



**COUNTER IMPROVISED EXPLOSIVE DEVICES
CENTER OF EXCELLENCE**
CTRA. M-618 COLMENAR VIEJO – TORRELODONES, KM 14
28240 – HOYO DE MANZANARES
MADRID (SPAIN)
info@ciedcoe.org



S060-2024

TO: See Distribution list
SUBJECT: Calling Letter for 6th C-IED Technology Workshop (TECH WS),
28-30 May 2024
DATE: 8 February 2024
REFERENCES: C-IED COE POW 2024.

1. North Atlantic Treaty Organization (NATO) bodies, Partnership for Peace (PfP) members, Coalition's Missions contributing nations, multinational headquarters, international organizations, nations, industry, and academia are kindly informed that the NATO C-IED Centre of Excellence (C-IED COE) organizes the 6th C-IED Technology Workshop in Seville, Spain, from 28 to 30 May 2024.
2. The referred workshop is partly sponsored by NATO Headquarters (HQ) Innovation, Hybrid and Cyber Division, with the media support of Counter-IED Report.
3. The aim of the TECH-WS is to provide the C-IED community of interest with an in-depth overview of ***“the latest operational gaps/requirements based on recent conflicts and emerging and disruptive techniques/technologies addressed to them”***, in C-IED fight.
4. The C-IED Tech-WS 24 is an ideal environment for defining end-user requirements as well as exchanging information and gaining knowledge on the tools being developed to face the evolving threat from IEDs and Technical Exploitation, which leads to identify threat networks. In summary, the Tech-WS aims to enhance cooperation between the multinational C-IED communities.
5. All the lectures and activities are **UNCLASSIFIED**.
6. The scheme of the event will consist of a set of panels, based on presentations, followed by further discussions for delegates to interact. Attendees will also have the opportunity to receive direct information from companies about current and future proposals to facilitate C-IED capability enhancement.
7. A draft agenda is attached in Annex A. The possible changes to the current draft will be updated accordingly on the website, where a final agenda will be posted prior to Tech-WS 24.

<https://www.ciedcoe.org/index.php/events/tech-ws2024>

8. Administrative instructions can be found in Annex B.
9. The registration to the workshop will be available through the NATO C-IED COE official website from 15th February 2024 to 25th April 2024. Due to conference room capacity restrictions, please, do not make any travel arrangements before your participation is confirmed. The event is limited to a maximum of 200 attendees in the Main Conference Room.
10. All contacts from industry & academia aiming to participate, present developed technologies and/or market products should e-mail ciedtechws@ciedcoe.org. Please include "Industry" or "Academia" in the subject of your message.
11. Should you have any questions, please contact the C-IED COE Point of Contact:

OF-3 Murat AYDOGMUS; E-mail: maydogmus@ciedcoe.org, Phone: +34 617972028

OF-5 Umut CETIN; E-mail: ucetin@ciedcoe.org, Phone: +34 634207892

Yours sincerely,

Javier Corbacho Margallo

A handwritten signature in blue ink, reading "Javier Corbacho", is written over a circular blue stamp. The stamp contains the text "C-IED COE" at the top and "09 02 2024" at the bottom, with a central emblem.

Colonel, ESP Army
C-IED COE Director

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ANNEX A TO
C-IED COE S060 / 2024
DATED: 08 February 2024

DRAFT AGENDA



Tuesday 28 th May	
08:00-09.00	Event Registration – In processing
09.00-09.30	Opening Remarks & Welcome
09.30-10.30	Overview of IED Threat and Latest Operational Gaps and Requirements
10.30-11.00	Coffee Break/ Static Exhibition
11.00-12.30	Organizational & National Initiatives in C-IED Research & Development
12.30-13.00	National Presentations on Specific C-IED Technological Activities/Projects/Research
13.00-14.30	Lunch/ Static Exhibition
14.30-15.30	National Presentations on Specific C-IED Technological Activities/Projects/Research (Cont.)
15.30-16.00	Coffee Break / Static Exhibition
16.00-17.30	Technologies Supporting C-IED Training / End Day 1
21.00-23.00	Ice-Breaker (Real Círculo de Labradores de Sevilla)

Wednesday 29 th May	
09:00	Sessions Starting (Review of Day 1)
09.00-10.30	Technical Exploitation for Operational Needs
10.30-11.00	Static Exhibition /Live Demonstration / Coffee Break
11.00-13.00	Advanced Standoff Detection and Neutralization Technologies
13.00-14.00	Lunch / Static Exhibition
14.00-15.00	Future C-UAS Solutions for Explosive Laden Drones
15.00-15.30	Static Exhibition / Coffee Break
15.30-16.30	Future C-UAS Solutions for Explosive Laden Drones (Cont.) / End Day 2
16.30-17.30	Live Demonstration
17.30-19.30	Cultural Tour Seville (TBC)
Thursday 30 th May	
09:00	Sessions Starting (Review of Day 2)
09.00-10.00	Future USV/UUV Solutions for Maritime Domain
10.00-10.30	Coffee Break / Static Exhibition
10.30-12.00	C-IED Threat Mitigation-Current and Emerging Technologies
12.00-12.30	Closing Remarks / End Day 3

Static exhibition & live demonstrations are focused on:

- Countering UAS
- Standoff detection of explosives/devices
- Autonomous Robotic Systems
- ECM for RCIEDs
- EOD Neutralization Equipment.

Note: The static exhibitions will be during the workshop. The demonstrations will be only for the second day of the workshop.



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ANNEX B TO
C-IED COE S060 / 2024
DATED: 08 February 2024

ADMINISTRATIVE INSTRUCTIONS

1. Workshop Location:

Hotel Meliá Sevilla
Calle Dr. Pedro de Castro, 1, 41004
Seville , Spain

2. Transportation

- Transportation from/to the airport to Seville will be conducted by attendant's own means.
- Parking for personal vehicles will be limited at the venue.
- Taxi services and public transportation means are available.
 - The following transit lines have routes that pass near Hotel Meliá Sevilla:
 - Bus: 01, 21, 22, 37, EA, M-122, M-124, M-132, M-132B
 - Train: C1, C5
 - Metro: L1
- More information about public transportation can be found through links in the C-IED COE web site.

3. Registration

- Prior to in-processing all participants must register on-line through the official website of the event.

<https://www.ciedcoe.org/index.php/events/tech-ws2024>

- No Security Clearance will be required for the whole event.
- Every attendant will be confirmed by email once their registration is done but a second confirmation email will be sent if your participation is confirmed. **Due to conference room limitations, please, do not make any travel arrangements before your participation is confirmed.**

4. In-processing

- In-processing will be at Hotel Meliá Sevilla on 27th May 2024 between 19.00-20.00 and 28th May between 08.00-09.00 at the main entrance of the facility. Participants are required to present **a copy of the registration form and ID card/passport** at the main entrance of the facility.

5. Conference Fee

- There is no Conference Fee for attending the Technology Workshop.

6. Accommodation

- Self-arrangement (there are a big number of hotels around the venue area. More information about accommodation can be found through link below.

<https://www.ciedcoe.org/index.php/events/tech-ws2024/6th-c-ied-tech-ws-lodging>

- Hotel Meliá Sevilla (Calle Dr. Pedro de Castro, 1, 41004) will be the venue for the workshop. There is a special negotiated discount price for the ones who choose to stay at Hotel Meliá Sevilla.

7. Ice-Breaker:

- A hosted ice-breaker event will take place at “Real Círculo de Labradores de Sevilla” on 28th of May 2024 at 21.00.
- During registration, it is mandatory to response to the following question:
“Are you going to attend the Ice Breaker in the evening of the 28th of May?”
To be able to participate.
- Dress code: Casual (Jacket and tie)

8. Meals:

- The lunch for the first and second day of the event will take place at the event location.
- The lunch will be free of charge.

9. Dress Code:

- The dress code is jacket and tie or Class B uniform (or equivalent) at your discretion.

10. Points of Contact:

- C-IED COE support:

Phone: +34 91 856 1051

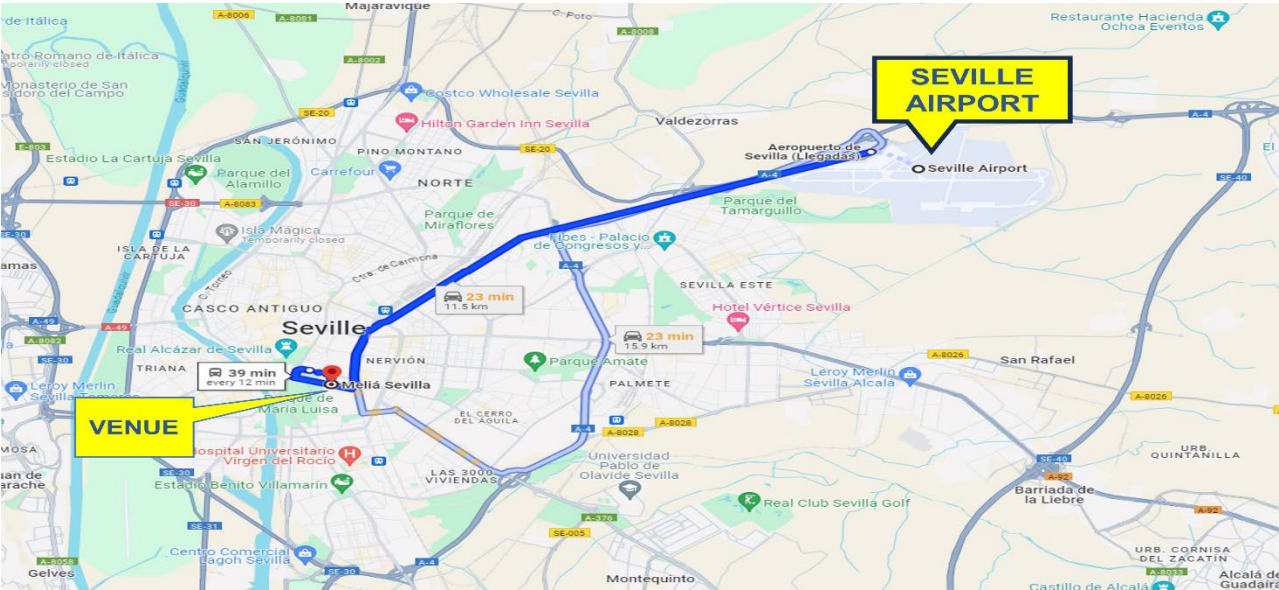
E-mail: ciedtechws@ciedcoe.org

EVENT VENUE – LOCATION MAP

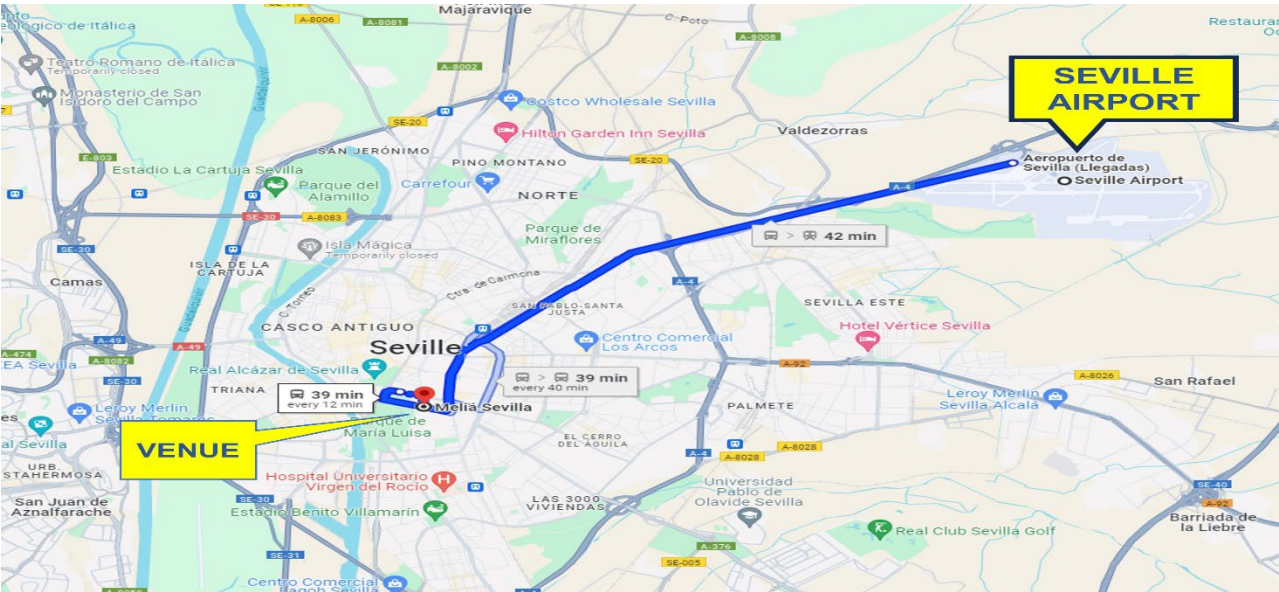
Workshop Location:

Hotel Meliá Sevilla
Calle Dr. Pedro de Castro, 1, 41004
Seville / Spain

BY CAR:



BY PUBLIC TRANSPORTATION:





TOURISTIC INFORMATION REGARDING SEVILLE

Spain is a tourist country per excellence, positioned among the first in the world in terms of the number of visitors and tourists. Seville is a charming city that moves to the rhythm of flamenco, in fact, a popular Spanish song claims that "Seville has a special color", and you can't help but notice this as soon as you arrive. Located in the south of Spain, it's the capital of Andalusia, and one of the most populated cities in Spain after Madrid, Barcelona, and Valencia.

Lying on the banks of the Guadalquivir River, Seville became a highly important city and a prosperous trading centre thanks to the river linking it to "the Americas". The Andalusian capital has incredible sights such as the Cathedral, the Torre del Oro, Plaza España, and the Giralda. Although sometimes all you need is to wander around the beautiful streets in the Triana and Santa Cruz neighbourhoods or enjoy a peaceful walk through the stunning María Luisa Park, to connect with the city's traditions and Andalusian energy.

SEVILLE CATHEDRAL

The Cathedral of Saint Mary of the See, also known as the Seville Cathedral, is a Roman Catholic cathedral located in Seville, Andalusia, Spain. It was designated a World Heritage Site by the United Nations in 1987, along with the Alcázar palace complex and the General Archive. The cathedral is the largest Gothic cathedral in the world and the third-largest church overall. Its impressive dimensions and intricate details reflect the wealth and influence of Seville during the Spanish Golden Age. One of the most recognizable features of the cathedral is its bell tower, La Giralda. Originally built as a minaret during the Moorish period, it was converted into a bell tower after the Reconquista. Visitors can climb to the top for panoramic views of the city. The cathedral houses a wealth of religious art and treasures, including paintings, sculptures, and altarpieces by renowned artists such as Murillo, Zurbarán, and Goya.



THE TORRE DEL ORO

The Torre del Oro was built during the Almohad dynasty in the early 13th century, around 1220. Its original purpose was as a watchtower and defensive structure, part of the city's fortifications along the Guadalquivir River. The tower is a twelve-sided polygonal structure made of stone and brick. It stands at around 36 meters (118 feet) tall and is divided into three levels, with the uppermost level featuring a dome. The name "Torre del Oro" is believed to have originated from the golden glow the tower emitted when it was adorned with tiles made of golden-hued bricks during its early years. Over the centuries, the tower has served various functions, including as a military watchtower, a prison during the Middle Ages, and even as a chapel at one point. Its strategic location by the river made it an important defensive structure. Today, the Torre del Oro houses the Naval Museum of Seville (Museo Naval de Sevilla). The museum displays various maritime artifacts, models of ships, navigation instruments, and historical documents related to the city's naval history. It is located on the Paseo de Cristóbal Colón, along the riverfront promenade, making it easily accessible from the city center and other nearby attractions.



PLAZA ESPAÑA

The plaza is semi-circular in shape and spans over 50,000 square meters. It is surrounded by a series of buildings with a central structure featuring a large central building, bridges, and a canal. One of the most distinctive features of the Plaza de España is the canal that runs through it, crossed by four bridges representing the ancient kingdoms of Spain: Castile, Aragon, Navarre, and Leon. Visitors can rent rowboats to paddle along the canal, adding to the picturesque atmosphere. The plaza is adorned with elaborate tilework, depicting scenes from Spanish history and each of the country's provinces. The colorful ceramic tiles, known as azulejos, are a prominent feature of the plaza's architecture and add to its beauty. The central building of the plaza, known as the Vicente Traver Fountain, features a semicircular facade with a series of alcoves representing each province of Spain. Inside, there is a gallery with a series of ornate balconies overlooking the plaza. The Plaza de España is located in the Parque de María Luisa, a large public park in Seville's historic center. It's within walking distance of other major attractions such as the Seville Cathedral and the Royal Alcazar of Seville, making it a convenient stop for visitors exploring the city.



THE GIRALDA

Originally built as a minaret for the Great Mosque of Seville during the Moorish period in the 12th century, the Giralda was later converted into a bell tower after the Christian reconquest of Spain in the 13th century. The name "Giralda" comes from the Spanish word "girar," meaning "to turn," and refers to the weathervane (a statue of Faith) that crowns the tower and rotates with the wind. The Giralda is a masterpiece of Islamic architecture, blending Moorish and Spanish Renaissance styles. It stands at approximately 104 meters (342 feet) tall, making it one of the tallest structures in Seville. The tower is renowned for its elegant design, with a series of ramps instead of stairs leading to the top, allowing for easy ascent on horseback. The Giralda houses a set of bells, including the largest bell, known as La Campana Gorda (The Fat Bell). The bells chime regularly throughout the day, adding to the charm of the city's skyline.

