2019 ERII COUNTERESPIONAGE CONFERENCE

September 12-14, 2019 / Embassy Suites Old Town Alexandria, VA

CONFERENCE PROGRAM

The Espionage Research Institute International (ERII) 4445 Corporation Lane, Virginia Beach, VA 23462 www.erii.org

Dear Attendees:

On behalf of the Espionage Research Institute International (ERII), and its Advisory Board, it is our great privilege to welcome you to the 2019 ERII Counterespionage Conference in Old Town Alexandria, VA.

ERII's conference is an annual gathering of membership to discuss industry news and events, listen to presentations by esteemed TSCM/counterespionage professionals, see demonstrations of new TSCM equipment and network with distinguished colleagues.

We thank ERII Members and Sponsors who will present at the 2019 conference! Your participation is much appreciated, as is your willingness to share your knowledge with attendees representing the TSCM, counterintelligence and counterespionage communities.

As well, we thank the Co-Sponsors of the 2019 ERII conference. **Please join us in showing our appreciation to Professional Development TSCM Group Inc. (PDTG) and Berkeley Varitronics Systems Inc. (BV Systems) for co-sponsoring the 2019 ERII Counterespionage Conference.** The support of our conference Sponsors, and their excellence in products, technology and software helps to equip the TSCM community for success. **Thank you PDTG Inc. and BV Systems!**

We are hopeful that the 2019 ERII Counterespionage Conference will provide you with valuable information, knowledge of important TSCM tools/products and significant networking opportunities. The evenings also offer a chance to spend time with colleagues and experience Old Town Alexandria, including historic sites, shopping and dining. Enjoy your time in Alexandria!

Once again, welcome to the 2019 ERII Counterespionage Conference.

Best,

J.D. LeaSure
Director
Espionage Research Institute International

A Poorly Implemented Technical Security Program Fools Everyone — But the Attacker...

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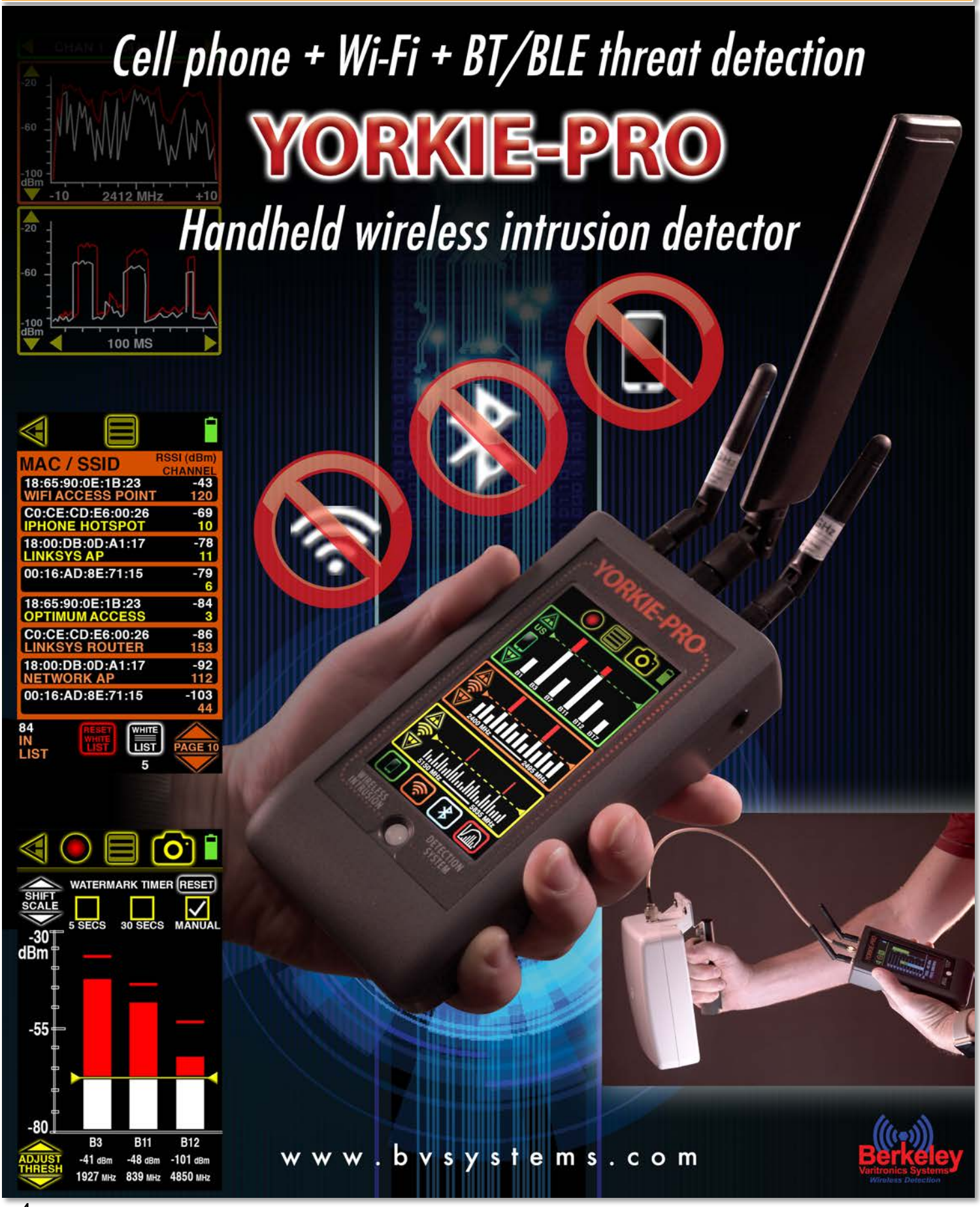
Cell phone + Wi-Fi + BT/BLE threat detection
YORKIE-PRO
Handheld wireless intrusion detector
MAC / SSID
RSSI (dBm)
CHANNEL
18:65:90:0E:1B:23 -43
WIFI ACCESS POINT 120
C0:CE:CD:E6:00:26 -69
IPHONE HOTSPOT 10
18:00:DB:0D:A1:17 -78
LINKSYS AP 11
00:16:AD:8E:71:15 -79
6
18:65:90:0E:1B:23 -84
OPTIMUM ACCESS 3
C0:CE:CD:E6:00:26 -86
LINKSYS ROUTER 153
18:00:DB:0D:A1:17 -92
NETWORK AP 112
00:16:AD:8E:71:15 -103
44
84 IN LIST
RESET WHITE LIST
WHITE LIST 5
PAGE 10
SHIFT SCALE
WATERMARK TIMER RESET
5 SECS
30 SECS
MANUAL
-30 dBm
-55
-80
B3 -41 dBm 1927 MHz
B11 -48 dBm 839 MHz
B12 -101 dBm 4850 MHz
ADJUST THRESH
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Berkeley Varitronics Systems
Wireless Detection

Schedule of Events (FINAL 09/10/2019)

Thursday - September 12, 2019

Time	Description	Location
6:00 AM - 9:30 AM	**Made To Order Breakfast For Hotel Guests**	Main Hotel Lobby
8:30 AM - 8:45 AM	**Welcome, Opening Address By J.D. LeaSure, Director of ERII**	Mason Room A/B
8:45 AM - 9:30 AM	**2019 State of Espionage Update By J.D. LeaSure, Director of ERII**	Mason Room A/B
9:30 AM - 10:00 AM	**Review of the ARINST SSA-R2 Russian Handheld Spectrum Analyzer & Review of The Triplett Wifi Hound Dedicated Tablet for Wifi Analysis By Charles Patterson, President of Exec Security TSCM.**	Mason Room A/B
10:00 AM - 10:30 AM	**Break (Refreshments)**	Mason Prefunction
10:30 AM - 12:00 PM	**UNDER THE RADOME: 4G/5G MIMO & Multi-Band Antenna Technologies By John B. Minor, Communications Expert.** *Overview of the Impact on Mobile Network Signals Analysis and Forensic Cell Site Analysis.* "This presentation will provide an overview of antenna types, function, and frequency bands and will address concepts including Always On, Beam Forming, Beam Steering and Direction of Arrival (DoA). The 5G New Radio (NR) anticipated implementation timeline will also be covered."	Mason Room A/B
12:00 PM - 1:00 PM	**Buffet Lunch**	Mason Prefunction
1:00 PM - 2:00 PM	**Yorkie-Pro Wireless Intrusion Detection System Live Demonstration By Carmine Carferra, Northeastern Regional Sales Manager, Berkeley Varitronics Systems.** "Carmine demonstrates Yorkie-Pro live, Berkeley's latest wireless intrusion detection product."	Mason Room A/B
2:00 PM - 2:10 PM	**Break**	Mason Prefunction
2:10 PM - 3:10 PM	**Commercial Lock Hardware and "Security" By George Carey President and Founder of Technical Surveillance Solutions LLC.** "An overview of commercial lock hardware function and vulnerabilities relevant to the TSCM practitioner, access control, a case study on access control failure and the remedy."	Mason Room A/B
3:10 PM - 3:30 PM	**Break (Refreshments)**	Mason Prefunction
3:30 PM - 4:30 PM	**Kestrel ® 3D Energy Probe (KEP) | Power Line and Radiated Antenna By By Paul D. Turner (TSS, TSI) Corporate Director of Professional Development TSCM Group Inc.** "This video presentation introduces the 3DEP-10 and provides insight into conducting advanced power line analysis based on both operator assisted and extended RSSM deployment options."	Mason Room A/B
5:00 PM - 7:00 PM	**ERII Sponsor Reception: Cocktails & Appetizers for Attendees**	Virginia Hall

Schedule of Events (FINAL 09/10/2019)		
Friday - September 13, 2019		
Time	**Description**	**Location**
6:00 AM - 9:30 AM	**Made To Order Breakfast For Hotel Guests**	Main Hotel Lobby
8:00 AM - 8:05 AM	**Daily Conference Briefing By J.D. LeaSure, Director of ERII**	Mason Room A/B
8:05 AM - 8:50 AM	**Cybersecurity Is Everybody's Business: Solve the Security Puzzle for Your Small Business and Home By Scott Schober, President and CEO of Berkeley Varitronics Systems.** "Scott provides an overview of his book including a card skimmer detection demo for a new product referenced in the book and a copy of the book for each attendee."	Mason Room A/B
8:50 AM - 9:00 AM	**Break**	Mason Prefunction
9:00 AM - 10:30 AM	**The Future of Spectrum Analysis By John B. Minor, Communications Expert.** *The Evolutionary Impact of 4G/5G eNodeB / gNodeB on Mobile Network Signals Analysis in TSCM Analysis and Forensic Cell Site Analysis Protocols.* "This presentation will provide an overview of the spectrum bands in use when full implementation of 5G is completed, insight into radio signal morphologies, and probable attenuation behaviors indoors and outdoors."	Mason Room A/B
10:30 AM - 11:00 AM	**Break (Refreshments)**	Mason Prefunction
11:00 AM - 11:15 AM	**Experiences and Demonstration of a 360 Degree Camera for TSCM Documentation By Richard Patterson of Exec Security TSCM.**	Mason Room A/B
11:15 AM - 12:00 PM	**What Does the Fox Say? By José V. García Director General of General Comunicaciones y Seguridad S.A.** "Sigfox technology for tracking and much more, a new player in the game along with 5G, Wi-Fi, Bluetooth and other well known communication systems."	Mason Room A/B
12:00 PM - 1:00 PM	**Buffet Lunch**	Mason Prefunction
1:00 PM - 1:15 PM	**ERII News & CCISM Program Update by Lisa LeaSure ERII Development Director**	Mason Room A/B
1:15 PM - 1:45 PM	**TSCM for Executive Protection By Joe LaSorsa of LaSorsa & Associates.** "This presentation will discuss TSCM needs as they coincide with the company's Executive Protection (EP) clients."	Mason Room A/B
1:45 PM - 2:00 PM	**Break**	Mason Prefunction
2:00 PM - 2:30 PM	**Demonstration of the ORIUS WI-Fi Hunter & New Non-Linear Junction Detector By J.D. LeaSure, President/CEO ComSec LLC.**	Mason Room A/B
2:30 PM - 3:00 PM	**Hidden Cameras By Charles Patterson, President of Exec Security TSCM.** "Corporate client's public incident and subsequent sweep of 100 restrooms."	Mason Room A/B

Schedule of Events (FINAL 09/10/2019)		
Friday - September 13, 2019		
Time	**Description**	**Location**
3:00 PM - 3:15 PM	**Voting For Best TSCM Presentation & Best New TSCM Product**	Mason Room A/B
3:15 PM - 3:45 PM	**Break (Refreshments)**	Mason Prefunction
3:45 PM - 4:00 PM	**Conference Awards Presentation By J.D. LeaSure, Director of ERII**	Mason Room A/B
4:00 PM - 4:05 PM	**Conference Closing Remarks By J.D. LeaSure, Director of ERII**	Mason Room A/B

Schedule of Events (FINAL 09/10/2019)		
Saturday - September 14, 2019		
Time	**Description**	**Location**
7:00 AM - 10:30 AM	**Made To Order Breakfast For Hotel Guests**	Main Hotel Lobby
9:00 AM - 9:45 AM	**Individual Travel from Embassy Suites to the New International Spy Museum (Address: 700 L'Enfant Plaza SW, Washington, DC 20024)**	N/A
9:45 AM - 12:30 PM	**Visit the New International Spy Museum**	700 L'Enfant Plaza SW, Washington, DC 20024

ABOUT THE ESPIONAGE RESEARCH INSTITUTE INTERNATIONAL

ERII's Mission:

The mission of the Espionage Research Institute International is to educate and advance best practices in the counterespionage / counterintelligence, and TSCM community through excellence, applied learning, and research that examines issues of strategic importance to the sector.

ERII's Aim:

The aim of ERII is to ensure the skill sets and the knowledge of TSCM, Counterintelligence and Counterespionage professionals evolves as changes in spying tactics, eavesdropping devices and detection methods occur. The organization's success is a collaborative effort of members from around the globe with expertise in various areas within the umbrella of counterintelligence and TSCM.

HELPFUL INFO:

Hotel Check In / Check Out Times:

Hotel check in begins at 3 PM and you must check out by 12 PM. If you need to check in sooner, or check out later, please make arrangements at the hotel front desk. The hotel does offer luggage storage, which can also be arranged at the hotel front desk.

ERII Conference Badge:

ERII Conference badges will be available at the registration table inside Mason Room A/B (on the 2nd floor) beginning at 7:45 AM on Thursday, September 12, 2019. Be sure to wear your ERII Conference badge when attending daily conference sessions and to the Sponsor Reception in the Virginia Hall on Thursday evening.

Breakfast:

Hotel guests can enjoy a made-to-order breakfast in the hotel lobby (on the 1st floor) from 6:00 AM - 9:30 AM on weekdays. Breakfast is served from 7:00 AM - 10:30 AM on the weekends. Breakfast includes hot and cold items such as eggs, signature custom omelets, pancakes, cereal, fruit and pastries.

Food & Beverages:

Snacks and beverages will be provided directly outside of Mason Room A/B during conference breaks. Lunch will also be served directly outside of Mason A/B on Thursday (09/12/2019) and Friday (09/13/2019). ERII provided snacks, beverages and lunch are included with your conference ticket.

Hotel Evening Manager's Reception:

Hotel guests are invited to the Hotel Evening Manager's Reception for snacks and cocktails in the main lobby each evening of their stay from 5:30 PM – 7:30 PM.

Wi-Fi Internet:

Wi-Fi Internet service is provided free of charge in guest rooms, in the common areas of the hotel and in the meeting rooms.

HELPFUL INFO: (Continued)

Parking:

Self-parking for hotel guests is available at the discounted rate of $22.00/day.

Hotel Amenities:

Dining:
An on-site Lounge, Restaurant and Room Service are available to guests from 11 AM to 11 PM daily. Information about these services is available at the hotel front desk or in your in-room hotel guide.

Fitness Room/Pool:
The hotel offers a fitness room, indoor pool and whirlpool. Please check your in-room hotel guide for hours and further information.

Transportation:

King Street Trolley:
Hop on this free shuttle and travel to the waterfront area for your dining, site seeing and shopping enjoyment. The trolley runs every 10-15 minutes on Wednesday-Friday from 6:45 AM -11:59 PM, and on Saturday from 9:00 AM – 11:59 PM.

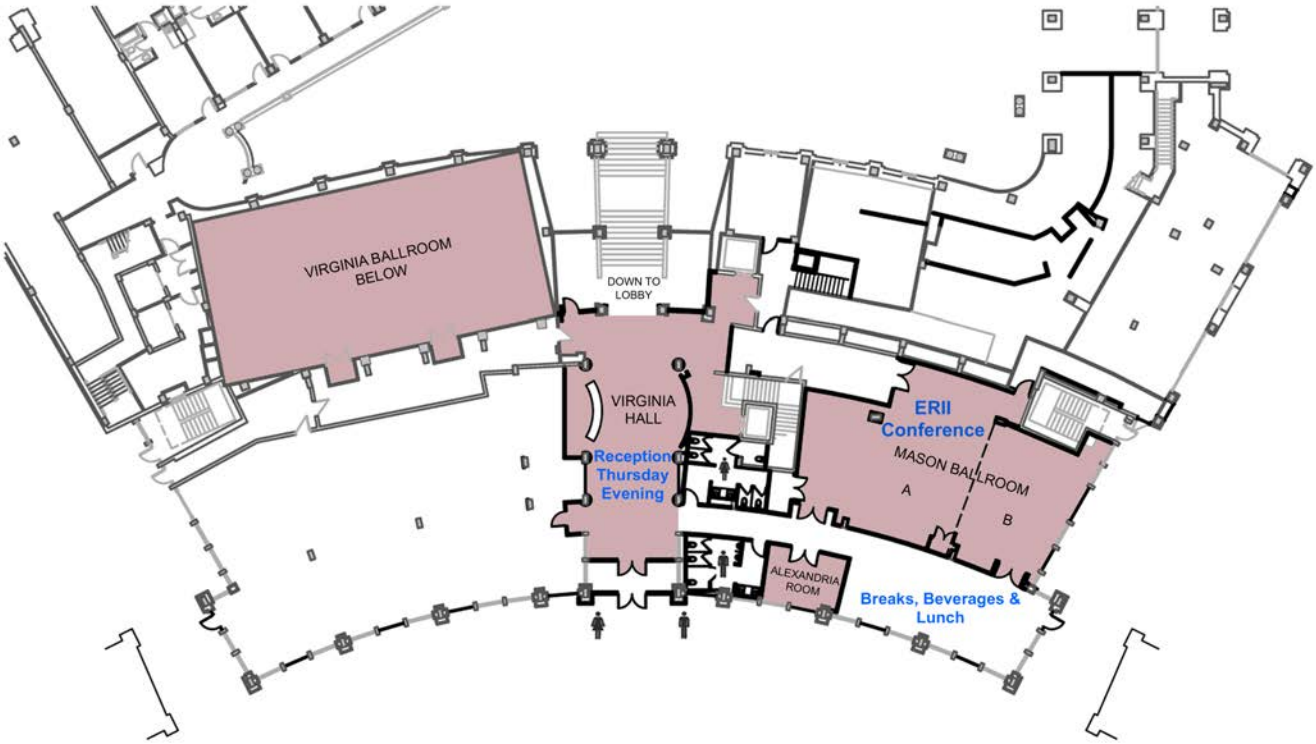
Metro Subway:
The Metro subway station is located directly across from the hotel when exiting via the hotel front lobby. A schedule/route map is available in the hotel lobby. The subway provides access to Washington, D.C. and the surrounding locations, as well as the airport.

The hotel is located at 1900 Diagonal Road, Alexandria, Virginia, 22314.
TEL: +1-703-684-5900.

Enjoy your stay!

Embassy Suites - Alexandria, VA

GROUP & MEETING SPACE — MEZZANINE LEVEL



Interested In Becoming An ERII Member?

The aim of ERII is to ensure the skill sets and the knowledge of TSCM, Counterintelligence and Counterespionage professionals evolves as changes in spying tactics, eavesdropping devices and detection methods occur.

To Apply For Full Membership: ($150.00 For A 365-Day Membership)

You Must Be:
An active TSCM Specialist having a minimum of three years current experience providing TSCM services.

To Apply For Associate Membership: ($100.00 For A 365-Day Membership)

You Must Be:
A non-practitioner including security directors, corporate executives, law enforcement, etc.
A non-practitioner with an interest in TSCM as either a service vendor or consumer.

Please visit https://erii.org/erii-membership/ to learn more about becoming an ERIII member.