



# Making Waves

Newsletter for Maritime Studies Students and Graduates

March 2014  
Number 1

## Maritime Studies at City University London

In the first newsletter it is perhaps pertinent to reflect on the development of the School's maritime activities. City University has had strong connection with the maritime and offshore industries since the 1960s. The MSc Maritime Operations and Management (MOaM) course was conceived 12 years



Professor John Carlton  
MOaM Programme Director

ago by a core group comprising Captain Culshaw and Professors Arcoumanis and Thorley. They convened a steering group to guide course design and content, as well as the recruitment of visiting teaching staff from industry. The first twelve students were enrolled in 2003/4 under the direction of Professor Boswell who guided the course until Professor Carlton succeeded him in 2010/11. The majority of the initial cohorts were working in industry and registered as part time students, and the course's block modular format was designed for flexible access. Over the early years the proportion of part time students were outnumbered by those enrolling full time and coming straight from completing a first degree in a relevant subject. Since 2010, however there has been an increase in proportion of part time students again.

In the early years the numbers of students remained at about 10 to 20 per year but this has now increased to around 35 to 40 students per year. Students are from

increasingly diverse backgrounds but they all share a common desire to work in the marine industry. Furthermore, the course is truly international with students from Europe, Africa, the Middle and Far East. A further international dimension comes from partnerships and funding from the EU CoMEM initiative to work with other leading European Universities in offering a two year MSc in Coastal and Marine Engineering and Management Programme.

The teaching aspect of the MOaM course comprises core and elective modules. The core modules have now been extended to include Environmental Studies and the range of elective modules has been progressively extended so as to permit a wider choice of options to meet the future career aspirations of the students. There is also a schedule of guest lectures and outside visits.

Throughout the life of the MOaM course the Honourable Company of Master Mariners has been particularly supportive. Each year the annual dinner is held on board HQS Wellington, the Company's livery hall, and the Company also offers annually 'Student of the Year' prize. The programme is now accredited by: Institute of Marine Engineering, Science and Technology for the Chartered Marine Technologist (CMarTech) designation; the Institute of Chartered Ship Brokers and most recently Royal Institute of Naval Architects.

Over the last two or three years we have also been building up a number of research activities. Currently, we have six PhD students, four full time and 2 part time, with some of the research sponsored by industry.

John Carlton FEng  
Professor of Marine Engineering

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### Events Alert



3/2 days  
Professional  
Development  
Workshops  
September 2014  
(see page 4)

## Graduates 2011-12

Master of Science in Maritime  
Operations and Management

Uduwage Don Sahan Dinesh  
Abeysekara  
AhsanAhmad  
Ioannis Akrivos  
Abdulkarim Albabtain  
Iniekefie Allison  
Larry Amaraibi  
Antonios Anagnopoulos  
Elena Alexia Athanasiou  
Abhijit Aul\*  
Arsenij Bic  
Ioannis Bouras  
Kamran Arshad Butt  
Kevin Constable\*  
Panagiotis Dendrinou  
Maria Alexia Ermidou  
Alaba Oluyole Fadola  
Gregg Ford  
Gabriele Gambino  
Georgios Gkelis  
Peter Brian Hackett  
Tarik Hersek  
Taiwo Olubukola Ibrahim  
Dzhabrail Ismailov  
Dimitrios Kafetzis  
Anna Koldova  
Kelly Jane Kruger\*  
Manoj Kumar  
Andreas Lampropoulos  
John Fredy Loaiza Vasquez  
Spyridon Fotios Angelos Lykoudis  
Phuong Thao Nguyen  
Alexandra Maria Notopoulou  
Miltiadis Papadopoulos  
Diptendu Paramanick  
Ioannis Patras  
Nefeli Evangelia Remanta Michali  
Isaias Aris Vasileiadis  
Dimitra Emmanoyela Ventiri

\* with distinction

## The First Course Dinner - Wellington on the Thames



Scanned from hardcopy. Circa 2003-4. Annual course dinner on HQS Wellington.

When is the start date of a programme? Is it when the first cohort arrives. In that case MOaM 'started' in 2003. Or is it when the first group of full-timers graduate. For MOaM that would be 2004. From 2003-4 to 2013-14 much has changed in the Maritime Industry and the world.

MOaM is 10 years old and the course has also changed but some things have stayed the same. For example:

- Every year, in keeping with maritime traditions and a course of this level, there has been a course dinner (usually on the HQS Wellington Temple Stairs, Victoria Embankment, London).
- Every year there is a graduation ceremony.
- Every year students start their own private network of colleague from the course, and lectures they keep in touch with.
- Every year we hear of careers flourishing.

Where are the photographs and records of these events over the past 10 years? One of the effects of the digital technology revolution is that much of this history is online and in institutional database. The technology changes and history is lost. Photographs were uploaded into various online sharing site and these virtual places have disappeared over the years. Records of Alumni emails start to decay as databases are upgraded.

Perhaps not everything has disappeared—perhaps it is all just distributed in peoples private collections and memory . Other photographs of events and people would be most welcome .

Subject line: MOaM archive Maritime@city.ac.uk

## Making history -Guildhall London



Graduation Ceremony Wednesday 29th January 2014. Portrait Gallery Guildhall London.  
Congratulations to the class of 2012-13.

## Graduates 2012-13

Master of Science in Maritime  
Operations and Management

Abigail Ajayi  
Andreas Andritsopoulos\*  
Carolina De Martini  
Olympia Delimita  
Maria Iokasti Dellatola  
Turgay Erguven  
Maxwell Kpabitey Fioorgbor  
Dimitar Yanev Georgiev  
Steven Gosling\*  
Yevgen Grechka\*  
Vasileios Grigorakos  
Fahad Hayee  
Semih Kahraman  
Ioannis Klonizakis  
Winnie Aurelie Kwedi Beke  
Efsthathios Kyriakongonas  
Georgios Markou  
Tun TunMin  
Panagiotis Maroulis  
Konstantinos Mourgogiannis  
Tor Hugo Not0Y\*  
Emmanouil Ntentidakis  
Zoia Panasenکو  
Philip Peter Roos  
Ishaka Al-Mustapha Shitu  
Veselin Shivachev  
Kyriaki Andromachi Skiniti  
Olga Symvoulaki  
Ilias Tomaras  
Androniki Tschlaki  
Lodewijk Hendrik Van Der Lelij  
Antigoni Maria Vrochidou

Postgraduate Diploma in  
Maritime Operations and  
Management

Fahim Khalid

Master of Science in Coastal  
and Marine Engineering &  
Management

Fitriani Kusuma Dewi\*

Bojan Manic\*

\* with distinction



Guildhall London

City University Graduates can join the City University London *Alumni* Network. This is made up of over 130000 former City students living in 202 countries around the world, many of them are now working in the forefront of their fields. To join this network email your contact details to [alumni@city.ac.uk](mailto:alumni@city.ac.uk). Remember to update these over the years.

Find out more at : <http://www.city.ac.uk/alumni>



Graduation Ceremony from the video  
<http://www.city.ac.uk/graduation/past-ceremonies>

Membership of the *Alumni* Network is free and lifelong and includes:

- Careers: for the next three years City University will provide advice through the Careers, Student Development and Outreach service. This includes support with CVs, application forms and mock interview practice face to face and telephone. Alumni have access to the University's online jobs board where alumni can both search for employment and advertise positions to current City students and Alumni.
- International groups: join one of the international alumni groups, currently 60 world wide.
- Professional development: Get early notice of workshops, short course and other professional development opportunities and bursaries.



## External Examiners Update

The work of an external examiner is not always obvious to students and the outside world. They are the voice of standards, and fair play. They examine dissertations and exam scripts, comment on examinations questions and marking criteria, and sit though assessment boards. As such, they scrutinise decisions so that justice is always in the room.

Ray Thompson, Emeritus Professor of Marine Engineering. University of Newcastle upon Tyne  
MOaM External Examiner 2008-2013

Professor Ray Thompson has been our external examiner for the last five years. In one of the examiners report to the University Professor Thompson wrote "The Board is painstakingly fair about its assessment procedures." We thank him on behalf of the students and staff for his painstaking attention to details. Professor Thompson has kept us on our toes, and has brought his wealth of experience in academia and industry and generally provided a safe pair of hands. Professor Thompson has served his full term, and we thank him and wish him well for the future.

Chengi Kuo FRSE, BSc, PhD, C Eng, FRINA  
Research Professor, Dept. of Naval Architecture and Marine Engineering, University of Strathclyde.  
MOaM External Examiner 2014



Professor Chengi Kuo

Professor Chengi Kuo is a Fellow of the Royal Society of Edinburgh. He describes himself as "an academic motivated by the challenge of providing innovative teaching and applying research advances to practice." He is a graduate of Glasgow University, and worked in the U.S.A before joining the University of Strathclyde.

Since 1993, he has run safety management training courses/workshops worldwide to over 2500 practicing engineers and students. He is the author of seven books: including 'Business fundamentals for engineers' (McGraw Hill 1992) and 'Safety management and its maritime application' (Nautical Institute 2007). He has written over 160 papers. In 2010 Professor Kuo was the named lecturer of the year for the Science, Engineering and Technology (SET) award.

We welcome Professor Kuo as the new Programme External Examiner, and we look forward to working with you.

## European Erasmus Mundus Coastal and Marine Engineering and Management Programme



The CoMEM programme is a UNIQUE International English-language two- year Master's Programme jointly run by a consortium of five highly recognized and rated universities with complementary strengths and expertise:



- The Norwegian University of Science and Technology, Trondheim, Norway
- City University London, United Kingdom
- University of Southampton, United Kingdom
- Delft University of Technology, The Netherlands
- The Technical University of Catalonia BarcelonaTech, Spain



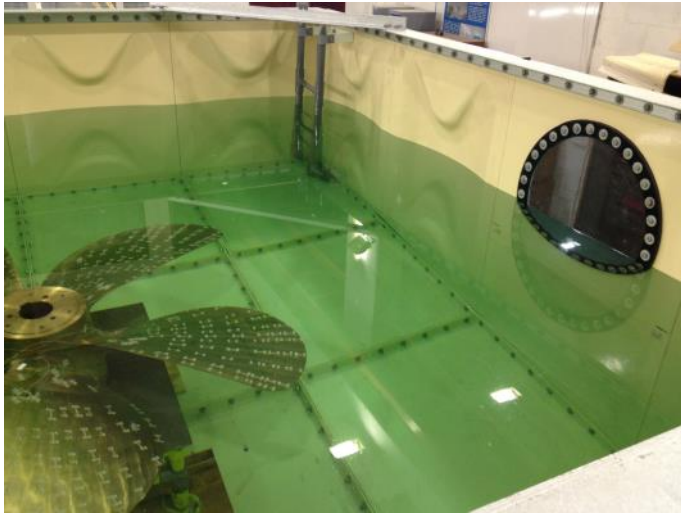
The scheme is now entering its second five year phase. Students spend their first year at Trondheim and then elect to spend the second year at one of the other Universities where they also write their dissertation. Those students who elect to come to City University London then undertake a selection of modules including the dissertation project from the MOaM programme in the second year.



SCHOLARSHIPS are available through EU funding of the programme and a limited number of attractive scholarships are offered to Non-EU and EU students. Applications open in October and Close in December for scholarship applicants and in March for self funding applicants For more information visit: <http://www.ntnu.edu/studies/mscomem>

## Maritime Research Activities at City University London

Over the last two or three years we have been building up maritime research activity within the school to underpin our MSc taught Programmes. The research areas embrace both management and technical subjects. At present we have six PhD students at various levels in their studies. Four are full time and two are part time.



Full scale propeller being tested in a water tank in the engineering laboratory at City University London

**Elena Hauerhof**

*The minimization of ship-produced atmospheric CO<sub>2</sub> emissions with particular reference to tankers and full form ships.*

**Saeed Javdani Zamani Sagheb**

*Singing of marine propellers and methods of avoid it in design*

**Ioannis Armakolas**

*Cavitation erosion fracture mechanics.*

**Elham Derafshi**

*Cavitation collapse thermodynamics.*

**Venus Lun**

*Performance measurement in intermodal port terminals.*

**Hossam Othman**

*A model for improving risk management performance in upstream supply chain network.*

For more on research in the School of Engineering and Mathematical Sciences visit <http://www.city.ac.uk/engineering-maths/research>

For more on research seminars, workshops and other events visit: <http://www.city.ac.uk/engineering-maths/research/events>

## Future Ship Powering Options



New Report from the Royal Academy of Engineering exploring alternative methods of ship propulsion.

This is written by a team of leading experts in marine propulsion led by Professor John Carlton FREng

*Extract from the executive summary:* "International agreements on the need to combat climate change, the fluctuating and rising costs of marine fuels which account for a large proportion of the running costs of a ship, and developments on a number of other fronts have led many in the industry to question whether the present methods of ship propulsion are sustainable. These concerns are enhanced by the introduction of environmental regulations intended to reduce the impact of climate change – primarily MARPOL Annex VI and the Energy Efficiency Design Index regulations together with the possible introduction of carbon taxes.

This report embraces a number of conventional propulsion methods and fuels and also addresses the newer options of biofuels, liquid natural gas and hydrogen. In the case of other propulsion options, the subjects of nuclear propulsion, alternative fuels, batteries, fuel cells, renewable energy, superconducting electric motors and hybrid propulsion are considered. Additional propulsion influences are addressed and include conventional and non-conventional propulsors, magnetohydrodynamic propulsion, energy-saving devices, hull design and coatings. "

Sir John Parker GBE FREng President of the Royal Academy of Engineering said "I believe that this report will be of great benefit to the shipping industry, offering an overview that is both broad and expertly informed. I hope that it is made full use of as this important sector joins the challenge to reduce emissions on a global scale and maintain its competitiveness."

This report is required reading for MOaM students.

Download a copy from [https://www.raeng.org.uk/news/publications/list/reports/Future\\_ship\\_powering\\_options\\_report.pdf](https://www.raeng.org.uk/news/publications/list/reports/Future_ship_powering_options_report.pdf)

## Trilogy of Accreditations

In late 2013 we achieved our goal of having three accreditations for the Maritime Operations and Management Programme. Following a stringent review of our course materials, education and assessment practices, quality assurance processes and entry requirements, we now have accreditation from:

- i. Institute of Marine Engineering Science and Technology (September 2011)
- ii. Chartered Institute of Shipbrokers (October 2013)
- iii. Royal Institution of Naval Architects (December 2013)

### Chartered Marine Technologist (CMarTech)



This Accreditation means that the IMarEST has assessed the programme against their set of criteria that ensures a high standard of courses content, provision and assessment. The process was by peer review and City University London facilities were inspected. IMarEST assessors questioned the MOaM staff team and reviewed the copious evidence that was supplied before the full two day assessment process. The proceedings were chaired by Ben Saunders IMarEST Education, Professional Development and Membership Manager. He said "IMarEST endeavours to ensure that the highest standards are maintained on all courses and training programmes that are accredited, approved or recognised." In the accreditation report the reviewers wrote "The interaction between the staff and students is particularly pleasing to note." In addition the Professional Studies and Research Methods Modules, were singled out for praise.

Graduates of MOaM, with appropriate industrial experience, can apply for Professional Recognition as Chartered Marine Technologist (CMarTech). **The programme accreditation is back dated so applies to graduates up to five years before 2011. This will not preclude earlier MOaM graduates. Their applications will be taken forward through the Institute's IPC Board.**

### Institute of Chartered Ship Brokers – Exams Exemptions



The Professional Qualifying Examinations form the pinnacle of the qualification awarded by the Institute of Chartered Shipbrokers. Their assessment comprises 7 exams which can be taken over 5 years. MOaM graduates can apply for exemptions for a maximum of 3 examinations from September 2013. Exemption can be from the following:

(1) Introduction to Shipping (IS); (2) Legal Principles in Shipping Business (LPS) (cannot be combined with an exemption for Shipping Law; (3) Economics of Sea Transport and International Trade (EST); (4) Marine Insurance (MI)

### The Royal Institute of Naval Architects



The Royal Institute of Naval Architects after undertaking a detailed assessment of the MOAM course have recognised the course as being of the required standard to form part of the RINA Continuing Professional Development Log.

#### New Professional Development 2/3 day Workshops At City University London

Workshops are in the early stages of being planned.

Port Planning and Operations (3 days)	1st - 3rd September 2014
Ports Performance and Optimisation (2 days)	4th - 5th September 2014
Port Pricing and Strategy (3 days)	8th - 10th September 2014
Port Finance and Investment (2 days)	11th - 12th September 2014

For information and expression of interest email [Maritime@city.ac.uk](mailto:Maritime@city.ac.uk)

## Honourable Company of Master Mariners



The Honourable Company of  
Master Mariners  
[www.hcmm.org.uk](http://www.hcmm.org.uk)

Captain S. T. Culshaw is a Past Master of the Honourable company of Master Mariners and held this prestigious position in the early days of MOaM (2003-4). His commitment to MOaM has been instrumental to the success of the course. Furthermore for 10 years HCMM has provided invaluable expertise from their own numbers, and many have served on the MOaM Industrial Advisory Board.

Captain Culshaw shares his thoughts in an open letter:

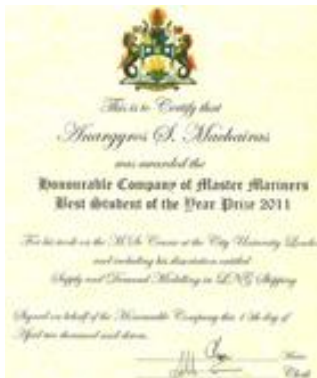
"It is the duty of City of London Livery Companies to assist City of London Institutions in whatever way is appropriate. The HCMM assisted London's City University to develop a Masters Degree (MSc) course in 'Maritime Operations and Management'. Since 1926 one of the Company aims has been to be available for advice and consultation on all questions

concerning or affecting the Merchant Navy, or judicial, commercial, scientific, educational or technical matters relating thereto. The course was designed to educate future managers and leaders for the maritime industry and qualification and the endorsement are specific to the mission of HCMM and the emerging needs of maritime sectors worldwide.

From a personal point of view it is gratifying to see the year on year raise in standard of entry qualifications and calibre of graduates from the course. It is also interesting to realise that the course is attracting personnel who have obtained the ranks of master or chief engineer. I notice that this leads to cross fertilisation, the young helping the more experienced and vice versa. This is gratifying not least because I would not have survived my first degree without the help of my colleagues 10 years my junior."

## HCMM Prize for high achievement

Every year a sizable batch of MOaM students graduate with merits and distinctions. Every year personal tutors and project supervisors are impressed by students who perform under challenging circumstances. Some of these challenges are because students are doing demanding jobs at the same time as studying. For others it is working part-time to fund their studies. For mature students life does not stop—there are births, deaths, illness in the family, house moves, financial worries and not least having time for family and friends. Many students are travelling or living far from home.



Some exceptional students graduate with distinction under specially challenging circumstances. When the HCMM set up an annual student project prize they asked for more than performance—they asked MOaM lecturers to nominate a short list of students who showed determination and strength of character. From this short list the HCMM awards one student the HCMM MOaM student Project prize. The prize is awarded at the special ceremony on board the HQA Wellington and includes a cheque for £500.

### Winner:

**2013: Kelly Kruger** with dissertation entitled 'Ballast Water Treatment Solutions for LNG Vessels from a Ship Operator's Perspective.'

**2014: Steven Gosling** with dissertation entitled 'Measuring the Effectiveness of Human Behaviour Training in Shipping'



## Annual Programme Dinner on Board HQS Wellington



### Venue:

HQS "Wellington"  
Temple Stairs  
Victoria Embankment  
London WC2R 2PN

### Date:

21st March 2014  
Invitation to this annual event is extended to Alumni (places are limited) For expression of interest for 2015:

email [Maritime@city.ac.uk](mailto:Maritime@city.ac.uk)  
subject header: MOAM Programme Dinner 2015



## Leadership shows in 'efficiency project' and 'Dragon Boat challenge'



Siobhan Fanning (in the front) and her team of mainly ex-seafarers

I'm a part-time student and want to feedback on how my studies are impacting my performance in the workplace and beyond. I work at Shell Trading and Shipping, currently as a Demurrage Negotiator, and previously in trading operations at Shell and Total.

I was recently awarded a Special Recognition Award for my contribution to an ongoing Efficiency Project which is looking at voyage and berth optimisation. My studies on the Masters' combined with experience of working in the industry has delivered value back to the company. It has given me the confidence to think outside the box and challenge the business.

Additionally, I received a flyer from the University about the Dragon Boat Challenge organised by the Sailors' Society. I approached Shell Shipping, got a team together including Sea Captains and Chief Engineers, and secured a sizeable donation for entry fees. I only knew 3 of the 15 people I recruited. Against all odds, we won the Dragon Boat Race, and the tug of war which was the highest fundraiser in August 2013. Needless to say Shell Shipping were delighted with the success and subsequent media coverage. My comment at the time say it all:

Speaking about the team's impressive win, Siobhan Fanning said, "A leader knows that they have been successful when they are more proud of the effort that the team extended than the win itself."

"It was an unbelievably tough battle over six races and although we had a strategy, it was that indefinable magic that happens when

## RIDE your professional development



Oladipo Egbeyemi

The Maritime Operations and Management program is rigorous, interesting, demanding and engaging, and can best be summarized by the acronym **RIDE**. The number of assignments, coursework, essays and taught lectures make it quite important to focus on time management. Time seems to fly past on the programme and all students (full and part-time alike) have all reasoned that time management is important in order to meet up with the deadlines for assignments, create time for self-study, as well as exploring the best of a cosmopolitan city like London. Juggling these acts can be challenging and requires tact. All students have at one time or the other complained about the enormity of work on the programme, and have been short of time in completing an assignment or task.

Time Management, according to the Oxford dictionary is "the ability to use one's time effectively and productively especially at work". The most important part of the definition is the effective use of one's time while on the course. The ability to pace one's self adequately is a solution to the 'shortage' of time. Taking on assignments and coursework immediately they are known is an effective strategy in time management. Leaving assignments till the very last minute poses significant challenge to students and the probability of submitting in a rush which could have its own significant impact on grades and scores.

The programme needs to be taken like a 9-5PM job! That, to me seems to be the only approach that can conveniently tackle the time issue. The ability to do this will ensure whether students enjoy the **RIDE** or otherwise!

Oladipo Egbeyemi, MOaM student 2013-14, Economic Analyst at Nigeria LNG Limited

Send your stories and photos to [Maritime@city.ac.uk](mailto:Maritime@city.ac.uk)  
If you have a story and want to discuss it get in touch



## Great day for student projects



Launching of the MV Lochinvar Hybrid Ferry 23rd May 201



MV Lochinvar circa WWII

website and local news sources compiled by Uma Patel

The *Lochinvar* was designed by one of our former students Andrew Duncan and one present part time student James Anderson. She is the worlds second hybrid ferry and was launched the old fashion way with champagne and smooth entry into the water at the busy Ferguson Shipbuilders in Port Glasgow on the Clyde.

The MV Lochinvar is very innovative in that her power plant is a diesel-battery (lithium-ion)-green shore power .The hybrid design was chosen in order to minimise CO<sub>2</sub> emissions – something the Scottish government is very keen on at present with their large amounts of green energy.

Mr McMillan, SNP MSP for West of Scotland, said: “I would like to congratulate everyone concerned with today’s successful launch and I’m sure the men and women who built MV Lochinvar will be tremendously proud.”

**Update 19 August 2013 Hybrid Ferry, Hallaig, Sea Trials :** HALLAIG sister of the Lochinvar, has recently undergone a successful initial set of sea trials. The trials were to prove the various systems, speeds and equipment on board. The ship even operated for a time on the batteries alone, achieving her design speed, and the sense of a ship moving through the water almost silently was a little disconcerting and spontaneously christened the ‘stealth mode’.

The hybrid Lochinvar is not the first Macbrayne vessel to bear that name. There is an entry in the Clyde build database of a vessel with a long and varied career. For more see: <http://www.clydesite.co.uk/clydebuilt/viewship.asp?id=8563>.

Photograph (top) taken by Professor John Carlton. Story from company

## Captured moment



Graduation Ceremony Wednesday 29th January 2014. Portrait Gallery Guildhall London (story page 7)

Left to right. Captain Simon Culshaw (story page 5);

Mr Jim Clench Lecturer in Maritime Operations

Mr Steven Gosling 2012-13 graduate winner of the 2014 HMCC prize

## Building connections



IMO Headquarters London

### Visits in 2012-13

IMO  
Port of Felixstowe  
Port of Tilbury London  
PLA Centre at Gravesend Kent

MOaM students can see the connections between industry and the design of their course. This vision has been expanded in the past five years in two ways. First through visits organised by staff using their connections and getting MOaM graduates to persuade their employers to help. Second with a selection of guest lecturers some of them from the MOaM advisory group and of course MOaM graduates.

### Guest lectures 2013-14

Running a Shipping Company	Michael Everard
Apostleship of the Sea: Mission of Seamen	Simon Culshaw
Pilotage	Kevin Constable
Piracy Operations	Russ Armstrong
Anti Piracy	Michael Everard

**Open lectures series for more information see back of this newsletter**

## Andrew Duncan Company Director Caledonian Maritime Assets Ltd.

My name is Andrew Duncan. I am the Company Director at Caledonian Maritime Assets Limited., marine asset owning company based at Port Glasgow on the Clyde Estuary in Scotland. They currently own thirty roll on roll off passenger ferries with three more under construction in Scotland and Germany; the vessels are bareboat chartered to operating companies. My main roles within the organisation are to oversee the chartering of these vessels to the operating companies, development of designs for new vessels and overseeing the build contracts for these vessels.



I left school when I was seventeen and joined the Merchant Navy as an Engineer Cadet. I sailed on a variety of ships including General Cargo, Reefer, Container and Specialised Lighthouse Service vessels. During this sea time I qualified as Second and subsequently Chief Engineer and sailed at this rank. I came ashore as an Assistant Superintendent initially responsible for the operation and maintenance of the Lighthouses around the shores of Scotland and the Isle of Man and later moved onto managing the replacement of the vessels used to maintain the lighthouses and navigational buoys.

I have always taken the chance to develop new skills and studied Electrical Engineering at John Moore University Liverpool and Management Studies with the Open University Business School. I had been looking for an opportunity to widen my insight into other areas of the shipping industry and enrolled on the Maritime Operations and Management Masters Course at City University in 2003 graduating in

2006. I enjoyed my times at the University as a part time student, and somehow managed to keep up with my full time job. Besides the direct knowledge gained on the course I now feel more confident and empowered to deal with the myriad of new situations that arise in my post.

I had been a Member of the Institute of Marine Engineering Science and Technology for a number of years but on completion of the MSc have now become a Fellow of the Institute and a Chartered Marine Technologist.

My interest in designs of our vessels has led to the construction of the World's first sea going hybrid Ropax ferries. The next aim is to develop a hydrogen fuel cell propulsion configuration for powering our next generation of vessels. My work has taken me travelling throughout Europe, Canada and America. I also visited Hyundai Heavy Industries shipyards and met with the President of the Republic of Korea to be presented with a Gold Tower award on behalf of my father for his role in developing the Korean Shipbuilding Industry.

Alumni invited profile. Get in touch if you have a story.

### Research and Programmes in Maritime Studies

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### Events

6 Feb 2014, 14:00 -16:00 : Pilotage Kevin Constable  
18 Feb, 14:00 -16:00 : Piracy Operations Russ Armstrong  
21 March, 14:00 -16:00 : Anti Piracy Michael Everard

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To contribute a story or other information:  
email: [u.patel@city.ac.uk](mailto:u.patel@city.ac.uk)