



Access to SATCOM for the Next Decade

Preliminary Program

# ISCe 2008

San Diego Marriott Hotel & Marina, San Diego, California • June 10 – 12, 2008

**ISCe**

Satellite & Communications

a CeBIT Event

**26<sup>TH</sup>** AIAA INTERNATIONAL COMMUNICATIONS SATELLITE SYSTEMS CONFERENCE

(ICSSC 2008)  
www.aiaa.org



FEATURING

2ND ANNUAL

NAVY SATCOM  
USERS WORKSHOP

Three days + three shows + one location = unmatched networking opportunities and access to top decision makers in the commercial satellite industry and the U.S. military and government.

**That's ISCe 2008!**

[www.isce.com](http://www.isce.com)



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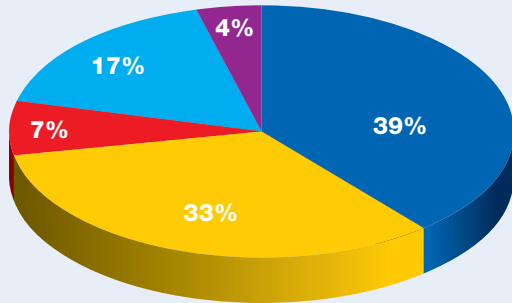


# 5 Reasons to Attend ISCe 2008

REASON 1

## Access to Decision Makers

ISCe has earned a reputation as the leading global SATCOM event that consistently attracts key leaders and decision makers from the private sector, military and government.

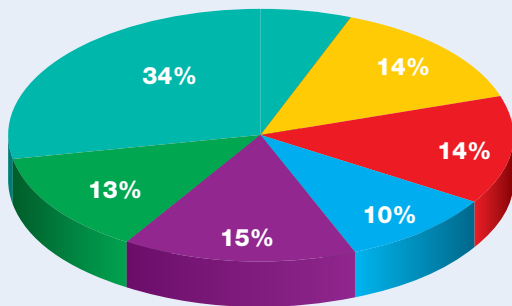
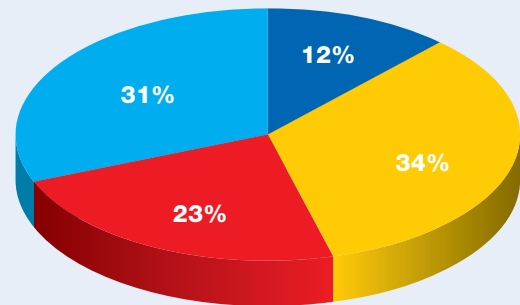


### Attendee Profile

- Management (CEO, COO, CFO, President, Owner, GM, VP)
- Business Development, Sales & Marketing, Communications
- Engineering, Operations, Network Management
- Military, Government
- Others

### Buying Power

- Final Decision Maker
- Significant Influence
- Initial Recommendations
- No Role



### Areas of Interest

- Internet Services; Broadband – Enterprise; Broadband – Consumer; Broadband – Government/Military
- Information & Communications, Wireless Solutions; Service Provider; Computer Telephony; Network Systems; VSAT Systems & Services
- Fixed Satellite Services; Mobile Satellite Services
- Manufacturers, Operators, Launch Providers; Ground Equipment/Systems
- Military Applications; Government Services; Navigation; Air Traffic Management; Remote Sensing; Emergency/Rapid Response
- Other

## Sample of Speakers

**Maj. Gen. James B. Armor, USAF (Ret.)**  
 Founder – The Armor Group LLC

**VADM Lyle Bien USN (Ret.)**  
 Former Deputy Commander-in-Chief – U.S. Space Command

**Rebecca M. Cowen-Hirsch**  
 Director, SES, PEO-ST5 – Defense Information Systems Agency (DISA), Program Exec Office SATCOM Teleport & Services

**Edwin Evans**  
 Director, Medical Communication Systems – Hospital Association of Southern California

**Lt. Col. Daniel B. Gammell, USAF**  
 MILSATCOM Systems Wing – Air Force Space and Missile Systems Center

**Glenn Katz**  
 President & Chief Operating Officer – Spacenet

**Brig. Gen. Rick Larned, USAF (Ret.)**  
 Space Expert – Member of Congressional Panel on Space

**VADM Samuel J. Locklear, III**  
 Commander, U.S. 3rd Fleet – U.S. Navy

**Brig. Gen. Jennifer Napper**  
 Principal Director for Operations/Deputy Commander, Joint Task Force-Global Network Operations – Defense Information Systems Agency (DISA)

**Glen Nash**  
 Supervising Telecommunications Engineer – California Dept. of General Services – Telecommunications Division

**Tip Osterthaler**  
 President & CEO – Americom Government Services

**CAPT. John Pope**  
 Program Manager, Communications Program Office, Program Executive Office, Command, Control, Communications, Computers, and Intelligence, PMW-170 – SPAWAR

**COL Patrick Rayermann**  
 Chief, Space & Missile Defense Division – U.S. Army

**Bill Ryan**  
 Program Manager, Continuity Communications Architecture – Department of Homeland Security

**Lt. Gen. William L. Shelton**  
 Commander – AFSC; Commander, Joint Functional Component Command for Space – U.S. Strategic Command, Vandenberg Air Force Base

**William Shernit**  
 President & Chief Executive Officer – Intelsat General Corp.

**Kai Tang**  
 Division Director, Navy SATCOM – PEO C4I

**RADM (S) Elizabeth Young**  
 Director, low-Earth-orbit System Program Office – National Reconnaissance Office (NRO)

**For the complete listing of speakers, go to [www.isce.com](http://www.isce.com)**

## Targeted Sessions

ISCe 2008 will have a range of conference sessions targeting everything you need to know about **Access to SATCOM for the Next Decade**. The comprehensive joint industry program, including the 7th annual ISCe, the 26th AIAA International Communications Satellite Systems Conference (ICSSC) and the 2nd annual Navy SATCOM Users Workshop, will provide highly focused presentations from leading industry executives and military/government personnel.

### Day One, June 10, 2008

#### Continuity of Government: Network Solutions in Peace and Crisis



Organized by World Teleport Association and Global VSAT Forum

As the U.S. and other nations have grappled with terrorist attacks and natural disasters in the homeland, they have with the vital role of communications in maintaining government. Our networked society depends flow of digital communications for everything and security to paying the bills and keeping plays a critical role in maintaining that flow, particularly crisis or catastrophe, because of its unique flexibility, and survivability. The first day of ISCe 2008 exploring satellite's fast-growing place in local, efforts to ensure continuity of government.

7:30–8:30 am

#### VIP and Speaker Breakfast

8:45–9:00 am

#### Conference Welcome Remarks

*David Brass, Chairman – ISCe 2008*

*Robert Bell, Executive Director – World Teleport Association (WTA)*

*David Hartshorn, Secretary General – Global VSAT Forum (GVF)*

9:00–10:00 am

#### Communications and Continuity of Government: An Overview

Introducing the key topics of the day, this roundtable panel identifies the role of communications and the challenges of providing it, in emergency management, disaster relief, security and border control, and energy source protection.

#### Moderator

*Maj. Gen. James B. Armor, USAF (Ret.), Founder – The Armor Group LLC*

10:00–10:20 am

#### Coffee Break



10:20 am–12:00 pm

#### Expecting the Worst: Emergency Management Communications in Uncertain Times

When natural or manmade disaster strikes, communications is the “glue” that holds together the response. Experience with disasters in this turbulent decade has made it clear that advance planning and resource allocation are the only ways to ensure that communications are available when they are most needed. An expert panel discusses how to plan, manage and fund communications for emergency management and provides examples from their wide-ranging experience.

#### Moderator

*David Hartshorn, Secretary General – Global VSAT Forum (GVF)*

#### Welcome Remarks

*Len Kwiatkowski, Vice President/General Manager – Lockheed Martin Space Systems Co.*

12:00–1:45 pm

#### ISCe 2008 Welcome Luncheon



#### Keynote Speaker

*Lt. Gen. William L. Shelton, AFSC; Commander, Joint Functional Component Command for Space – U.S. Strategic Command, Vandenberg AFB*

1:45–3:00 pm

#### Disaster Communications: Rewriting the Rules, Setting the Parameters

While advance planning is essential to emergency management, disasters frequently rewrite the rules on the spot. Key assumptions turn out to be unfounded and unnoticed weaknesses in the chain are suddenly revealed. That's when improvisation, based on sharp skills and deep experience, can save the day. Panelists explore how communications management plans can fail, offer advice on an effective response, and share experiences from the field.

#### Moderator

*Robert Bell, Executive Director – World Teleport Association (WTA)*

3:00–4:15 pm

#### Communications and Border Security: It's More Than Just Building a Fence

Securing the U.S. border sounds simple – until you consider that it consists of more than 36,000 miles of land and sea. Technology and communications offer the only chance to provide reasonable surveillance and security of the border. In this panel, experts on remote sensing, border control and civil and state communications experts profile the challenges, technologies and opportunities in this critical field.

#### Moderator

*David Hartshorn, Secretary General – Global VSAT Forum (GVF)*

4:15–4:30 pm

#### Refreshment Break



4:30–5:30 pm

#### Energy Source and Infrastructure Protection

The infrastructure that supports our advanced economy – from energy generation and transmission to surface and air transportation – is highly vulnerable to natural and manmade disaster. Diverse, survivable communications has become essential to managing the threat. This panel of experts reviews the vulnerabilities, risk reduction strategies and communications technologies in use and development.

#### Moderator

*Robert Bell, Executive Director – World Teleport Association (WTA)*

6:00–7:30 pm

#### ISCe Reception by the Pool, hosted by



#### Co-sponsored by



**Day Two, June 11, 2008**

**Military & Government Requirements Forum:  
Access to SATCOM for the Next Decade**

**7:15–8:15 am**

**VIP and Speaker Breakfast**

**8:30–8:40 am**

**Morning Welcome Remarks**

*David Bross, Chairman – ISCe 2008*

*Robert Frueholz, Ph.D., Chairman – ICSSC 2008*

**8:40–10:00 am**

**SIA “State-of-the-Industry Report”**

*Patricia Cooper, President – Satellite Industry Association*

**Keynote Address**

*Lt. Gen. John T. (Tom) Sheridan, USAF, Commander –  
Space and Missile Systems Center (Invited)*

**10:00–11:00 am**

**Coffee Break**



**11:00 am–12:30 pm**

**DoD’s Double Imperative: Global Connectivity  
at Higher Speeds... in an Age of Cyber Threats**

Hear a distinguished panel of government, military and industry experts debate DoD’s growing need for mobile connectivity, but with the added requirement that it be done at higher and higher speeds. Are those requirements truly compatible, or are they inherently at odds with each other? And with the power of global communications now demonstrably proven, can we reasonably expect them to remain off the adversaries target list? So, it’s about higher speed, greater mobility and mission assurance... in the presence of Cyber threats. Can it be done?

**Moderator**

*VADM Lyle Bien USN (Ret.), Former Deputy Commander-in-  
Chief – U.S. Space Command*

**12:30–2:00 pm**

**ISCe 2008 Leadership Luncheon and  
ICSSC Awards Luncheon**



**Welcome Remarks**

*William Shernit, President and Chief Executive Officer – Intelsat  
General Corp.*

**Keynote Address**

*RADM (S) Elizabeth Young, Director, low-Earth-orbit  
System Program Office – National Reconnaissance Office  
(NRO)*

**2:00–3:15 pm**

**Coordinating the “Comms”: PACOM;  
STRATCOM; CENTCOM; NORTHCOM; EUCOM**

Satellite-based communications have never been more critical to the mission-specific needs of the Pentagon worldwide. In addition to the planned TSAT and MUOS military satellite programs,

commercial satellite communications continue to play a pivotal role in the overall communications architecture of the global network of defense commands for the U.S. military and the NATO allies. What are the continuing challenges and opportunities for the commercial satellite operator in working with the military and government agencies? What role will commercial SATCOM services play in the ongoing wars in Iraq and Afghanistan? This group of military communications commanders and senior executives from global satellite operators will discuss the issues impacting both communities during this must-attend session.

**Moderator**

*COL Patrick Rayermann, Chief, Space & Missile Defense  
Division, U.S. Army*

**3:15–4:30 pm**

**Refreshment Break**

**4:30–4:45 pm**

**DISA Overview**

The Defense Information Systems Agency (DISA) provides a seamless, secure and reliable web of communications networks, computers, software, databases, applications and other capabilities that meet the information processing and transport needs of the Defense Department. DISA also ensures the integration and interoperability of command and control, communications, computers and intelligence (C4I) systems. What are DISA’s evolving requirements for working with the commercial sector? Join us for this must-attend forecast to industry.

**Speaker**

*Rebecca M. Cowen-Hirsch, Director, SES, PEO-STC – DISA,  
Program Exec Office SATCOM Teleport & Services*

**4:45–5:50 pm**

**The View From Wall Street & DISA –  
The Analysts Speak**

Wall Street continues to remain bullish on the satellite communications sector, despite the current volatility in global markets. What is the financial health of those key satellite communications companies that do business with the Defense Information Systems Agency (DISA), the Pentagon and the U.S. Department of Homeland Security? Will marketplace turbulence affect the government’s view of satellite companies and how contracts are competed for future services? This panel of Wall Street analysts and government officials will address this question and others affecting the financial health of companies that do business with the military and government.

**Moderator**

*Christopher Baugh, President – NSR*

**5:50–6:00 pm**

**Futron Corp. ISCe 2008 Attendee Survey Results**

*Andrea Maleter, Technical Director – Futron Corp.*

**6:00–7:00 pm**

**ISCe 2008 International Awards Dinner  
Reception**

**7:00–9:30 pm**

**ISCe 2008 Awards Dinner**



## Day Three, June 12, 2008

### 2nd Annual Navy SATCOM Users Workshop



7:30–8:30 am

#### VIP and Speaker Breakfast

8:30–8:45 am

#### Morning Welcome Remarks

*Patricia Cooper, President – Satellite Industry Association*

*Kai Tang, PEO Commercial SATCOM – SPAWAR*

8:45–9:30 am

#### ISCe 2008/ICSSC 2008 Joint Conference Plenary Session

##### Keynote Address

*VADM Samuel J. Locklear, III, Commander, U.S. 3rd Fleet  
– U.S. Navy*

9:30–10:00 am

#### Coffee Break

10:00 am–1:00 pm

#### Navy SATCOM Users Workshop Morning Presentations

#### U.S. Navy Commercial Satellite Communications Background/Strategy: Kai Tang (30 min)

- History and trends of U.S. Navy commercial satellite communications usage
- Current Satellite Communications Architectures (FSS/MSS)
- Navy MILSATCOM and COMSATCOM Roadmap, TSAT
- Centralized funding
- Requirements

#### Commercial SATCOM Today and Future

- Commercial Broadband Satellite Program (CBSP):  
**Melinda Ratz** (20 min)
- Shipboard networks: **Kurt Fiscko** (15 min)
- Airborne Networking: **Karl Gutekunst** (15 min)
- Navy Expeditionary Combatant Command (NECC):  
**Kevin Washburn** (tent.) (10 min)

Submarine Communications: **Mike Hutter** (tent.) (15 min)

#### Challenges

- Cradle to Grave (Acquisition and Fielding of Capability):  
**Kurt Fiscko** (40 min)
- SPAWAR Contracting Processes: **Karen Rainville** (15 min)

#### Expectations of Industry: Kai Tang (20 minutes)

- Responses to Submitted Questions

1:00–2:00 pm

#### Navy SATCOM Users Workshop Box Lunch/Afternoon Presentations



##### Keynote Address

*CAPT. John Pope, Program Manager, Communications  
Program Office, Program Executive Office, Command,  
Control, Communications, Computers, and Intelligence,  
PMW-170 – SPAWAR*

2:00–3:30 pm

#### Broadband and IP via Satellite for Navy Applications

This panel session will focus on the industry's broadband and IP capability to meet the needs of the U.S. Navy, using commercial satellite communications capacity, ground segment solutions, and access during peacetime and contingencies.

3:30–4:00 pm

#### Refreshment Break

4:00–5:30 pm

#### Satellite Applications to Support the Mobile Warfighter

This panel session will explore mobile broadband and IP technology with higher effective throughput, more efficient compression algorithms, new ground segment technology, and applications both from MSS and FSS comsatcom solutions.

##### Moderator

*VADM Lyle Bien USN (Ret.), Former Deputy Commander-in-  
Chief – U.S. Space Command*

5:30 pm

#### Concluding Remarks and Adjournment

*Patricia Cooper, President – Satellite Industry Association*

# 26th AIAA International Communications Satellite Systems Conference (ICSSC) Responsive Communication Systems and Services

## Monday, June 9

### 26th ICSSC Colloquium – Dual-Use and Multi-Use Systems and Services

Confirmed speakers include:

- **Denis Curtin**, Chief Operating Officer, XTAR, LLC
- **Joseph Pelton**, Director, SACRI-GWU
- **William Watkins**, Chief Technical Officer, Computer Sciences Corp.
- **Thomas Butash**, Engineering Fellow, BAE Systems
- **Takashi Iida**, Invited Advisor, National Institute of Information and Communications Technology (NICT)

## Tuesday, June 10

**Panel #1** — Technologies and Services Enabling Responsive Communications: the Industrial Perspective.

### Moderator

**Dr. Prakash Chitre**, Vice President and General Manager, Comsat Laboratories, ViaSat, Inc.

**Panel #2** — Technologies and Services Enabling Responsive Communications: the Government Perspective.

### Moderator

**Lt. Col. Daniel B. Gammell**, USAF, MILSATCOM Systems Wing, Air Force Space and Missile Systems Center

Technical Sessions Include:

- Advanced Link Concepts
- Advances in Payload Subsystems 1 and 2
- Communications Protocols 1 and 2
- Interactivity via Satellite
- Novel Satellite-Enabled Services 1 and 2
- Regulatory and Spectrum Sharing Issues 1 and Panel

## Wednesday, June 11

Technical Sessions Include:

- Advanced Communication Techniques 1 and 2
- Advances in Payload Subsystems 3 and 4
- Advances in Satellite Architecture 1 and 2
- Advances in Satellite Subsystems and Components 1
- Integrated Services for Disaster Relief 1
- Military Applications and Architectures
- Network Convergence 1
- Network Resource and QoS Management 1 and 2
- Responsive Space Panel
- Space Communications for Exploration Missions 1

## Thursday, June 12

Technical Sessions Include:

- Advanced Communication Techniques 3 and 4
- Advances in Satellite Subsystems and Components 2
- Antenna Technologies 1 and 2
- Communications for Unmanned Aerial Vehicles
- Earth Terminal Systems
- Integrated Services for Disaster Relief 2
- Network Protocols
- Network Convergence 2
- New Navigation Services
- Propagation and Mitigation Techniques
- Rapid Response Payloads
- Space Communications for Exploration Missions 2

### AIAA ICSSC-2008 Best Paper Presentation



## Unmatched Marketing Initiatives

In its new location, the ISCe 2008 conference and exhibit will provide increased opportunities for strategic marketing packages. The expanded 2008 Exhibit Hall will accommodate the increased demand for booth space and provide greater flow and networking opportunities. Conveniently located across from the conference sessions, the Exhibit Hall is sure to draw the crowds. The rest is up to you.

### Reserve your booth today!

Booth spaces are going quickly – don't miss this unique opportunity. Contact Rick Felperin at (301) 515-1154, rfelperin@hfusa.com or visit the ISCe Web site at www.isce.com to download an application form.

### Sponsorships Available

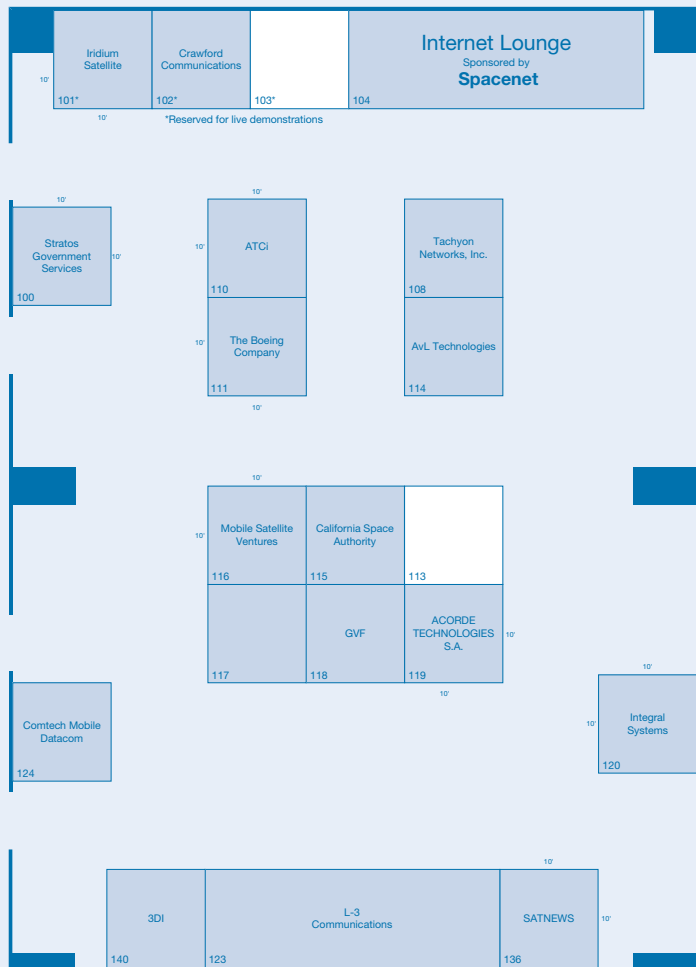
Heighten your brand visibility through targeted sponsorship opportunities. ISCe 2008 offers a number of sponsorships at different levels of participation that allow you to expand your marketing horizon while delivering an excellent return on your investment. Each sponsorship package includes value-added features, providing additional benefits to you!

Hurry – sponsorships are almost sold out! Contact David Bross at (301) 916-2236, dbross@hfusa.com or visit the ISCe Web site at www.isce.com to download an application form.

### Exhibit Hall Hours

**June 11**  
10:00 am-5:00 pm • Awards Reception 6:00-7:30 pm

**June 12**  
10:00 am-5:00 pm



## Unrivaled Networking Opportunities

The conference size and intimate venue, the convenient layout of the exhibit hall, the stunning San Diego location, and the ample networking opportunities are ideal for gaining access to the people who matter most to your business. Each of the three days of ISCe 2008 includes unique opportunities for meetings with clients and colleagues, and of course, relaxing among friends.

June 10	
7:30–8:30 am	VIP and Speaker Breakfast
10:00–10:20 am	Coffee Break
12:00–1:45 pm	ISCe 2008 Welcome Luncheon
4:15–4:30 pm	Refreshment Break
6:00–7:30 pm	ISCe 2008 Reception by the Pool, hosted by SSPI
June 11	
7:15–8:15 am	VIP and Speaker Breakfast
10:00–11:00 am	Coffee Break
12:30–2:00 pm	ISCe 2008 Leadership Luncheon and ICSSC 2008 Awards Luncheon
3:15–4:30 pm	Refreshment Break
6:00–7:00 pm	ISCe 2008 International Awards Dinner Reception
7:00–9:30 pm	ISCe 2008 Awards Dinner
June 12	
7:30–8:30 am	VIP and Speaker Breakfast
9:30–10:00 am	Morning Coffee Break
1:00–2:00 pm	Box Luncheon
3:30–4:00 pm	Refreshment Break

## Three Shows, One Location, One Registration

### Three Key Events

The 7th annual ISCe Conference and Exhibition, the 26th AIAA International Communications Satellite Systems Conference (ICSSC) and the 2nd annual Navy SATCOM Users Workshop collectively make up a comprehensive joint industry program. This world-class program will allow both the satellite engineering and business development communities to interact and discuss key issues, policies, challenges and opportunities facing the satellite industry.

### One Convenient Location

The 2008 ISCe Conference and Exhibition will be held at an exciting new location – the San Diego Marriott Hotel & Marina. This facility is conveniently situated with easy access to the city's most popular attractions. The layout of the Exhibit Hall and conference rooms, as well as the hotel amenities make this an inviting location to learn about developments in the industry, conduct business and mingle with friends and colleagues.

### One Single Registration

Registering for ISCe 2008 is as simple as logging onto the ISCe Web site. You can register for one of the events or all three events, a full conference pass or *a la carte*, online by going to www.ISCe.com. The choices are limitless, the process is simple.

# ISCe 2008

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<p><b>Organizers</b></p> <p>Hannover Fairs USA, Inc.</p> <p>American Institute of Aeronautics and Astronautics</p>	<p><b>Co-Hosts</b></p>	<p><b>Supporters</b></p>	<p><b>Media Sponsors</b></p>	<p><b>Industry Sponsors</b></p>
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