



University of
Strathclyde
Glasgow

Department of Naval Architecture and Marine Engineering

Atilla Incecik



Research Expertise

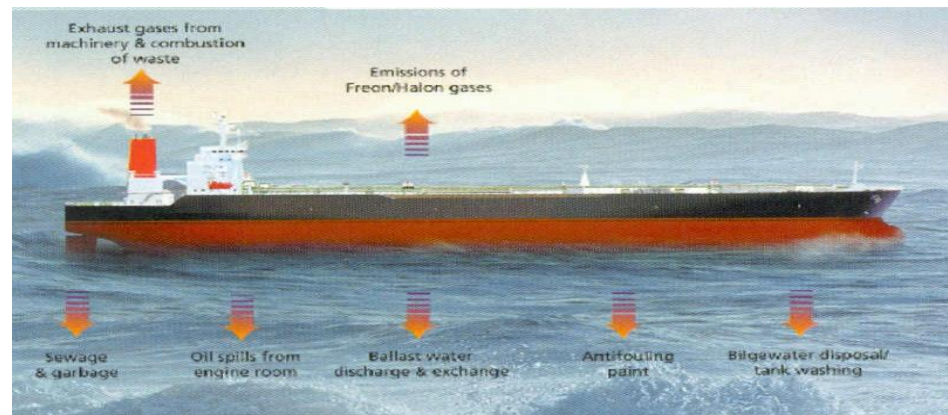
- Hydrodynamics (numerical modelling and physical testing)
- Strength and fatigue analysis
- Safety, risk and reliability analysis
- Stability of intact and damaged ships
- Design optimisation
- Human factors in design
- Underwater noise control
- Design and analysis of marine renewable energy systems





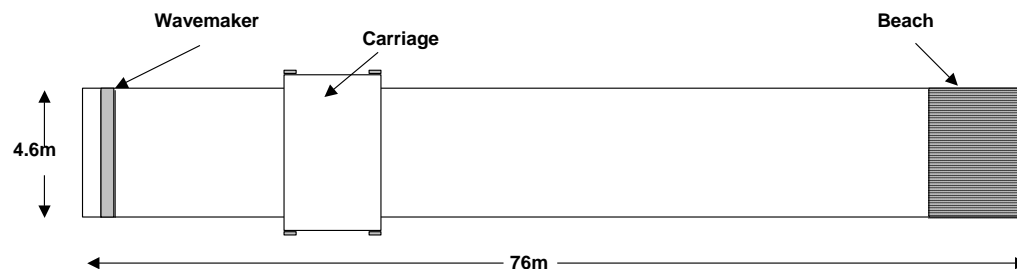
Research Expertise

- Development of reliability and criticality based maintenance techniques
- Improved power systems and machinery
- Air and water born emissions control
- Ballast water treatment methods
- Green fuels





Kelvin Hydrodynamics Laboratory



Tank Dimensions:

Maximal Wave Height:

Maximal Carriage Speed:

76m L x 4.6m W x 2.5m D

0.7m (single frequency)

4.5m/s



Academic Staff and Research Staff and Students

Academic Staff : 16

Research Staff : 21

PhD Students : 35

Current FP7 Projects in the Department of Naval Architecture and Marine Engineering

- RISPECT
- PROMARC
- DIVEST
- FIREPROFF
- SHOAL
- FLOODSTAND
- GOALDS
- SAFEPORT
- BESST
- SUZY
- CONNECT
- TARGETS
- AUX-NAVAL
- ECO-REFITEC
- EURO-VIPS



Strathclyde Marine Institute



- To foster and promote multi-disciplinary research and innovation in marine-related activities across the University.
- To provide a platform for cooperation and sharing available resources in order to maximise the opportunities in the marine sector in terms of education, research, innovation, and knowledge exchange.
- To assist the development of a thriving maritime economy within an eco-system based approach.



**STRATHCLYDE
MARINE
INSTITUTE**





Departments and SMI Themes

Themes	CE	CIS	DMEM/ SIOM	Econ	EEE	History	Law	Maths& Stats	ME	NAME	Physics Sensors	SIPBS
Energy			X	X	X		X		X	X	X	
Transport		X	X		X	X			X	X	X	X
Environment	X	X	X	X	X		X	X	X	X	X	X
Food, Aquaculture and Fisheries	X		X			X		X		X		
Socio- Economic Sciences and Humanities	X		X	X		X	X		X			
Tourism and coastal zone development	X		X	X		X	X		X			
Marine (blue) biotechnology				X	X							

CE = Civil Engineering

CIS = Computer and Information Sciences

DMEM = Design, Manufacture and Engineering Management

SIOM = Strathclyde Institute of Operations Management

Econ = Economics

ME = Mechanical Engineering

NAME = Naval Architecture and Marine Engineering

SIPBS = Strathclyde Institute of Pharmacy and
Biomedical Sciences

**STRATHCLYDE
MARINE
INSTITUTE**

