NORTH ATLANTIC TREATY ORGANISATION
NATO MARITIME INTERDICTION OPERATIONAL TRAINING CENTRE
NMIOTC
SOUDA BAY
GREECE

3000 NSC-74/ser: NU 112

TO: See Distribution

SUBJECT: **6th NMIOTC CONFERENCE ON CYBER SECURITY IN THE MARITIME DOMAIN– JOINING INSTRUCTIONS**

DATE: 13 September 2022

REFERENCE: NMIOTC 3000 NSC - 74/ser: NU 65, dated 22 May 2022 (6th NMIOTC Conference on Cyber Security in Maritime Domain – Calling Letter).

1. Introduction. With the document in reference, the **6th NMIOTC Conference on Cyber Security in the Maritime Domain** was announced to take place at the Centre's premises in Souda Bay – Crete, from 27th to 28th September 2022**.**

2. Aim of the event. The aim of the conference is to encourage participation and promotion of collaborative scientific, industrial, naval, maritime and academic inter-workings among individual researchers, practitioners, navy staffs, members of existing associations, academia, shipping companies, standardization bodies, including government departments, international organizations and agencies, public and private sector in general, regarding Cyber Security in maritime domain and Cyber Defense Operations. We envisage tackling Cyber Security issues in maritime domain in a holistic, comprehensive and effective way. The conference will be held under the **Chatham House Rule**.

3. Participants. Speakers from military organizations, academic and industrial world will present their views on topics related to the theme, while the audience will be comprised of military and civilian personnel involved or interested in Maritime Security. Officers and relevant civilian attendees coming from NATO, NATO-partners as well as non-NATO countries will attend the Conference. The ideally diverse audience represent Armed Forces, Law Enforcement experts, representatives from ministries, magistrates, and officials from other relevant organizations.

4. Schedule. The conference will run from 08:30 to 16:10 Eastern European Summer Time (EEST). The detailed schedule and the tentative Agenda of the Conference is as Enclosure 1 and will also be available at the website of the Centre: https://nmiotc.nato.int/transformation/conferences/cyber-security-conference/

Please note that the conference was planned in that dates in order to allow the participants who wish, to also attend the "CyberHOT Summer School'', which is co-organized with University of Piraeus (Security Research Lab) and Technical University of Crete (Microprocessor and Hardware Lab) on Wednesday 29th and Thursday 30th of September 2022. Details can be found in CyberHOT Summer School event website (https://www.cyberhot.eu).

Unclassified / Releasable for Internet Transmission

5. Administrative Details. Administrative requirements, arrangements and information are provided at enclosure 2.

6. Points of Contact. For further information or clarifications please contact:

Lead Conference Planner: Cdr Gianluca FINAMORE ITA (N)
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Students' Admin Affairs
Tel: +30 28210 85710
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7. Thanking you in advance for your support to the 6th NMIOTC Conference on Cyber Security in the Maritime Domain, we look forward to an interesting and fruitful event, and to welcoming you to the picturesque and historical city of Chania.

Charalampos Thymis
Commodore GRC (N)
Commandant NMIOTC

ENCLOSURES:

1. Tentative Agenda
2. Administrative Details
3. Chania City Center Pick-up Points

ENCLOSURE 1 TO:
NMIOTC NOTE: NU 112
NSC-54/ 13 Sep 2022

6th NMIOTC CONFERENCE ON CYBER SECURITY IN MARITIME DOMAIN
TENTATIVE AGENDA
(Last Updated 09-09-2022)

1st DAY – 27 Sep 2022		
TIME	**TOPIC**	**SPEAKER**
0830-0900	**Registration – Welcome Coffee – Networking**	
0900-0910	Admin / Security Brief	**Lt Cdr Kostas Papanastasis GRC N**
0910-0940	**NMIOTC Welcome Address** **Host Nation Welcome address**	**Cdre Charalampos Thymis GRC(N)** NMIOTC Commandant **TBD**
0940-1020	**Keynote Speakers' session**	
1020-1025	Group photo	
1025-1040	Coffee Break – Networking	
1040-1200	**SESSION 1: The impact of emerging cyber risks in maritime security**	
	Moderator: Mr Dinos Kerigan-Kyrou PhD CMILT, Emerging Security Challenges Working Group The Technical Landscape of Ransomware: Threat Models and Defense Models Maritime Cyber Risk and Global Security	 **Dr Barton P. Miller** Professor in Computer Sciences NSF Cybersecurity Center of Excellence University of Wisconsin-Madison **Dr Elisa Heymann** Senior Scientist – Associate Professor NSF Cybersecurity Center of Excellence University of Wisconsin-Madison **Mr David Nordell**

	Quantum Cryptography – Emerging Cyber Security Challenges	Centre for Maritime Policy & Strategy Research, Haifa University – Synapse Cyber Strategy **Prof. Nikitas Nikitakos** Aegean University
1200-1300	Lunch Break – Networking	
1300-1420	**SESSION 2: Maritime Cybersecurity technologies and industrial products**	
	Moderator: Mr David Nordell Centre for Maritime Policy & Strategy Research, Haifa University – Synapse Cyber Strategy	
	Exploiting Artificial Intelligence (AI) towards the Optimization of Navigation Sensors for Remote Controlled and Unmanned Ships	**Dr Dimitrios Dalaklis** Professor – World Maritime University
	Cyber-Hunting at Scale (CHASE)	**Mr Tejas Patel** Program Manager Information Innovation Office (I2O) DARPA
	Characteristics of Autonomous Ships and Related Cybersecurity Concerns	**Mr Erwin Orye** Belgian Armed Forces
1420-1450	Coffee Break - Networking	
1450-1610	**SESSION 3: Maritime Enterprise Cyber Security Challenges**	
	Moderator: Wendi O. Brown, Lieutenant Colonel, US Army Reserve	
	Operationalising the maritime cyberspace: Continuing the conversation	**Cpt Antonie Colombier FRA (N)** ACOS N6/Cyberspace MARCOM
	Secure maritime operations in quantum age	**Ms Tsvetelina Shabanska** Scientist **Mr. Konrad Wrona** Principal Scientist

		NATO Communications and Information Agency (NCIA)
	Overview of the Cyber Security Program and new threats from the perspective of a large Commercial Shipping Company	**Mr Bruno Sicchieri** Mediterranean Shipping Company S.A.
	TBD	TCM Tsakos Group
1930	Social Event	
	END OF FIRST DAY	

2nd DAY – 28 Sep 2022		
TIME	**TOPIC**	**SPEAKER**
0830-0900	Coffee - Networking	
0900-0940	**Keynote Speakers' session**	
0940-1120	**SESSION 4: Assessment, Certification and Training in Maritime Cyber Security**	
	Moderator: Mr Emmanouil Christofis, SHAPE J6 Cyberspace – Strategic Plan and Policy	
	Cyber Security Incident Handling and Incident Response	**Mr Nuri Fattah** Director EMEA Unit 42 - PALO ALTO Networks
	The Security Value of Small and Medium Sized Ports in a Supply Chain Service	**Prof. Nineta Polemi** Professor University of Piraeus **Ms Pinelopi Kyranoudi** Maggioli SPA
	A taxonomy for cybersecurity standards applicable to the maritime sector	**Ms Eleni Maria Kalogeraki PhDc**, Maggioli Group
	Upskilling Maritime Cyber Force at Scale	**Mr Angelos Liapas** Hack The Box **Mr Sam Nye** Hack The Box
1120-1140	Coffee Break - Networking	

1140-1300	**SESSION 5: Secure Maritime Value and Supply Chains, Infrastructures & Services**	
	Moderator: Dr Dimitrios Dalaklis Professor – World Maritime University	
	Securing the Open Source Software Supply Chain for Naval Warfare Systems	**Mr Eric Hill** Trusted Technical Advisor Sonatype
	Analysis of Cyberphysical Risk in Maritime systems	**Mr Paul Rohmeyer** School of Business at Stevens Institute of Technology
	Digital investigation on ships: a Voyage Data Recorder implementation	**Mr Maxence Lannuzel** France Cyber Maritime
1300-1400	Lunch Break – Networking	
1400-1540	**SESSION 6: Innovative Research in Maritime Cyber Security and Cyber Defence**	
	Moderator: Professor Nikitas Nikitakos, Aegean University	
	A prototype AIS input sanitizer to constrain the attack surface of intergraded bridge and navigation systems	**Cdr Chad Bollmann US(N)** Naval Postgraduate School (NPS)
	Authentication mechanisms for VHF Data Exchange System (VDES)	**Mr Mirko Frasconi** Thales
	Hostile intelligence service interest in emerging satellite internet service	**Mr Michael Cintron** NATO Intelligence Fusion Centre - NIFC
	A Holistic Approach for the Dependability Enforcement of Cyber & Power Systems on future MVDC Ships	**Dr Massimiliano Chiandone** Trieste University
1540-1600	**Final Wrap up**	**Moderator: Mr Dinos Kerigan-Kyrou PhD CMILT**, Emerging Security Challenges Working Group
1600-1610	**NMIOTC Farewell Address**	**Cdre Charalampos Thymis GRC(N)** NMIOTC Commandant

ENCLOSURE 2 TO:
NMIOTC NOTE: NU112
NSC-54/13 Sep 2022

6th NMIOTC CONFERENCE ON CYBER SECURITY IN MARITIME DOMAIN ADMINISTRATIVE DETAILS

1. Schedule. The Conference will be conducted from Tuesday 27th to Wednesday 28th of September 2022. It is advised to use Monday 26th (or earlier) and Thursday 29th of September 2022 (or later) as travel days. Those who will attend also the "CyberHOT Summer School'' should plan their travel accordingly. The projected schedule of the Conference will be updated regularly on the NMIOTC web page https://nmiotc.nato.int/transformation/conferences/cyber-security-conference/

2. Accommodation: There are no accommodation facilities at NMIOTC. Therefore, participants are responsible to arrange their own accommodation. NMIOTC can provide guidance / assistance, if requested. Hotels near the Chania city centre are highly recommended for transportation purposes. A list of recommended Hotels around Chania city centre is as follows. Special prices have been negotiated for NMIOTC's guests and will apply to participants only for direct booking with each hotel and by using the promotional codes listed below:

a. AKALI 4* hotel,
www.akali-hotel.gr, Promo. code: **"NMIOTC22"** via hotel's online booking platform.
E-mail: reservations@akali-hotel.gr, Tel: +30 28210 92872.

b. KYDON 4* hotel
www.kydon-hotel.com, Promo. code: **"NMIOTC22"** via hotel's online booking platform.
E-mail: info@kydon-hotel.gr, Tel: +30 28210 52280.

c. SAMARIA 4* hotel
www.samariahotel.gr, Promo. code: **"NMIOTC22"** via hotel's online booking platform.
E-mail: reservations@samariahotel.gr, Tel: +30 2821038600.

d. ARKADI 3* hotel
www.arkadi-hotel.gr, Promo. code: **"NMIOTC Guest"** via mailing to hotel's e-mail address.
E-mail: info@arkadi-hotel.gr, Tel: +30 28210 90181.

e. KRITI 3* hotel
www.kriti-hotel.gr, Promo. code: **"NMIOTC Guest"** via mailing to hotel's e-mail address.
E-mail: info@kriti-hotel.gr, Tel: +30 28210 51881.

f. PORTO VENEZIANO 3* hotel

www.portoveneziano.gr, Promo. code: **"NMIOTC Guest"** via mailing to hotel's e-mail address.
E-mail: hotel@portoveneziano.gr, Tel: +30 28210 27100.

g. ROYAL SUN 3* hotel
www.royalsunhotel.com, Promo. code: "**NMIOTC Guest"** via mailing to hotel's e-mail address.
E-mail: hotelroyalsun@gmail.com, Tel: +30 28210 46363.

3. Transportation.

a. Participants are responsible for their own transportation from/to the Airport during arrival and departure day. Participants should plan to fly to Chania International Airport (airport code: CHQ). NMIOTC will provide transportation from specific points in Chania city center to NMIOTC's premises and vice-versa on a daily basis throughout the event. Pick-up points are as follows:

	PLACE	**Time**
1st pick-up point	AKALI Hotel	07:30
2nd pick-up point	SAMARIA Hotel	07:40
3rd pick-up point	KYDON Hotel	07:50
4th pick up point	KRITI Hotel	08:00
5th pick up point	ROYAL SUN Hotel *	08:10

*The bus will stop at "Kon. Mitsotaki St." and "Ioan. Paizi St." intersection. Transportation from hotel to the pick-up point and vice versa is provided by notifying the hotel.

Two fifty-seat buses (civilian type, white colour), marked with the label: **NMIOTC** on the windshield, will pass by the pick-up points at the scheduled time. A map of the bus stops is provided in Enclosure 3.

b. Transportation means from Chania Airport to Chania city centre are available as follows:

(1) Bus: The bus stop is outside the terminal and the ticket costs 2,50€, For further information and detailed timetables check https://www.e-ktel.com/en

(2) Taxi from the airport directly to Chania city center, 24 hours/day, 25,00€ (approx).

c. Additionally, there are several rental car agencies at the airport. The agencies that have offered to make special prices for NMIOTC guests are as follows:

(1) Gelasakis Car Rental: E-mail:cars@stc.gr, URL: www.rentacar-chania.gr, tel.: +30 28210 89065

(2) Spa Tours & Cars Enterprises: E-mail: info@spatours.gr, URL: www.spatours.gr, tel.: +30 28210 57444

Participants, who intend to rent a car, should make a booking with the preferred car rental agency by e-mail, referring to NMIOTC. Participants using their own transportation means, are advised to be at NMIOTC daily no later than 08:30 (plan for a 30 minute drive from the city centre). The driving route from and to the city of Chania is presented at Enclosure 3. The destination in Google maps is "NATO Maritime Interdiction Operational Training Centre" or "NMIOTC Main Gate"

4. Attire. The attire for the Conference will be summer service uniform for military personnel and business casual (jacket & tie) for civilians.

5. Classification: None.

6. a. Conference fee: The Conference fee is **120€** for each attendee to cover conference and administrative expenses. NMIOTC will provide coffee, refreshments, two (2) buffet lunches, transportation and participation in the official dinner. An additional fee of **60€** for spouses will be required, should they want to participate in the Icebreaker Reception/Spouses Program. This program, relied on a minimum participation of 5 persons, will include sightseeing tour, shopping and leisure time in the wider area of Chania Prefecture.

b. Methods of payment (a receipt/invoice will be provided)

Before the event	**Information**	**Remarks**
By Bank Deposit	NATIONAL BANK OF GREECE, NMIOTC BANK ACCOUNT 494/540010-48 SWIFT BIC: ETHN GRAA IBAN: GR3801104940000049454001048	Bank deposits should be completed not later than **2 working days before the start date of the event**, bank charges are not covered by NMIOTC. The receipt should be sent by email to: kleinakisd@nmiotc.nato.int and cc: papaderosd@nmiotc.nato.int
By Debit/Credit Card	Upon notification from the participant, the direct link for credit/debit card payment will be sent to the designated-by the participant-email address.	The participant should send an email to: kleinakisd@nmiotc.nato.int and cc: papaderosd@nmiotc.nato.int for receiving the link for the credit card payment

On the first day of the event	Information	Remarks
By Debit/Credit card	A valid credit/debit card should be presented on the first day of the event.	The fee is always paid in euros [the credit/debit card may provide the option to pay in another currency (other than euro) and therefore the 'euro' currency option must be chosen].
By Cash	-	The fee is always paid in euros.

7. Social program. NMIOTC will host an official dinner for all participants on Tuesday, September 27th. Those who intend to be accompanied by their spouse should mention it during the process-in. A fee of **30 €** for each spouse will apply. The attire for the dinner will be smart casual (jacket no tie or equivalent for the women).

8. Visa Requirements. Participants or their supervising authorities are responsible for visa arrangements for their personnel. It is advised that participants contact their national embassies/consulates in Greece or the Greek Embassies in their respective capitals for relevant information.

9. Security Instructions: The Conference has no Classification Marking. However, NMIOTC applies security regulations according to NATO standards.

10. Badging process: A welcome package that includes security badge and all the necessary information will be delivered to the participants upon their arrival to NMIOTC during the in processing. There is a strict access control to enter Marathi gate and NMIOTC building. You will be required to carry your passport or your national identification card during check in and throughout your presence in NMIOTC

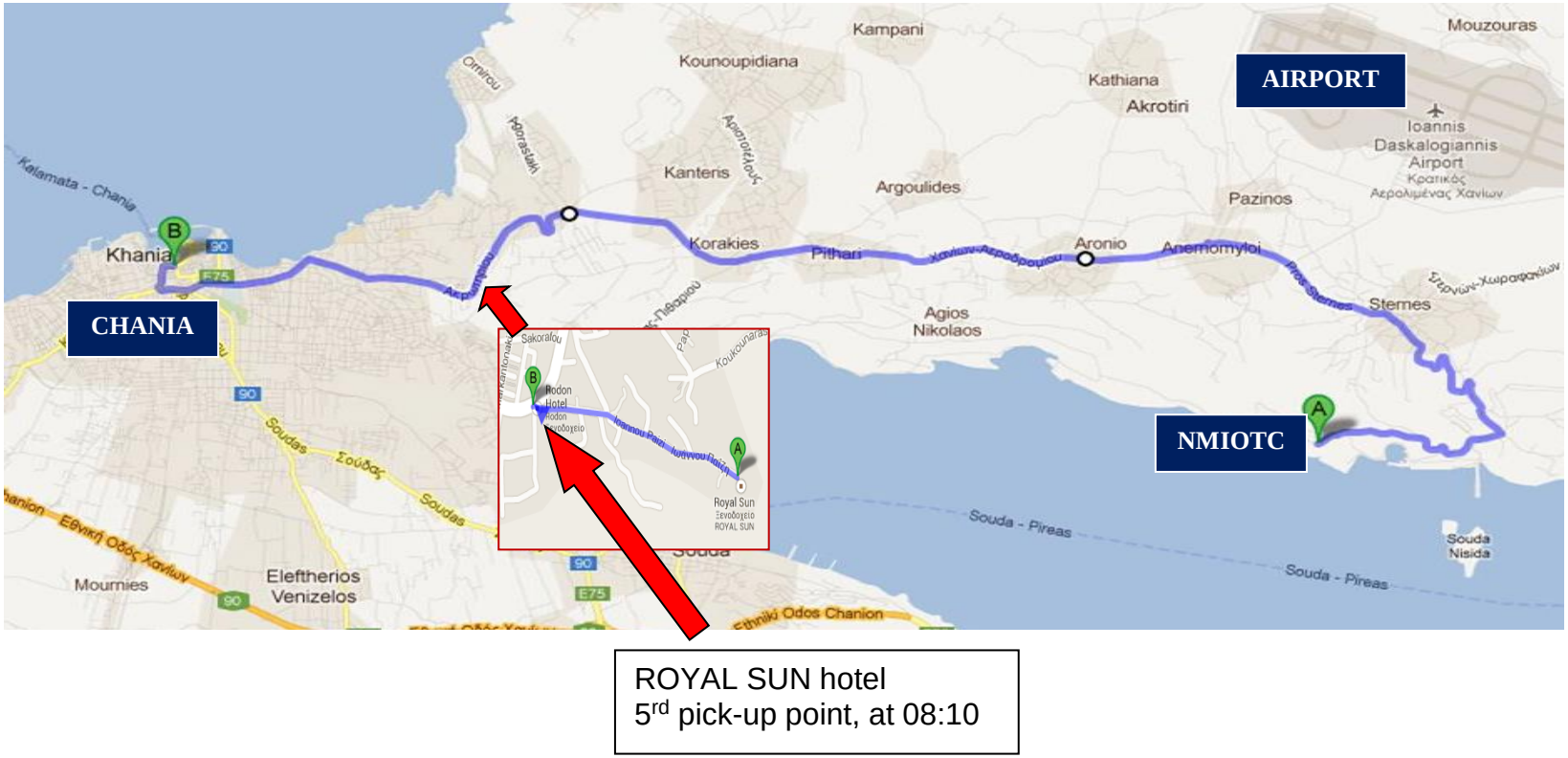
11. Medical service: First aid and emergency medical support is offered by NMIOTC paramedic and local Naval Hospital. However, for all other situations, medical expenses must be paid by the individuals or their insurance agencies. All participants are strongly advised to have appropriate medical insurance.

12. COVID-19 awareness: For those who are planning to participate in person, on May 14, Greece opened its borders in a safe and attainable manner and the current protocol for the COVID-19 pandemic can be found in the official website https://travel.gov.gr/#/.

Note: The COVID-19 is a highly dynamic and fluctuated situation and all relevant measures are under continuous review. It is advised the participants to take into account any further travel restrictions and rules from intermediate countries that they will travel through and due to unforeseen travel restrictions it is highly recommended any travel bookings to be refundable.

6th NMIOTC CONFERENCE ON CYBER SECURITY IN MARITIME DOMAIN
CHANIA CITY CENTER PICK-UP POINTS

NOTIFICATION: All participants who will use NMIOTC transportation are strongly advised to be at the specified pick-up points 5 min before the departure time. There will be no other transportation provided by NMIOTC.



ROYAL SUN hotel
5rd pick-up point, at 08:10

AKALI HOTEL
Pick up Point
SHOW NEARBY HOTELS
Sign in
Kissamou
Civitel Akali Hotel
Outdoor clothing and equipment shop
SUGAR & SALT
Mozzarella pit stop
Fishing store
Kokido
Bicycle store
X-Treme Stores
Geana Apartments
Google
SAMARIA HOTEL
Pick up Point
Alena Apartments
NIKOLAKAKIS CATERING
Night club
Tellus Car Rental
Exodus Travel
Kidonias
Samaria
Samaria Hotel
Oma Hotelli Haniassa
Coffee Lab
Driving school
Shopping mall
Cell phone store
Green Pharmacy
Gregores
Gyro restaurant
Barber shop
Capital Exchange
Google

KRITI HOTEL
Pick up Point
SHOW NEARBY HOTELS
Sign in
Nikiforou Foka
Art flat with sea view
Diamond Luxury Suites Koumi Kapi
Aloha Maisonettes
Hotel Mare Chiaro Suites
Tiny house in the center of chania
Thessalonikis
Google

KYDON HOTEL
Pick up Point
SHOW NEARBY HOTELS
Sign in
Central Market Square
El. Venizelou
Sofoklis Venizelos Square
Pharmacy
National Bank
Medical shop
Vape Gallery
Jewelry store
Kydon, The Heart of the City Hotel
Intimate
Hair salon
Shopping mall
Psarakis Nikolaos
Gyro restaurant
Oasis
Optician
Str. Tzanakaki
Google

DISTRIBUTION:

External:

Action:

- Participants' emails

Information:

- HNDGS Deputy Chief
- HNDGS Defence Policy Branch Head / D´ Branch
- HNDGS Strategic Plans and Policy Division Head / D4
- HNDGS Intelligence Policy/E4 (pls pass to Naval Attaches in Greece)
- HNGS Deputy Chief
- HNGS Head A´ Branch
- HNGS Head B´ Branch
- COMHELFLEET Deputy Chief
- COMHELFLEET Head A´ Branch
- COMHELFLEET HELFRIG COMMANDANT
- NAMFI COMMANDANT
- SOUDA NAVAL BASE COMMANDANT
- Athens Multinational Sealift Coordination Centre (AMSCC) COMMANDANT
- NATO HQ/IMS Central Registry
- NATO HQ GREEK MILREP (pls pass to NATO HQ MILREPs)

Internal:

Action:

- DIR TS
- DIR S
- Student Admin Affairs
- OPR

Information:

- DCOM
- COS
- DOSO