



NMIOTC

6th NMIOTC CYBER SECURITY CONFERENCE IN MARITIME DOMAIN

NEWSLETTER



As we are getting closer to the dates for our 6th NMIOTC Conference on Cyber Security in Maritime Domain, we would like to announce that the selection of our speakers has been completed and the agenda has been almost formed.

The Conference will run as planned in NMIOTC premises, Souda Bay, Crete (Greece), from 27th to 28th of September 2022 – from 08:30 to 16:10 (EEST) as a residential/in-person event. The detailed and regularly updated schedule and the tentative Agenda of the conference will be available in our website: <https://www.nmiotc.nato.int/transformation/conferences/cyber-security-conference/>.

Further administrative details will be included in the Joining Instructions document which will be released soon.

PLEASE NOTE that just after the Conference, from 29th to 30th of September 2022, it is organized by University of Piraeus (Security Research Lab) and Technical University of Crete (Microprocessor and Hardware Lab) with the support of NMIOTC at our premises, a unique Cyber Security Hands-On Training event “CyberHOT Summer School” which provides experience with the best practices and the most common tools on how to perform:

- Cyber threat and attack monitoring
- Evaluate cyber security strategies, tools & procedures
- Apply System Administration
- Monitoring of networks
- Detecting & responding to cyber attacks

More info on <https://www.cyberhot.eu/>

Greece travel measures

For those who are willing to participate to our events, the current protocol for the COVID-19 pandemic for traveling to Greece can be found in the official website [Protocol for Arrivals in and Departures from Greece - travel.gov.gr](https://travel.gov.gr)



NORTH ATLANTIC TREATY ORGANISATION
 NATO MARITIME INTERDICTION OPERATIONAL TRAINING CENTRE
 NMIOTC
 SOUDA BAY
 73200 CHANIA
 GREECE



6th NMIOTC CONFERENCE ON CYBER SECURITY IN MARITIME DOMAIN
TENTATIVE AGENDA AND TIMELINE
(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	Cdre Charalampos Thymis GRC(N) NMIOTC Commandant
	Host Nation Welcome address	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	
	<p>Moderator: Mr Dinos Kerigan-Kyrou PhD CMILT, Emerging Security Challenges Working Group</p> <p>The Technical Landscape of Ransomware: Threat Models and Defense Models</p> <p>Maritime Cyber Risk and Global Security</p> <p>Quantum Cryptography – Emerging Cyber Security Challenges</p>	<p>Dr Barton P. Miller Professor in Computer Sciences NSF Cybersecurity Center of Excellence University of Wisconsin-Madison</p> <p>Dr Elisa Heymann Senior Scientist – Associate Professor NSF Cybersecurity Center of Excellence University of Wisconsin-Madison</p> <p>Mr David Nordell Centre for Maritime Policy & Strategy Research, Haifa University – Synapse Cyber Strategy</p> <p>Prof. Nikitas Nikitakos Aegean University</p>
1200-1300	Lunch Break – Networking	

1300-1420	SESSION 2: Maritime Cybersecurity technologies and industrial products	
	<p>Moderator: Mr David Nordell Centre for Maritime Policy & Strategy Research, Haifa University – Synapse Cyber Strategy</p> <p>Exploiting Artificial Intelligence (AI) towards the Optimization of Navigation Sensors for Remote Controlled and Unmanned Ships</p> <p>Cyber-Hunting at Scale (CHASE)</p> <p>Characteristics of Autonomous Ships and Related Cybersecurity Concerns</p>	<p>Dr Dimitrios Dalaklis Professor – World Maritime University</p> <p>Mr Tejas Patel Program Manager Information Innovation Office (I2O) DARPA</p> <p>Mr Erwin Orye Belgian Armed Forces</p>
1420-1450	Coffee Break - Networking	
1450-1610	SESSION 3: Maritime Enterprise Cyber Security Challenges	
	<p>Moderator: Wendi O. Brown, Lieutenant Colonel, US Army Reserve</p> <p>Operationalising the maritime cyberspace: Continuing the conversation</p> <p>Secure maritime operations in quantum age</p> <p>Overview of the Cyber Security Program and new threats from the perspective of a large Commercial Shipping Company</p> <p>TBD</p>	<p>Cpt Antonie Colombier FRA (N) ACOS N6/Cyberspace MARCOM</p> <p>Ms Tsvetelina Shabanska Scientist</p> <p>Mr. Konrad Wrona Principal Scientist NATO Communications and Information Agency (NCIA)</p> <p>Mr Bruno Sicchieri Mediterranean Shipping Company S.A.</p> <p>TCM Tsakos Group</p>
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	
	<p>Moderator: Mr Emmanouil Christofis, SHAPE J6 Cyberspace – Strategic Plan and Policy</p> <p>Cyber Security Incident Handling and Incident Response</p> <p>The Security Value of Small and Medium Sized Ports in a Supply Chain Service</p> <p>A taxonomy for cybersecurity standards applicable to the maritime sector</p> <p>Upskilling Maritime Cyber Force at Scale</p>	<p>Mr Nuri Fattah Director EMEA Unit 42 - PALO ALTO Networks</p> <p>Prof. Nineta Polemi Professor University of Piraeus Ms Pinelopi Kynakoudi Maggioli SPA</p> <p>Ms Eleni Maria Kalogeraki PhDC, Maggioli Group</p> <p>Mr Angelos Liapas Hack The Box Mr Sam Nye Hack The Box</p>
1120-1140	Coffee Break - Networking	
1140-1300	SESSION 5: Secure Maritime Value and Supply Chains, Infrastructures & Services	
	<p>Moderator: Dr Dimitrios Dalaklis Professor – World Maritime University</p> <p>Securing the Open Source Software Supply Chain for Naval Warfare Systems</p> <p>Analysis of Cyberphysical Risk in Maritime systems</p> <p>Digital investigation on ships: a Voyage Data Recorder implementation</p>	<p>Mr Eric Hill Trusted Technical Advisor Sonatype</p> <p>Mr Paul Rohmeyer School of Business at Stevens Institute of Technology</p> <p>Mr Maxence Lannuzel France Cyber Maritime</p>
1300-1400	Lunch Break – Networking	

1400-1540	SESSION 6: Innovative Research in Maritime Cyber Security and Cyber Defence	
	<p>Moderator: Professor Nikitas Nikitakos, Aegean University</p> <p>A prototype AIS input sanitizer to constrain the attack surface of intergraded bridge and navigation systems</p> <p>Authentication mechanisms for VHF Data Exchange System (VDES)</p> <p>Hostile intelligence service interest in emerging satellite internet service</p> <p>A Holistic Approach for the Dependability Enforcement of Cyber & Power Systems on future MVDC Ships</p>	<p>Cdr Chad Bollmann US(N) Naval Postgraduate School (NPS)</p> <p>Mr Mirko Frasconi Thales</p> <p>Mr Michael Cintron NATO Intelligence Fusion Centre - NIFC</p> <p>Dr Massimiliano Chiandone Trieste University</p>
1540-1600	Final Wrap up	<p>Moderator: Mr Dinos Kerigan-Kyrou PhD CMILT, Emerging Security Challenges Working Group</p>
1600-1610	NMIOTC Farewell Address	<p>Cdre Charalampos Thymis GRC(N) NMIOTC Commandant</p>