2012 was a tough year for shipping as economies in Europe and the USA continued to suffer from slow growth or outright recession. Some sectors such as crude/product tankers and bulk carriers were hit harder than others. In LPG demand remained relatively strong, and in the container sector slow steaming and low utilisation rates are reported to have supported box rates. Forecasts for 2013 have been similarly mixed with projections for bulk carriers and tankers remaining distinctly gloomy. The cyclical nature of the industry is one of its fundamental characteristics and is unlikely to change. However, the key challenges in such times are to prevent fierce competition from reducing overall safety and environmental standards in the industry, to maintain the proper training of all seafarers, and to protect the welfare of the workforce at sea. Arguably, the most effective way to do this is to establish adequate minimum standards, and thus a level playing field across the industry via a system of effective regulation. In this the International Maritime Organization (IMO) and the International Labour Organization (ILO), alongside regional and national bodies such as the European Maritime Safety Agency (EMSA) and the UK Maritime and Coastguard Agency (MCA), have a continuing and vital role to play.

2012 was a momentous year in respect of international regulation as the International Labour Organization’s 2006 Maritime Labour Convention (MLC) was ratified by sufficient countries to allow it to enter into force in August 2013. This Convention will replace 37 existing ILO Maritime Conventions as it establishes minimum requirements for a variety of elements of working life at sea including recreational facilities, food and catering, and welfare protection. The Convention will be subject to effective enforcement via the mechanisms associated with Port State Control. As such it is very much to be welcomed. Notwithstanding this development in consolidating a range of ILO Conventions and achieving
ratification by 34 countries (as of 20 January 2013), the Convention marks the ‘beginning’ in relation to the work which needs to be done to guarantee that the wellbeing of seafarers is properly protected. The real challenge for the sector is to raise the minimum standards laid out in the MLC to make the industry an attractive one to work in, and to bring the working and living conditions aboard ships owned by OECD nations into line with the working and living conditions established in the shoreside operations of multinational corporations based in G8 economies.¹

In 2012, SIRC completed a number of research reports which dealt specifically with some of the issues which are most vulnerable at times of uncertainty in freight markets. Some of this work was funded by The Lloyd's Register Educational Trust (The LRET)² and dealt with training relating to new technology and to vessel accommodation design and welfare provision. Studies funded elsewhere included research supported by the UK Economic and Social Research Council (ESRC) which considered the effectiveness of regulation relating to ship emissions. In addition a number of SIRC Nippon Foundation-sponsored PhD projects covering a range of topics progressed at the Centre and we were contracted by Allianz Global Corporate and Specialty (AGCS) to carry out a special study relating to safety in the shipping industry which marked the anniversary of the tragic sinking of RMS Titanic.

Thus with the support of our funders, in 2012, the Centre continued to be a vibrant source of relevant research of use to policy makers, ship operators, charities, welfare groups, students and academics. We look forward to another busy year in 2013.

¹ France, Germany, Italy, Japan, UK, USA, Canada, Russia.

² On 1 March 2013 The Lloyd's Register Educational Trust was assimilated into the Lloyd's Register Foundation. For further information please visit their website www.lrfoundation.org.uk.
In 2011, a team of Japanese experts, established to consider the human element in shipping, approached us and requested an opportunity to visit SIRC to discuss our research programme and to exchange ideas. The visit took place in February 2012, when two of the expert committee’s leading members, Yoshio Murayama, of Tokyo Mercantile Marine University, and Professor Masao Furusho of Osaka University, were welcomed to SIRC.

On 23 March, Yaakov Garb, a Senior Lecturer at the Social Studies Unit of the Blaustein Institutes for Desert Environmental Research, Ben Gurion University of the Negev, University of Israel, visited SIRC. Following on from the visit he established a good working relationship with Professor Bloor which it is hoped will lead to future collaborative publications.

In mid April, SIRC’s telephone line was busier than usual. The international media had become aware that SIRC’s research underpinned a publication to commemorate the 100th anniversary of the sinking of the ocean liner RMS Titanic - ‘Safety and Shipping 1912-2012: From Titanic to Costa Concordia, an insurer’s perspective from Allianz Global Corporate & Specialty’. The news and interviews were disseminated worldwide including via BBC Belfast, in the city where RMS Titanic was built, and via Canadian and Swiss public radio.

Later in April, Professor Sampson travelled to India at the invitation of the organisers of the 5th Manning & Training in India Conference where she presented a paper relating to seafarer training and new onboard technology under the theme of ‘Meeting the New Challenges in Maritime Education and Training’. 
In May, Dr Nelson Turgo, a Research Assistant at SIRC and formerly a SIRC-Nippon Foundation PhD Fellow, travelled to Greece to present a paper at the 6th Annual International Conference on Sociology. He talked about his experience in a Philippine fishing community where people used ‘sari-sari’ stores (home-based trade stores) as places for gossip which had implications on how social norms in the community were practised.

While Nelson spent part of May in Greece, Professor Sampson was closer to home in the ‘Emerald Isle’ (Republic of Ireland) where she took part, as a panel member, in the Programmatic Review of the National Maritime College of Ireland (NMCI), Cork Institute of Technology.

Later in May, Professor Sampson presented an interim report from a study of ship emissions at the Sustainability and Shipping Seminar organised by the Centre for Business Relationships Accountability, Sustainability and Society (BRASS) at the Norwegian Church, Cardiff Bay. The underpinning research was funded by the ESRC and was undertaken at SIRC by Professors Bloor and Sampson in partnership with Professor Baker (Cardiff University, School of Social Sciences) and with the assistance of Dr Dahlgren (Sweden). Speakers at the seminar included: Dr Paul Nieuwenhuis, Dr Kyriaki Mitroussi, and Gavin Allwright of the Greenheart Project (www.greenheartproject.org).

In June, while the country was celebrating the Queen’s Diamond Jubilee we at SIRC were also celebrating the fact that The TK Foundation (The TKF) had agreed to award SIRC funding towards two new studies commenced in 2012 under the auspices of The Lloyd’s Register Educational Trust Research Unit. The future of these projects had depended on support from at least one other external funder and so we were particularly pleased at the decision made by The TKF. Later in June we met with Ms Eileen Kinghan at SIRC to discuss the future of the programme. Ms Kinghan is Assistant to the Director at The Lloyd’s Register Educational Trust.
We were also very pleased to learn that (as happened last year) one of the PhD students at SIRC won a place to participate in the prestigious Brown International Advanced Research Institutes (BIARI), Rhode Island, USA. Amewu Attah was one of around 300 applicants for only 40 places at the ‘Population and Development Institute’ which examined New Approaches to Enduring Global Problems. The BIARI programmes, with four institutes, are held every summer to bring together promising young researchers and practitioners to address pressing global issues.

Towards the end of the month one of the more recent additions to the staff, Ms Iris Acejo, travelled down the coast to Swansea where she presented a paper at the ‘Understanding the migrant experience’ conference. She followed this in early July with a paper delivered further afield in Philadelphia at the 16th World Congress: ‘Beyond Borders’ - Governance of Work in a Global Economy.

In July, we were very pleased to welcome to SIRC Mr Hugo Kidston, Global Head of Communications, Allianz Global Corporate & Specialty and on a separate visit, the newly appointed Staff Officer Operations (Research and Information) for the Royal National Lifeboat Institution (RNLI), Ms Cath Reynolds, and her colleagues Mr Dan Ryan, Coastal Risk Manager and Ms Madeleine Spark, Research Assistant.

The 5th residential SIRC-NF Alumni event was held at The Manor Hotel, Crickhowell. Lectures and workshops were delivered by Professor Helen Sampson, Professor David Walters and Dr Sin Yi Cheung from Cardiff University and we were very fortunate that Emeritus Professor Lionel Cliffe of Leeds University was available to address the audience on the serious issues contextualising piracy. However, it was not all work and no play as the participants enjoyed a talk on local natural history provided by Mr Keith Noble, Chairman, Brecknock Wildlife Trust, a tour of the Penderyn Distillery and a barge trip on the Monmouthshire and Brecon Canal.

The week after the Alumni event, Dr Lin Li (a SIRC-NF Fellow) attended his graduation ceremony at St David’s Hall, Cardiff, and at SIRC we celebrated with him. More sadly, in the same week, Mr Han Qing came to the end of his period as a Visiting Scholar to SIRC from the Maritime History & Culture Research Centre, Navigation College, Dalian Maritime University.
In mid August, Professor Sampson attended a workshop which was designed to progress a research proposal connected to Risk and the Offshore Maritime Environment. The project was initiated by Stavanger Høgskolen Stord/Haugesund, Stord/Haugesund University College, Norway and it was here that the workshop was convened. Professor Sampson met with Jan Jonassen, Project Leader/Associate Professor, Petromaritime Research Team, Stord/Haugesund University College, and his colleagues and was very pleased to have the opportunity to contribute to the research development.

At the end of August Dr Lijun Tang travelled to the beautiful city of Hamburg to present a paper on new technology at sea to the International Symposium Information on Ships (ISIS) 2012. The paper was co-authored with Professor Sampson and it reported on research undertaken by staff at The Lloyd’s Register Educational Trust Research Unit. A publication reporting on the overall research findings from this study was made available in late 2011 via the SIRC website and this can be downloaded free of charge (www.sirc.cf.ac.uk).

The tables were turned in September when instead of travelling to meet others we were delighted to welcome Dr Carl Hult, a Senior Researcher at Kalmar Maritime Academy (KMA), Linnaeus University, Sweden, to SIRC. Dr Hult has a PhD in sociology and in 2009 turned his focus towards maritime issues. He convened a seminar for staff and students at the Centre providing us with an opportunity to discuss his work and ideas.

In October, as is now customary, a specially organised buffet was arranged at the beginning of the academic year to welcome the new cohort of SIRC-Nippon Foundation Fellows, and a new Visiting Scholar, Qi Wang, this time from the Department of Marine Engineering, Nantong Shipping College, Jiangsu, China. Later in the month Professor Michael Bloor increased his public exposure by appearing on Channel 4’s Dispatches programme which focussed upon the serious concerns about poor labour standards in the cruise industry, while other researchers (Acejo, Ellis, Tang, Turgo) attended the 2nd Annual Shipping & Offshore CSR Forum in London.
In mid November Professor Sampson undertook her last visit as external examiner to the World Maritime University in Malmö, Sweden, while Dr Turgo and Ms Acejo were in the Philippines attending the 13th Asia-Pacific Manning & Training Conference, and were also fortunate to be invited to attend a Safety, Security, Health, Environment and Quality (SSHEQ) Management Seminar. At around the same time, staff and students at SIRC welcomed Ms Sevasti Papavasileiou, a PhD student at the University of Athens, who gave a presentation of her research titled ‘Greek seafarers after World War II to nowadays’.

In late November, as the days became shorter, Professor Sampson recorded a presentation to be transmitted at the Seafarers & South Pacific Conference in Fiji. The conference promised to be an extremely interesting three days as it was the first time all of the regional players had gathered to discuss a possible road map to develop sustainable shipping in the South Pacific.

### Teaching

Professor Helen Sampson continued to contribute to the Masters degree in social science research methods.

### Project Progress

**The work of The LRET Research Unit at SIRC**

In 2012 four projects were ongoing as part of the work funded by The Lloyd’s Register Educational Trust Research Unit (The LRETRU) at SIRC:

- A study of Perceptions of Risk
- A study of Accommodation Design
- A study of Seafarers and Mandatory Equipment
- A study of Relationships Between Shore-side and Shipboard Personnel

The study of Perceptions of Risk is the most established piece of work at the Unit and four major research reports have been published, on-line, reporting research findings in a format intended to be accessible to members of the shipping industry and to international scholars with an interest in this area. An Executive Summary of all four reports is due to be published on-line in 2013.
The study of Accommodation Design involved the analysis of over 1,500 questionnaires returned by active seafarers detailing their experience aboard their current, or most recent, vessel. This study has now been completed and a report describing the findings has been published on-line via SIRC’s website.

The two new studies that commenced in 2012: ‘Seafarers and Mandatory Equipment’ (the training for, and attitudes to, mandatory appliances onboard ships); and ‘Relationships Between Shore-side and Shipboard Personnel’ (the implications for safety of the relationships between visiting ‘experts’ and sea-staff onboard ships), are both progressing well. The literature review and research design for both projects have been completed and the ethics committee applications have been successful. We are currently attempting to negotiate access with ship operators to undertake some onboard observational work and we hope that several voyages will take place in the next twelve months.

Other projects at SIRC

In 2011, Allianz Global Corporate & Specialty (ACGS) commissioned a report from SIRC sketching advances in maritime safety over the period 1912-2012. The report was commissioned to commemorate the 100th anniversary of the sinking of the ocean liner RMS Titanic. The report, ‘Safety and Shipping 1912-2012’ provided the foundation for a document ‘Safety and Shipping 1912-2012: From Titanic to Costa Concordia, an insurer’s perspective from Allianz Global Corporate and Specialty’ which was subsequently published and distributed in 2012 by AGCS.

SIRC’s 2011 report commissioned by the Professional Yachtsmen’s Association, on Living and Working Conditions aboard Yachts was initially sold by the PYA. In 2012 with the permission of the PYA, this was posted on SIRC’s redesigned website and is now available free to download.
The ESRC-funded research on the ‘Regulation of Ship Emissions’ was completed in December 2012. An interim report has been posted on the SIRC website ‘Effectiveness of international regulation of pollution controls: the case of the governance of ship emissions (Interim Report)’. Two separate reports are in preparation: one on the current sulphur emission regulations and another on projected future carbon emission regulation. In addition, academic papers are being prepared for submission to journals. One academic paper which also draws upon the Institute of Occupational Safety and Health (IOSH) data (see later) has already been accepted for publication in the journal Social and Legal Studies and will be published in 2013. A presentation about this work is planned for the SIRC Symposium in 2013.

The SIRC-funded study of Seafarer Self-Medication led by Professor Sampson is almost complete. The data are being analysed in preparation for the publication of an on-line SIRC report, now due in 2013.

SIRC’s collaborative work with Cardiff Work Environment Research Centre (CWERC), on the opportunities for health and safety to be managed through supply chains, which was funded by IOSH, is now complete. The report has been published by IOSH in print and on-line. An article, combining data with the ESRC-funded project, has been accepted for publication in the journal Social and Legal Studies and will be published in 2013.

In association with Stord/Haugesund University College (SHUC), Professor Sampson has been involved in the development of a funding application to the Norwegian Research Council for a major study of ‘Risk in Offshore and Maritime Operations’ and before Christmas we were informed that the application had been successful. SIRC will play a small but significant role in the study.

We are grateful to The Nippon Foundation for their continuing funding of the SIRC-Nippon Foundation Post-graduate Fellowship Scheme. To date 34 students have enrolled resulting in: 2 MPhils; 10 PhDs; 21 registered students.

A detailed analysis of 319 accident reports published by four countries (UK, Australia, USA, New Zealand) has been undertaken and will provide the basis for a short SIRC report in 2013.
In 2012 Lin Li was awarded a PhD qualification at the July graduation ceremony for Cardiff University. Lin’s thesis is titled ‘Values and Beliefs: Chinese Seafarers in an Age of Transition’ (supervisors Dr Nicholas Bailey and Prof Ralph Fevre). Dr Li returned to China and is now working for COSCO Dalian Manning Company.

Conghua Xue had a successful viva and was awarded a PhD for his thesis ‘Shaping Safety Culture at Sea: The Role of Communication’ (supervisors Prof David Walters and Dr Ian Welsh). Dr Xue also returned to China and is working for Nantong Shipping College.

Our congratulations go to Lin, Conghua and their supervisors whose hard work culminated in these awards. The achievement of the SIRC-Nippon Foundation Fellows, many of whom have no prior exposure to social science research, is difficult to overstate. This is particularly the case when they are studying for a sustained period far from home and when they face periodic difficulties such as health problems.

At the end of 2012, one other student, Priscilla Leong, submitted her thesis for examination and the viva will now take place in 2013. Priscilla’s thesis is titled ‘Understanding Seafarer Shortage in the Context of a Global Labour Market’, and we wish her every success in her viva.

Work is currently progressing on the following PhD studies (all of which are financially supported by The Nippon Foundation):

- Sanley Abila - Case Study of Sponsored Cadetship Programmes in the Philippines
- Mohab Abou-Elkawam* - Seafarers and Growing Environmental Concerns: Compliance Levels and the Possibilities of Governance
- Iris Acejo* - Transnational Communities and the Assimilation of Filipino Seafarers
- Ngwatung Akamangwa* - Global Environmental Standards and Workers in the Shipping Industry
- Amewu Attah - The Impact of Oil Exploitation on a Ghanaian Fishing Community
- Ralph Buiser - Impact of Union Membership on the Welfare of Filipino Seafarers
• Jabeth Dacanay* - Regulatory Approaches to Occupational Health and Safety of Seafarers Serving Foreign Flags

• Manasi Dutt - The Impact of Organisational Hierarchy on the Expectations and Experiences of Dignity at Work for Indian Seafarers

• Samuel Edmund - Ghanaian Seafarers in the Context of the Global Labour Market for Seafarers: Exploring the Local Impacts of Globalisation

• Mohamed Ghanem - Accidents at Sea: The Social Construction of Marine Accident Investigation Reports

• Aditi Kataria - An Ethnographic Exploration of Ship-Shore Communication

  • Mark Llangco - The Cosmopolitan Transnationalism of Cruise Ship Workers
  • Eliseo Lucero-Prisno III* - Navigating the Seas, Negotiating the Sex: An Ethnographic Study on the Sexual Risk-taking Behaviour of Seafarers in the Context of HIV/AIDS
  • Shahriar Mazhari - Certification and Competence in the Global Shipping Labour Market: Employers’ Perception of Fitness for Purpose.
  • Jean Pia - The Precarious Nature of the Labour Supply Arrangement in the Seafaring Industry with Focus on the Legal Framework
  • Desai Shan - Seafarers’ Casualty Compensation System and Suggestions for Reform in the Chinese Context

• Sarah Simons - An Analysis of Maritime Piracy in Eastern Africa Between 2000 and 2010 and its impact on Seafarers’ Welfare

The broad interests of the new cohort of SIRC-Nippon Foundation Fellows who joined us in 2012 are as follows:

• Polina Baum - Attrition among Israeli cadets

• Helen Douglass - Does the likelihood of experiencing a work related accident increase as the length of the time a seafarer has been onboard a ship increases?

• Amaha Senu - Maritime stowaways: a common challenge that requires cooperation and the sharing of responsibility by all stakeholders

*It is anticipated that these theses will be submitted/or awarded a PhD in 2013.
SIRC-Nippon Foundation Fellows and Alumni who have found employment:

Capt Mohab **Abou-Elkawam**, Lecturer, Maritime Studies, Lowestoft College
Ms Iris **Acejo**, Part-time Research Assistant, SIRC, Cardiff University
Dr Nippin **Anand**, Senior Surveyor/Consultant, Offshore Verification and Classification, Det Norske Veritas, Aberdeen, Scotland
Dr Syamantak **Bhattacharya**, Senior Lecturer, International Shipping & Logistics, University of Plymouth Business School
Ms Jabeth **Dacanay**, Legal Officer, Maritime Legal Affairs Office, Maritime Industry Authority (MARINA), Philippines
Dr Roderick **Galam**, Independent Researcher working with an American-university based Professor
Dr Victor **Gekara**, Lecturer of International Logistics and International Trade Operations, School of Business Information Technology and Logistics, RMIT University, Melbourne, Australia
Dr Momoko **Kitada** (nee Motohashi), Research Associate, World Maritime University (WMU), Sweden
Dr Lin **Li**, Translator, COSCO Dalian Manning Company, China
Dr Lijun **Tang**, Research Associate, SIRC, Cardiff University
Dr Nelson **Turgo**, Research Assistant, SIRC, Cardiff University
Dr Conghua **Xue**, Lecturer, Nantong Shipping College, China
Dr Zhiwei **Zhao**, Lecturer, Dalian Maritime University, China

In July, we said farewell to Han Qing who had arrived at SIRC in September 2011 as a Visiting Scholar from the Maritime History & Culture Research Centre, Navigation College, Dalian Maritime University. During his stay at SIRC, Han Qing worked on obtaining information about foreign shipping companies to contribute to his planned publication ‘Chinese sailing history in modern times’. Additionally he presented papers at conferences and finalised some publications.

In September, in addition to welcoming the latest cohort of SIRC-Nippon Foundation Fellows: Polina Baum from Israel; Helen Douglass from the UK and Amaha Senu from Ethiopia, we also welcomed Visiting Scholar Qi Wang, from the Department of Marine Engineering, Nantong Shipping College, Jiangsu, China. Qi is interested in comparing the advanced education and training of seafarers in the UK with that of China and during his time in the UK is hoping to visit several maritime training colleges.
Academic Staff at 31 December 2012

Prof Helen Sampson  Director SIRC and The LRETRU
Prof David Walters  Associate Director
Prof Michael Bloor  Professorial Fellow
Mr Neil Ellis  Research Associate
Dr Lijun Tang  Research Associate
Ms Iris Acejo  Research Assistant
Dr Nelson Turgo  Research Assistant

Administrative Staff

Ms Louise Deeley  Executive Officer
Ms Maria Goldoni  Administrator
Ms Sarah Venables  Clerical Officer

Associate Researchers

Prof Maragtas Amante  Dr Michelle Thomas
Dr Marlene Calderón  Dr Nik Winchester
Dr Victor Gekara  Dr Bernardo Obando-Rojas
Dr Bin Wu

Future Plans

In 2013 we plan to progress with the two new projects initially funded by The LRET. We are grateful to both The LRET and The TK Foundation who have agreed to fund this research from 2013 to 2016, thus enabling us to continue researching and disseminating our findings to members of the shipping industry and to international scholars.

In the summer SIRC will host its eighth Symposium. This two-day event will take place on 3rd and 4th July at Cardiff University and we look forward to welcoming an international audience to participate in the event.

We are looking forward to publishing several new reports on-line relating to our ESRC-funded research and to research funded by The LRET. In addition we anticipate the completion of several PhD theses and the publication of new articles for both academic and industry audiences. Finally, Professor Sampson looks forward to collaborating with colleagues in Norway on a major study of Risk in Offshore and Maritime Operations.
Books/Academic Journal Articles (RAE 2008 Categories A & D)


Short Works/Reports (RAE 2008 Category T)


Professional/Popular Journal Papers (RAE 2008 Category D)


Contributions to Edited Works (RAE 2008 Category C)


Non-refereed (Published) Conference Contributions (RAE 2008 Category E)


Unpublished Papers Presented: Conferences, Seminars, Workshops


Turgo, N. (2012) ‘“Here, you can see everyone and say anything”: gossiping and panopticism in a Philippine fishing community’, 6th Annual International Conference on Sociology, Athens Institute for Education and Research, Athens, 7-10 May.
Other Conferences Attended (papers not delivered)


PhD Thesis (completed)


Forthcoming Publications


Turgo, N. ‘Here, we don’t just trade goods, we also ‘sell’ people’s lives”: ‘sari-sari’ stores as nodes of partial surveillance in a Philippine fishing community’, Singapore Journal of Tropical Geography.

Turgo, N. ‘“Amoy isda”: the modern life of market fishmongers’, Fishing for a living, Maria Mangahas, ed Quezon City: UP Press.

Abbreviations and Acronyms

AGCS: Allianz Global Corporate and Specialty
AIDS: Acquired Immune Deficiency Syndrome
AMET: Association of Maritime Education & Training
BIARI: Brown International Advanced Research Institutes
BRASS: Business Relationships Accountability, Sustainability and Society
CWERC: Cardiff Work Environment Research Centre
CSR: Corporate Social Responsibility
DNV: Det Norske Veritas
Eds: Editors
EMSA: European Maritime Safety Agency
ESRC: Economic & Social Research Council
HIV: Human Immunodeficiency Virus
IOSH: Institution of Occupational Safety and Health
ILO: International Labour Organization
IMO: International Maritime Organization
LPG: Liquefied Petroleum Gas
LRF: Lloyd’s Register Foundation
KMA: Kalmar Maritime Academy
MARINA: Maritime Industry Authority
MCA: Maritime and Coastguard Agency
MLC: Maritime Labour Convention
NMCI: National Maritime College of Ireland
MPhil: Master of Philosophy
OECD: Organisation for Economic Co-operation and Development
PhD: Doctor of Philosophy
PYA: Professional Yachtsmen’s Association
RAE: Research Assessment Exercise
RNLI: Royal National Lifeboat Institution
SHUC: Stord/Haugesund University College
SIRC: Seafarers International Research Centre
SIRC-NF: Seafarers International Research Centre – Nippon Foundation
SSHEQ: Safety, Security, Health, Environment and Quality
The TKF: The TK Foundation
The LRET: The Lloyd’s Register Educational Trust
The LRETRU: The Lloyd’s Register Educational Trust Research Unit
WMU: World Maritime University
Programme

Wednesday 3 July (Chair: Professor Michael Bloor)
1330  Registration and sandwich lunch
1400  Symposium photograph
1415  Welcome and handover to Chair - Prof Helen Sampson, Director SIRC
1420  Introductory address - Mr Mark Dickinson, Nautilus International
1435  Programme overview - Prof Helen Sampson
1445  Behind the headlines? An analysis of accident investigation reports
       (Dr Lijun Tang)
1505  Burning questions
1515  Refreshments
1545  'Walking the talk': How companies succeed in managing risk at sea
       (Prof Helen Sampson)
1605  Burning questions
1615  Understanding the relationships between ship and shore personnel -
       a new study (Ms Iris Acejo)
1635  Discussion
1705  Close

1900  Symposium Reception and Dinner, Hilton Cardiff Hotel, Kingsway

Thursday 4 July (Chair: Professor John King)
0955  Welcome from the Chair
1000  Programme overview - Prof Helen Sampson
1010  The use of mandatory equipment on board - a new study
       (Dr Nelson Turgo)
1030  Questions and discussion
1040  The governance of ships’ sulphur emissions: Issues of enforcement and equal
       treatment (Prof Michael Bloor)
1100  Questions and discussion
1110  Refreshments
1140  Supply chain leverage and health and safety management in shipping - the case of
       the container trade (Prof David Walters)
1200  Questions and discussion
1210  Accommodation and welfare on contemporary cargo ships (Mr Neil Ellis)
1230  Open Forum - Reflections on the papers presented at the 2013 SIRC Symposium
1255  Lunch
1400  Close

The 2013 SIRC Symposium is supported by the Lloyd’s Register Foundation.

Lloyd’s Register Foundation supports the advancement of engineering-related education, and funds research and development
that enhances safety of life at sea, on land and in the air.