



ΔΕΛΤΙΟ ΤΥΠΟΥ

Αθήνα, 05 Μαΐου 2015

ΔΙΕΘΝΕΣ ΣΥΝΕΔΡΙΟ

"ENVIRONMENT & ENERGY in SHIPS"

22 Μαΐου 2015, Ναυτικός Όμιλος Ελλάδας (ΝΟΕ)
23 & 24 Μαΐου 2015, Σχολή Ναυτικών Δοκίμων (ΣΝΔ)

Τριάντα επιστημονικές εργασίες, πέντε εξειδικευμένα Workshops, μια ειδική συνεδρία με σειρά ομιλητών από τα Ηνωμένα Έθνη, (United Nations Environment Programme - UNEP) και πάνω από είκοσι προσκεκλημένοι ομιλητές, διαμορφώνουν τον διεθνή τεχνολογικό πλόνα ανάπτυξης και καινοτομίας, στον χώρο της ναυτιλίας. Επιπρόσθετα, η οργανωτική επιτροπή θα έχει την τιμή να υποδεχθεί τον εξ Αμερικής πρόεδρο της ASHRAE καθώς και υψηλόβαθμη Αιγυπτιακή Αντιπροσωπεία αποτελούμενη από κυβερνητικά και επιχειρηματικά στελέχη.

Το Ελληνικό Παράρτημα της ASHRAE, μετά από την σειρά των εξαιρετικά επιτυχημένων Διεθνών Συνεδρίων «Energy in Buildings», με θέμα το περιβάλλον και την ενέργεια στα κτίρια, διοργανώνει το πρώτο μίας σειράς συνεδρίων με θέμα: «Περιβάλλον και Ενέργεια στα Πλοία» (ENVIRONMENT & ENERGY in SHIPS 2015).

Το συνέδριο θα διεξαχθεί σε συνεργασία με την ASHRAE, το **ΠΟΛΕΜΙΚΟ ΝΑΥΤΙΚΟ** και το **TEE**, με συμμετοχή εγκρίτων ομιλητών, επιστημόνων και επαγγελματιών, που ασχολούνται με την ναυτιλία την ενέργεια και το περιβάλλον, τις υφιστάμενες λιμενικές εγκαταστάσεις, καθώς και τις νέες τεχνολογίες. Το συνέδριο είναι το πρώτο του είδους που διοργανώνεται από την ASHRAE παγκοσμίως.

Στόχος του είναι να αναδείξει και να διαπραγματευτεί θέματα που αφορούν τις τρέχουσες τεχνολογίες, να ενημερώσει για τις επιστημονικές και τεχνολογικές εξελίξεις, καθώς και να εκπαιδεύσει τους συμμετέχοντες στους τομείς της διαχείρισης του περιβάλλοντος και της ενέργειας. Καθιερώνεται έτσι ένας μόνιμος θεσμός ενημέρωσης, έρευνας και ανάπτυξης στα θέματα και τις εξελίξεις που αφορούν τον τομέα της ναυτιλίας.

Ναυπηγοί, Μηχανολόγοι & Ηλεκτρολόγοι Μηχανικοί, Αρχιτέκτονες, Πολιτικοί Μηχανικοί, Χημικοί Μηχανικοί, Ειδικοί Μεταφορών και Λιμένων με έμφαση στην Πράσινη Ενέργεια και στην Αειφορία, θα συνενώσουν τις δυνάμεις τους με απώτερο σκοπό να διευρύνουν τους ορίζοντες της τεχνολογικής αριστείας.

Αναμένονται συμμετοχές από ένα ευρύ φάσμα εταιριών συμπεριλαμβανομένων, ναυτιλιακών, κατασκευαστικών, πολυεθνικών καθώς επίσης και ελεύθερων επαγγελματιών.

Η UNEP θα αναφερθεί στις εξελίξεις στα παγκόσμια τεκταινόμενα, με πληθώρα θεμάτων και παρουσιάσεων, εστιάζοντας στα ψυκτικά υγρά τα οποία αποτελούν βασική παράμετρο στον τομέα της ψύξης στη ναυτιλία και στη βιομηχανία της αλιείας. Τα χρησιμοποιούμενα ψυκτικά σε αυτές τις βιομηχανίες αποτελούνται από Υδροχλωροφθοράνθρακες (HCFC) οι οποίοι έχουν σημαντικό αντίκτυπο στην διατήρηση της στιβάδας του όζοντος (ODS) όπως κατατάσσονται σύμφωνα με τη διεθνώς επικυρωμένη συμφωνία του πρωτοκόλλου του Μόντρεαλ. Δεδομένου της διασυννοριακής φύσης του θαλάσσιου χώρου, η διαχείριση των HCFC, εν πλω, απαιτεί συμμόρφωση με τους διεθνείς νόμους. Το Πρωτόκολλο του Μόντρεαλ ενθαρρύνει τα εμπλεκόμενα μέρη στην επιλογή και προώθηση εναλλακτικών λύσεων για HCFC με απώτερο σκοπό την ελαχιστοποίηση των περιβαλλοντολογικών συνεπειών λαμβάνοντας υπόψη τις κλιματολογικές επιπτώσεις καθώς και το οικονομικό τους αντίκτυπο. Η ενημέρωση και αξιολόγηση εναλλακτικών των HCFC είναι το πρώτο βήμα και παραπέμπει σε λύσεις

χαμηλού δυναμικού θέρμανσης του πλανήτη (GWP). Προκειμένου να επιτευχθεί αυτό το όραμα, απαιτείται προετοιμασία με γνώμονα και κοινό παρονομαστή τις δεξιότητες, τη νομοθεσία, τους κανόνες και τις διαδικασίες για τη διαχείριση τοξικότητας και ευφλεκτότητας των μακροπρόθεσμα εναλλακτικών λύσεων. Οι παρουσιάσεις της UNEP θα ολοκληρωθούν με ανοικτή συζήτηση πάνω στις νέες αναδυόμενες περιβαλλοντικές και ενεργειακά αποδοτικές τεχνολογίες ψύξης.

Λεπτομέρειες για το [πρόγραμμα](#) θα βρείτε στην ιστοσελίδα:

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καθώς και:



Για περισσότερες πληροφορίες μπορείτε να απευθυνθείτε στο hellenic.chapter@ashrae.gr

Friday, May 22, 2015 – Yacht Club of Greece

18 Karagiorgi Servias str., 18533 Piraeus, Hellas

		Seafights Auditorium A	Members Auditorium
8:00	9:00	Registration & Welcome	
Plenary - Open Ceremony - Welcome Presentations			
9:00	10:00	Vasiliki GALIOTOU ASHRAE Hellenic Chapter President Thomas PHOENIX ASHRAE President 2014-2015 Admiral Evangelos APOSTOLAKIS Chief of the Hellenic Navy General Staff Dimitris A. CHARALAMBOPOULOS Conference General Chair	
10:00	10:30	topic Thomas H. Phoenix	topic Theodoros Papadopoulos <i>President, Hellenic Association of Mechanical & Electrical Engineers</i>
10:30	11:00	topic Admiral Georgios CHRISTOPOULOS <i>General Inspector, Hellenic Navy General Staff</i>	Navy Shore Energy Efficiency - Saving Opportunities & Security Costas A. Balaras <i>Research Director GREC, NOA</i>
11:00	11:30	COFFEE BREAK	
11:30	12:00	topic Christos Spirtzis	Refrigerants and ASHRAE Flammability Classification-Transport Sector Prof. Dr. Walid Chakroun <i>Mechanical Engineering Department, University of Kuwait</i>
12:00	12:30	Energy Efficiency of Ships: Its Impact on Environment and Ship Safety Prof. Dr. Apostolos D. Papanikolaou <i>School of Naval Architecture & Marine Engineering, National Technical University of Athens</i>	UNEP
12:30	13:00	New Marine Postgraduate Courses - A Holistic Approach, Flexible and based on the Onsite and the Relevant Industrial Experience Prof. Dr. Elias Yfantis <i>Naval Architecture & Marine Engineering Section, Hellenic Naval Academy</i>	UNEP
13:00	14:00	LUNCH BREAK	
14:00	14:30	Building Interventions to Improve the Energy Performance of Existing Buildings Prof. Dr. Dimitris Aravantinos <i>Civil Engineering Department, Aristotle University of Thessaloniki</i>	UNEP
14:30	15:00	Sustainability for Shipping? The Need for Life Cycle Thinking Prof. Dr. Nikolaos Ventikos <i>School of Naval Architecture & Marine Engineering, National Technical University of Athens</i>	UNEP
15:00	15:30	Maritime Security and non Verbal Behaviour Stelios Kiosses <i>Psychologist and Human Factor Specialist</i>	Green Offshore Structures and Shipyards Transformation Prof. Dr. Nikitas Nikitakos <i>Department of Shipping, Trade and Transport, University of the Aegean</i>
15:30	16:00	Engineering and Ethics Prof. Dr. Maria Venieri <i>School of Philosophy & Social Studies, University of Crete</i>	Way forward for sustainable HVAC Solutions: Ten Tips for Managing Energy-Efficient Air-Conditioned Ships Prof. Dr. Essam Khalil <i>University of Cairo</i>
16:00	16:30	COFFEE BREAK	
16:30	17:00	KNOWLEDGE-BASED GREENING for a NEW GENERATION of PROCESSES, PRODUCTS and SYSTEMS: UTOPIA or REVOLUTION? Prof. Dr. Emmanuel Koukios <i>School of Chemical Engineering, National Technical University of Athens</i>	Design of a Launching Ramp for the Athenian Trireme "OLYMPIAS" Following the Ancient Paradigm Efstratios Andrianis <i>Maritime Engineer - Civil Engineer, Scientific Associate of National Technical University of Athens</i>
17:00	17:15	COFFEE BREAK	
17:15	18:00	ROUND TABLE – OPEN DISCUSSION	
20:00	22:00	AWARDS CEREMONY – DINNER AT THE YACHT CLUB	

Saturday, May 23, 2015 – Hellenic Naval Academy
145 Hadjikyriakou Avenue, Piraeus

		Trophies Auditorium	Laboratory of Naval Technology	Design Laboratory
8:00	9:00	Registration & Welcome		
Plenary				
9:00	10:00	Admiral Georgios CHRISTOPOULOS Hellenic Navy Vasileios PARASKEVOPOULOS ASHRAE Hellenic Chapter President-Elect		
10:00	10:30	Tom Phoenix ASHRAE President	UK Naval Ships HVACR - Maintenance of Legacy Systems Y. Abbas ¹ , R. Steward ¹ , N. Blower ² ¹ HVACR Design Engineer in the Analytical Engineering Group, Babcock Marine & Technology at Devonport Royal Dockyard, United Kingdom, ² Has thirty years of HVACR experience maintaining operational Royal Naval vessels and eight years as a Technical Lead for Devonport Royal Dockyard.	Current and Future Trends in Marine Antifouling Coatings and the Study of Energy Efficiency Benefits for a Naval Fleet Alexandros Michelis ¹ , George Gougoulidis ² . ¹ Quality Control Department head at the Souda Naval Base, Souda, Chania, ² Member of the Navy Permanent Committee Quality Assurance at the Navy's Detachment at Elefsis Shipyards, Elefsis, Attica.
10:30	11:00	Energy Security in the Build Environment Dimitrios Koupatsiaris ¹ ¹ Commander (Engineer), Hellenic Navy.	Life Extension of Legacy Turbines for Naval Propulsion Grahame Martin Global Business Manager ALBA Power	Novel Organic Rankine Cycle Working Fluids for Improved Ship Fuel Efficiency: DR-2 (HFO- 1336mzz(Z)) and DR-40A Konstantinos (Kostas) Kontomaris ¹ ¹ Global technology leader for heating and power generation working fluids in the R&D department of DuPont Fluorochemicals, Wilmington, Delaware (USA).
11:00	11:30	COFFEE BREAK		
11:30	12:00	Workshop 1: Initiative Low Cost Methods and Applications to Increase Security and Safety Level in Merchant Ships Against Asymmetric Threats Commodore Georgios Bamplenis H.N.	Conversion of Ferry to Hospital-Ship: An Architectural Approach Andreas Tsokos - Pappas ¹ , Stavros Giftopoulos ² , Thomas Mazarakos ³ ¹ Architecture, Dipl. Arch. Eng., School of Architecture, NTUA, ² Architect and Assistant Professor at National Technical University of Athens, School of Architecture, ³ Naval Architect, Marine Engineer and Adjunct Assistant Professor at the Dpt. of Naval Architecture, Technological Educational Institute of Athens.	Nanomechanical and Electrochemical Properties of Nano-composite Coatings for Maritime Applications A.Trompeta ¹ , D. K. Perivoliotis ² , E. K. Karaxi ³ , E. Millioni ⁴ , A. Karantonis ⁵ , A. Skarmoutsou ⁶ , C.A. Charitidis ⁷ ¹ Chemical engineer Dpt. of Chemical Engineering, ² Ph.D. candidate, ³ Ph.D. candidate, ⁴ Ph.D. candidate, ⁵ Assistant professor, Dpt. of Chemical Engineering NTUA, ⁶ Post-doctoral researcher, ⁷ Professor, Dpt. of Chemical Engineering NTUA
12:00	12:30	Workshop 1: Initiative Low Cost Methods and Applications to Increase Security and Safety Level in Merchant Ships Against Asymmetric Threats Commander Spiridon Kinzios H.N.	Power Plant-Related Measures for Improving Energy Efficiency in Ships G. Gougoulidis ¹ , F. Karagiannopoulos ² , O. Fakou ² ¹ Officer and Naval Architect, Hellenic Navy, ² Marine Engineering Officer in the Hellenic Navy	Self-healing cerium molybdate and copper oxide nanomaterials for protection of metal alloys for marine applications E.K. Karaxi ¹ , I.A. Kartsonakis ² , E.P. Koumoulos ³ , C.A.Charitidis ⁴ ¹ PhD candidate, ² Postdoctoral Researcher, Dpt. of Chemical Engineering, NTUA, ³ Postdoctoral Researcher, Dpt. of Chemical Engineering, NTUA, ⁴ Professor, Dpt. of Chemical Engineering, NTUA
12:30	13:00	Workshop 1: Initiative Low Cost Methods and Applications to Increase Security and Safety Level in Merchant Ships Against Asymmetric Threats From Asymmetric Threats to Hybrid Operations Prof. Dr. Konstantinos Grivas Hellenic Military Academy. Department of Turkish Studies and Modern Asian Studies, University of Athens. National Defence College. National Security Academy.	Similarities and Differences between Aviation and Shipping Environmental Impact to Climate Change Georgia Lykou ¹ , Nikolaos P. Ventikos ² , Georgios V. Lykos ³ ¹ Head of Environmental Protection Dpt, Hellenic Civil Aviation Authority and ICAO/ CAEP representative for Greece, ² Assistant Professor, Laboratory for Maritime Transport, NTUA, ³ Phd candidate, Laboratory for Maritime Transport, NTUA	Novel HDPE Nanocomposites for Ships surfaces: In Situ Determination of Antibacterial Properties N. S. Heliopoulos ^{1,2} , G. Kouzilos ¹ , K. Glampedaki ³ , A. Glampedakis ³ , S. P. Papageorgiou ⁴ , Z. Sideratou ⁴ , F. K. Katsaros ⁴ , K. Stamatakis ² ¹ Army Chemical Laboratories of the Supreme Military Army Support Command of the Hellenic Army General Staff, ² NCSR "Demokritos", Institute of Biosciences and Applications, Athens, Greece, ³ Technological Educational Institute of Athens, REDCOAST International, ⁴ NCSR "Demokritos", Institute of Biosciences and Applications, Greece
13:00	14:00	LUNCH BREAK		
14:00	14:30	Workshop 1: Initiative Low Cost Methods and Applications to Increase Security and Safety Level in Merchant Ships Against Asymmetric Threats Human Error and Marine Safety Stelios Kiosses, Psychologist	Applications of Absorption Heat Pump and Refrigeration System on Ships Cüneyt Ezgi ¹ , İbrahim Girgin ¹ ¹ Mechanical Engineering Department, Turkish Naval Academy, Istanbul, Turkey.	Workshop 2: Commissioning, Operations & Maintenance: Ensuring the Energy Efficiency of the Built Environment. Vasileios Paraskevopoulos ASHRAE Hellenic Chapter President-Elect
14:30	15:00	Workshop 1: Initiative Low Cost Methods and Applications to Increase Security and Safety Level in Merchant Ships Against Asymmetric Threats Designing for the new challenges Alkis Triantafyllopoulos	Theoretical Investigation of an Optimized Turbo Compound System applied on a Marine 2-Stroke Diesel Engine Nikolaos F. Sakellariadis ¹ , Efthimios G. Pariotis ² , Dimitrios T. Hountalas ³ ¹ PhD student, Dpt. of Mechanical Engineering, NTUA, ² Assistant Professor, Hellenic Naval Academy, ³ Professor, Dpt. of Mechanical Engineering, NTUA	Workshop 2: Commissioning, Operations & Maintenance: Ensuring the Energy Efficiency of the Built Environment. Vasileios Paraskevopoulos Mechanical Engineer, Commissioning Management Consultants ASHRAE Hellenic Chapter President-Elect

15:00	15:30	<p>Design of Compact cabins for better air quality A. A. Ali¹, N. A. Nasr², A.F. Elsafty³ ¹Senior Lecturer, ²Assistant Dean Upgrading Studies Institute - Arab Academy for Science, Technology and Maritime Transport, Alexandria, Egypt, ³Dean of the College of Engineering - American University of the Middle East, Ahmady, Kuwait.</p>	<p>Evaluation of Thermoelectric Generators for Waste Heat Recovery in Ships D. Kossyvakis¹, C. Vossou¹, E Hristoforou³ ¹PhD candidate, School of Mining and Metallurgy Engineering, NTUA, ³Professor, School of Mining and Metallurgy Engineering, NTUA</p>	<p>Workshop 2: Commissioning, Operations & Maintenance: Ensuring the Energy Efficiency of the Built Environment. Vasileios Paraskevopoulos Mechanical Engineer, Commissioning Management Consultants ASHRAE Hellenic Chapter President-Elect</p>
15:30	16:00	<p>Experience with Gas Turbines Diagnostic Methods, Application and Integration to Health Monitoring Tools Roumeliotis I.¹, Aretakis N.², Alexiou A.³, Romesis C.⁴, Tsalavoutas A.⁵, Stamatias A.⁶, Mathioudakis K.⁷ ¹Assistant Professor, Hellenic Naval Academy, ²Assistant Professor, Dpt. of Mechanical Engineering, NTUA, ³Senior Researcher in the Lab of Thermal Turbomachines NTUA, ⁴Senior Researcher in the Lab of Thermal Turbomachines NTUA, ⁵Senior Researcher in the Lab of Thermal Turbomachines NTUA, ⁶Associate Professor, Dpt. of Mechanical Engineering, University of Thessaly, Volos, Greece, ⁷Professor, Dpt of Mechanical Engineering, NTUA</p>	<p>Application of Photovoltaics on Ship Electrical Power Systems: Utopia or Reality? G. Mpalagiannis¹, G. Tsamopoulos², C. Kalogrias³, G.J. Tsekouras⁴, F.D. Kanellos⁵ ¹Lieutenant Commander (Eng), Hellenic Navy, Fire Fighting Training Unit Director, Skaramangas Naval Fortress, Greece, ²Lieutenant Commander (Eng), Hellenic Navy, Electrical and Electronic Repair Department Deputy Director, Salamina Naval Base, Greece, ³Commander (Eng), Hellenic Navy, Electrical and Electronic Repair Department Director, Salamina Naval Base, Greece, ⁴Assistant Professor of Ship Electric Power Systems, Hellenic Naval Academy, ⁵Lecturer, School of Production Engineering and Management, Technical University of Crete, Chania, Greece.</p>	<p>Workshop 2: Commissioning, Operations & Maintenance: Ensuring the Energy Efficiency of the Built Environment. Vasileios Paraskevopoulos Mechanical Engineer, Commissioning Management Consultants ASHRAE Hellenic Chapter President-Elect</p>
16:00	16:30	COFFEE BREAK		
16:30	17:00	<p>Optimal Economic Operation of a Complex Electric Power System with Shaft Generators P. Michalopoulos¹, G. J. Tsekouras², F.D. Kanellos³, J. M. Prousalidis⁴ ¹Commander (Eng), Hellenic Navy and PhD candidate in the School of Naval Architecture and Marine Engineering, NTUA, ²Assistant Professor of Ship Electric Power Systems, Hellenic Naval Academy, ³Lecturer of Electric Circuits, School of Production Engineering and Management, Technical University of Crete, ⁴Associate Professor, School of Naval Architecture and Marine Engineering NTUA</p>	<p>Investigating the applicability of Building Energy Simulation as an Energy Modelling Tool in ships Dimitrios Sfakianakis¹, Dracos Vassalos², Gerasimos Theotokatos³ ¹Research assistant, Dpt of NAOME of the University of Strathclyde, Glasgow, UK, ²Professor of Maritime Safety Dpt of NAOME of the University of Strathclyde, ³Senior lecturer, Dpt of NAOME of the University of Strathclyde, Glasgow, UK.</p>	<p>Workshop 3: Marine Diesel Engines Online Monitoring & Diagnostic Systems Prof. Dr. Elias Yfantis Naval Architecture & Marine Engineering, Hellenic Naval Academy</p>
17:00	17:30	<p>Miller Cycle Application in Marine Diesel Engines for NOx Reduction: A Review Elias Yfantis¹, Theodoros Zannis², Ioannis Katsanis³, Roussos Papagiannakis⁴, Petros Siritoglou⁵, Athanasios Lamprou⁶ ¹Professor, Hellenic Naval Academy, ²Assistant Professor, Hellenic Naval Academy, ³Lecturer, Hellenic Naval Academy, ⁴Associate Professor, Hellenic Air Force Academy, ⁵Lieutenant Jr Grade Engineer in Hellenic Navy, ⁶Lieutenant Jr Grade in Hellenic Navy.</p>	<p>CFD as a Tool for Thermal Comfort Assessment Koubogiannis Dimitrios¹, Tsimperoudis Georgios², Karvelas Evangelos³ ¹Assistant professor, Dpt of Energy Technology Engineering, TEI Athens, Greece, ²Undergraduate student, Dpt of Energy Technology Engineering, TEI Athens, Greece, ³Postgraduate student, Dpt of Energy Technology Engineering, TEI Athens, Greece.</p>	<p>Workshop 3: Marine Diesel Engines Online Monitoring & Diagnostic Systems Prof. Dr. Elias Yfantis Naval Architecture & Marine Engineering, Hellenic Naval Academy</p>
17:30	18:00	<p>A Novel Method for Water Thermolysis and CO₂ Transformation to Hydrocarbons N. D. Papadopoulos¹, E. V. Hristoforou² ¹Holds a Ph.D. and a D.Eng. Degree in Metallurgy Engineering and an M.Eng. Degree in Materials Science, ²Professor, School of Mining and Metallurgy Engineering, NTUA</p>	<p>Sustainable Maritime Transport with LNG between Greek Mainland and Islands in the Archipelagos (ARCHIPELAGO-LNG) in the field of the trans-European network (TEN-T) Konstantinos Sfetsioris¹, Antonios Gypakis², Panagiotis Grammelis³, Adamis Mitsotakis⁴ ¹Research Associate in the Centre of Research and Technology Hellas, ²Senior Scientific officer of General Secretariat for Research and Technology, Athens, Greece, ³Researcher in the Centre for Research and Technology Hellas, ⁴Research Associate in the Centre of Research and Technology Hellas</p>	<p>Workshop 3: Marine Diesel Engines Online Monitoring & Diagnostic Systems Prof. Dr. Elias Yfantis Naval Architecture & Marine Engineering, Hellenic Naval Academy</p>
18:00	18:30	COFFEE BREAK		
20:00	22:00	DINER & SOCIAL EVENT		

Sunday, May 24, 2015 – Hellenic Naval Academy
145 Hadjikyriakou Avenue, Piraeus

		Trophies Auditorium	Laboratory of Naval Technology	Design Laboratory
8:00	9:00	Registration & Welcome		
Plenary				
9:00	10:00	<p align="center">Admiral Athanasios NASOPOULOS Hellenic Navy</p> <p align="center">Dr. Ioanna Deligkiozi ASHRAE Hellenic Chapter Secretary</p>		
10:00	10:30	<p>Crisis Communication Plan – A luxury or a necessity? The importance of protecting the reputation of a company in an environmental crisis Katerina G.Skourtanioti¹, Georgios V.Lykos², Nikolaos P.Ventikos³</p> <p>¹Strategic communication and crisis management expert. Managing Director at VenLyS, ²Lt. Commander (Eng) in Hellenic Navy, Ph.D. candidate at Lab for Maritime Transport, NTUA, Member of Maritime Risk Group, Greece, ³Assistant Professor at Laboratory for Maritime Transport, NTUA, Manager of Maritime Risk Group, Greece.</p>	<p>Capital Budgeting Techniques In Energy Systems - Appliance In Marine Industry Athanasios Lamprou¹, Elias Yfantis², Ioannis Katsanis³, Theodoros Zannis⁴, Petros Siritoglou⁵</p> <p>¹Lieutenant Jr Grade in Hellenic Navy, ²Professor in Hellenic Naval Academy, ³Lecturer in Hellenic Naval Academy, ⁴Assistant Professor in Hellenic Naval Academy, ⁵Lieutenant Jr Grade Engineer in Hellenic Navy.</p>	
10:30	11:00	<p>Statistical Survey for Common Health Problems Onboard Ships: a Study Focused on Marine Engineers Elsafty, A. F.¹, N. A. Nasr²</p> <p>¹Dean of the College of Engineering - American University of the Middle East, Ahmady, Kuwait, ²Assistant Dean Upgrading Studies Institute - Arab Academy for Science, Technology and Maritime Transport, Alexandria, Egypt.</p>	<p>Life Cycle Assessment as a Prerequisite Tool in Maritime Industry N.Vlachou¹, A.Trompeta², H. Sarimveis³, C.A.Charitidis⁴</p> <p>¹Chemical engineer that serves at the Master Program of Materials Science and Engineering, in the School of Chemical Engineering, ²Chemical engineer and serves at the Master Program of Materials Science and Engineering, in the School of Chemical Engineering, ³Associate professor in the Department of Chemical Engineering, NTUA, ⁴Professor in the Department of Chemical Engineering, NTUA</p>	<p>Utilization of Vertical Axis Wind Turbines in Port Areas Argyrios D. Stouras¹, George Kouzilos², Dimitrios E. Manolakos³</p> <p>¹Undergraduate student, School of Mechanical Engineering, NTUA, ²Researcher with PhD in Mechanical, NTUA, ³Professor, School of Mechanical Engineering, NTUA</p>
11:00	11:30	COFFEE BREAK		
11:30	12:00	<p>Workshop 4: Advaned Technologies for Green Ships/Green Ports Prof. Dr. Emmanuel Koukios School of Chemical Engineering, National Technical University of Athens</p>	<p>Determination of the Plastic Deformation and Residual Stress Tensor Distribution Using Surface and Bulk Intrinsic Magnetic Properties Polyxeni Vourna¹, Aphrodite Ktena², E Hristoforou³</p> <p>¹PhD candidate, at the School of Mining and Metallurgy Engineering, NTUA, ²Associate Professor at the TEI of Sterea Ellada, Greece, ³Professor at the School of Mining and Metallurgy Engineering, NTUA</p>	<p>Workshop 5: Anchored Platforms for Desalination Production Prof. Dr. Evangelos Hristoforou School of Mining & Metallurgical Engineering, National Technical University of Athens</p>
12:00	12:30	<p>Workshop 4: Advaned Technologies for Green Ships/Green Ports Prof. Dr. Emmanuel Koukios School of Chemical Engineering, National Technical University of Athens</p>	<p>An Electrical Pulsing Technique for Capacity Restoration of Lead Acid Batteries K. Assimakopoulos¹, N. Hadjigeorgiou², D. Kossyvakis³, E. Hristoforou⁴</p> <p>¹M.Sc. student in the School of Mechanical Engineering, NTUA, Athens, ²PhD student in the School of Electrical Engineering, NTUA, Athens, ³PhD student in the School of Mining Engineering and Metallurgy, NTUA, ⁴Professor at the School of Mining and Metallurgy Engineering, NTUA</p>	<p>Workshop 5: Anchored Platforms for Desalination Production Prof. Dr. Evangelos Hristoforou School of Mining & Metallurgical Engineering, National Technical University of Athens</p>
12:30	13:00	<p>Workshop 4: Advaned Technologies for Green Ships/Green Ports Prof. Dr. Emmanuel Koukios School of Chemical Engineering, National Technical University of Athens</p>	<p>Experimental Investigation of Harmonic Distortion in Port Crane Systems C.S. Psomopoulos¹, S.D. Kaminaris¹, G.Ch. Ioannidis¹, A. Apergis², S. Zilakos², P. Pizanis², A. Gampletsas²</p> <p>¹Professor in the Department of Electrical Engineering, Piraeus University of Applied Science (Technological Education Institute of Piraeus), Athens, Greece, ²Electrical engineers employees in Piraeus Container Terminal S.A., Piraeus Greece.</p>	<p>Workshop 5: Anchored Platforms for Desalination Production Prof. Dr. Evangelos Hristoforou School of Mining & Metallurgical Engineering, National Technical University of Athens</p>
13:00	13:30			
13:30	14:30	End of Conference - Farewell Cocktail		

International Conference
**ENVIRONMENT &
ENERGY IN SHIPS**
MAY 22 - 24, 2015



REGISTRATION PRICES

Technical Program

- Full package 155 €
(including all presentations, meals & social events)
- 3-Day Registration fee 35 €
(excluding meals & social events)
- Single day Registration fee 25 €
(excluding meals & social events)

Meals & Social Events

Yacht Club of Greece (Friday, May 22, 2015)

- Lunch 25 €
- Awards ceremony & Dinner 35 €

Hellenic Naval Academy (Saturday, May 23, 2015)

- Lunch 20 €
- Dinner & Social Event 25 €

Hellenic Naval Academy (Sunday, May 24, 2015)

- Farewell cocktail 15 €

Discounts

- Early bird registration (until May 11, 2015) - 20 %
- Speakers - 30 %
- Students - 50 %
- ASHRAE Students - 70 %
- Navy Officers inquire

