
Western Nebraska is home to several of the least densely populated counties in the continental United States. Nebraska native Dr. David Cornutt has collected early data on the reversal of anticoagulation in extreme rural trauma patients, drawing on his experiences at the regional Level 2 Trauma Center that receives trauma referrals from a 120,000 square mile radius. His session will review new anticoagulation agents of reversibility and their utilization, distribution and effects on the extreme rural trauma patient.

**Qirong Du, MD**  
Associate Professor of Trauma, Xinhua Hospital, Shanghai Jiaotong University School of Medicine, Shanghai, China  
**Presenting:**  
**Pediatric Trauma**  
Focused assessment with sonography in trauma (FAST) is routinely used to evaluate the adult blunt abdominal trauma patient, but its place in pediatric trauma has been less well defined. Recent reports suggest that the benefits of FAST for children include not only speed and accuracy but also limitation of the risks of radiation associated with computed tomography. Dr. Qirong Du will demonstrate the utility of FAST and contrast-enhanced ultrasound in detecting active bleeding, pseudoaneurysms, parenchymal organ injury, and other abdominal and torso trauma in pediatric patients.

**DISCLAIMER:** The materials presented at this conference are made available for educational purposes only. The material is not intended to represent the only, nor necessarily the best methods for the medical situation discussed, but rather is intended to present an approach or opinion of the presenters which may be helpful or of interest to participants.
Special Events

Business Session for Voting Delegates
Thursday, November 8, 2018  3:00 pm - 5:00 pm
A single Business Session will be held on Friday, November 8 before the conference begins. The Business Session will include voting for Board of Directors candidates and presentation of ITLS’ annual awards. Credentialing will be open from 1:00 PM to 3:00 PM on Thursday. Delegates must be credentialed before entry.

Opening Reception
Thursday, November 8, 2018  6:00 pm - 7:30 pm
Catch up with old friends and make new connections at the opening party to kick off the International Trauma Conference. The Exhibit Hall will open and light appetizers will be served. A cash bar will be available. Don’t miss it!

Trauma Competition
Friday, November 9, 2018  1:00 pm - 5:00 pm
Teams from around the world compete using the ITLS assessment to triage and treat trauma patients in simulated scenarios. Bring a team and showcase your patient care skills at this conference favorite event! Teams will complete 3 scenarios and the team with the highest accumulative score will be declared the winner. All team members must be registered for the full conference (special Competition Team rates available). The team captain is required to be a current ITLS-certified provider or instructor. Find out more at ITRAUMA.org/competition.

Research Forum
Friday, November 9 & Saturday, November 10, 2018 - Intermittent
The Research Forum presents thought-provoking original research, scheduled intermittently throughout the 2-day conference. Selected abstracts will be presented as ePosters, developed as a 10-minute PowerPoint presentation of research highlights followed by a brief Q&A session. An Excellence in Research award will be presented to the top investigator.

Social Event: City Museum
Friday, November 9, 2018  7:00 pm - 11:00 pm
Join your colleagues at the conference social event at the City Museum, an eclectic mixture of children’s playground, fun house, surrealistic pavilion, and architectural marvel made out of unique found objects. With four floors of interactive exhibits to explore, you’ll find novelty and delights at every turn. Your social event ticket gives you general admission access to the Museum all day Friday, not just during the reception hours. The reception will include a fried chicken dinner, a dessert bar sponsored by Missouri ACEP, and a cash bar. All registrants who wish to attend must purchase a ticket; tickets are NOT included with conference registration. Guests are welcome to attend.

ITRAUMA.org/conference
CRITICAL ULTRASOUND FOR PREHOSPITAL TRAUMA MANAGEMENT

Wednesday, November 7
8:30 am - 5:00 pm

The concept of critical ultrasound continues to evolve with the availability of high-quality mobile ultrasound devices and clinicians who have developed point-of-care ultrasound skills to manage patients in critical condition. This hands-on course demonstrates the integration of point-of-care image acquisition and interpretation with life support protocols, such as ITLS or ATLS, that follow an “ABCDE” or “head-to-toes” approach. This course model yields rapid, effective decision making and enhanced triage, diagnosis, therapy, monitoring and follow-up for patients with life-threatening conditions that include pneumothorax, hemothorax, hemoperitoneum, and cardiac tamponade.

Eligibility: Open to any current ITLS Provider or Instructor. Students receive an ITLS Critical Ultrasound certification upon completion.

Cost: $175 - with 2-day conference
$199 - Workshop only

Space is limited for all pre-conference programs! Register early to reserve your spot.

GERIATRIC TRAUMA WORKSHOP

Wednesday, November 7
8:30 am - 5:30 pm

This interactive workshop focuses on an interdisciplinary approach to geriatric trauma assessment and management. First, review risk factors in the geriatric population, discuss physiologic changes associated with aging, compare and contrast mechanisms of injury, and identify common challenges for assessment of geriatric patients. Then integrate your knowledge through practical application of the core principles in a fun and challenging geriatric obstacle course.

Eligibility: Open to any level of provider; no prerequisites. This is not a certification course.

Cost: $99 - with 2-day conference
$129 - Workshop only

ITLS HIGH THREAT TRAUMA UPDATE

Wednesday, November 7
8:30 am - 5:30 pm

This introduction to the new ITLS High Threat trauma program (replacing the ITLS Military course) presents a revised algorithm tailored specifically to the unique needs of the high threat environment, including military and tactical. This workshop demonstrates adapted skill sets for patient care in the high threat setting and introduces the new course materials, including patient scenarios and other course content. The ITLS High Threat program was developed to align to C-TECC and TCCC guidelines while incorporating lessons learned from first response and military personnel in the field. Discover a better approach to trauma care in the high-threat environment with ITLS.

Eligibility: Open to any level of provider; no prerequisites. This is not a certification course.

Cost: $109 - with 2-day conference
$139 - Workshop only
CASE BASED ITLS WORKSHOP
Thursday, November 8
8:30 am - 12:30 pm

Case Based Learning (CBL) associates theory to practice by applying knowledge to scenarios using inquiry-based learning methods. The result is a more flexible course that enhances students’ comprehension and skills. New scenarios will be released by ITLS this summer to facilitate the ITLS Core Curriculum. This workshop, led by members of the ITLS Editorial Board Scenario Development Workgroup who created the new scenarios, will guide you from start to finish through the process of conducting a CBL ITLS course to promote student-centered active learning with a focus on critical thinking and problem solving. Ready to take your courses to the next level? This workshop will show you all the strategies for CBL success.

Eligibility: Open to any level of provider; no prerequisites. This is not a certification course.

Cost: $69 - with 2-day conference
      $89 - Workshop only

NOTE: CNE credit not available for pre-conference workshops.

LEADERSHIP FORUM
Thursday, November 8
1:00 pm - 2:45 pm

The ITLS Leadership Forum focuses on cultivating the key leadership skills that help you accelerate the growth and development of your ITLS program worldwide. This targeted workshop explores best practices and new strategies for teaching ITLS and administering ITLS programs. The Forum concludes with Q & A to address your own ideas, concerns and suggestions for the future. NOTE: No continuing education credit is provided for this program.

Eligibility: Open to all ITLS Chapter and Training Centre Medical Directors, Coordinators, program administrators and other leaders. All registrants are welcome to attend.

No charge to attend.
HILTON ST. LOUIS AT THE BALLPARK  
1 S. Broadway, St. Louis, MO 63102 USA  
Reservations: 314-421-1776  Book online: ITRAUMA.org/stlouis

The conference hotel is located in the heart of downtown, right next to Ballpark Village, within 100 yards of Busch Stadium and footsteps from the iconic St. Louis Gateway Arch. The conference room rate of $145 per night plus all applicable taxes includes complimentary guest room WiFi. The cutoff date for this rate is October 15, 2018.

Under the Gateway Arch of St. Louis ...

There’s so much to discover in vibrant St. Louis that the list of possibilities can seem overwhelming. Ballpark Village is the Gateway City’s newest dining and entertainment district located between Busch Stadium and the conference hotel, with endless options for food, drinks, nightlife, and sports. Or venture a little further to Laclede’s Landing, a hot spot combining rich local history with modern entertainment — still just a short walk from the hotel. Stroll along the riverfront and experience some of the city’s finest restaurants and nightclubs. Plan your evenings at explorestlouis.com.

Travel and Transportation  
Participants should fly into Lambert-St. Louis International Airport (STL), located just 20 minutes from the conference hotel.

Language & Currency  
All conference sessions and activities will be presented in English. The official currency of the International Trauma Conference is U.S. dollars (USD).
Visiting St. Louis in November

Crisp autumn air and vibrant foliage signal the arrival of fall in St. Louis. As the season winds down, the heat and humidity dissipate, making it the perfect time of year to get out and explore the city on foot. The weather in early November is expected in the mid-50s F (10 - 15 C), so plan to bring a jacket for the evenings to enjoy all that St. Louis has to offer at this time of year.

ITRAUMA.org/conference
Look for these industry leaders and more in the Exhibit Hall!

**Gold Sponsors**

- Missouri College of Emergency Physicians
- Simulaids by Nasco Healthcare
- SSM Health
- SLUCare Physician Group

**Silver Sponsors**

- Trauma Center
- BarnesJewish Hospital
- Washington University in St. Louis Physicians
- Pearson

**Exhibitors**

- American College of Emergency Physicians
- North American Rescue
- trucorp
- Washington University in St. Louis School of Medicine

Want to exhibit?

Exhibiting at the International Trauma Conference brings you face-to-face with key decision makers who purchase emergency medical products and services for EMS systems, hospitals and training institutions around the world. Target a diverse audience of industry professionals with ITLS. Exhibit and sponsorship opportunities available! Find out more at ITRAUMA.org/exhibit.
Registration

Two Day Registration Includes:
• Entry to all conference sessions and events on November 9-10
• Entry to the exhibition hall
• Access to the conference mobile app with all educational session materials
• Admittance to the Opening Reception on November 8
• Continental breakfast and breaks on November 9-10, plus lunch on November 9 (Lunch on November 10 is on your own)

One Day Registration Includes:
• Entry to all conference sessions and events on your specified day
• Entry to the exhibition hall (Friday only)
• Access to the conference mobile app with all educational session materials
• Continental breakfast and breaks on your specified day (Lunch on your own)
• Ticket to Opening Reception sold separately ($20 per ticket)

Social event tickets are sold separately for ALL registrants.

Food Truck Round-Up
A selection of St. Louis food truck favorites will be on-site at the hotel on Saturday, November 10 with great local options for on-your-own lunch. Cash and credit cards accepted at all.

Great Discounts in 2018!

Armed Forces Personnel & Full-Time Students
Discounted rates are available for all Armed Forces personnel (Active Duty and Active Reserve) and full-time students for the full 2-day conference. Proof of status is required.

Competition Team Pricing
A discounted rate is available for the members of a Competition Team. All members registered at this rate must compete in the 2018 Trauma Competition. All registrations must be submitted together to qualify.
Registrant Information
Please print clearly and circle your credentials. If your credentials do not appear below, please provide. The information you supply here will be used to generate conference badges and other materials.

First & Last Name                                MD, DO, FACEP, RN, EMT, EMT-P, FF, NRP, NREMT-P, ACP, Sr. Para., PA, TEM, TEM-P, SFC, CCFP

Address

City     State/Province   Country    ZIP/Postal Code

Telephone Number      Email Address  (confirmation materials will be sent to this address)

Registration Fees

Two Day
Physician/PA/Medical Director Before October 1 ( ) $449 After October 1 ( ) $499
Nurse/EMT/EMT-P ( ) $394 ( ) $434
Armed Forces Personnel* ( ) $311 ( ) $361
Full-Time Student* ( ) $145 ( ) $185
Competition Team* ( ) $862 - 3-Person Team ( ) $1,152 - 4-Person Team

*Please see Page 11 for registration details and eligibility requirements for special rates

One Day
Physician/PA/Medical Director ( ) $256 ( ) $286
Nurse/EMT/EMT-P ( ) $216 ( ) $246
I will attend: ( ) Friday, November 9 ( ) Saturday, November 10

Concurrent Session Selection - Saturday, November 10
( ) 1A - Burn Management in the Low-Resource Setting OR ( ) 1B - Ultrasound Uses in Pediatric Trauma
( ) 2A - Anticoagulation in the Extreme Rural Trauma Patient OR ( ) 2B - IEDs, Blast Injuries and Treatments

Pre-Conference Workshops
Critical Ultrasound for Prehospital Trauma Management ( ) $175 - with 2-day conference ( ) $199 - Workshop only
Geriatric Trauma Workshop ( ) $99 - with 2-day conference ( ) $129 - Workshop only
ITLS High Threat Trauma Update ( ) $109 - with 2-day conference ( ) $139 - Workshop only
Case Based ITLS Workshop ( ) $69 - with 2-day conference ( ) $89 - Workshop only
ITLS Leadership Forum ( ) No charge

Tickets: Social Event at the City Museum (optional)
Tickets are NOT included with registration. All who wish to attend must purchase a ticket. Guests welcome!

Adult Tickets x $42 = ________  Child Tickets x $32 = ________

TOTAL REGISTRATION FEE $____________  All prices in U.S. Dollars

Payment Method
Please do not send cash. Call ITLS at 630.495.6442 for wire transfer payment.

( ) Check enclosed (payable to ITLS)
( ) VISA ( ) MasterCard
( ) Discover ( ) American Express

Account Number
Exp. Date: __________________