

# NEWSLETTER



## Former Head of ICEPRONAV Passed Away

It is with great sadness that we learned of the passing of **Professor Dr Liviu Crudu**. He died unexpectedly in hospital on October 9th, 2022, at the age of 68.

Following his graduation in Naval Architecture from the Dunărea de Jos University in Galati, Romania in 1979, Liviu worked for the Romanian River Navigation Company "NAVROM" before in 1982 joining S.C. ICEPRONAV S.A., starting as a young engineer in the hydrodynamics laboratory. For the next 24 years, he held various positions at ICEPRONAV, including as Department Manager, Scientific Director, General Manager, and ultimately as General Director, steering the company through many challenges.

During privatisation of ICEPRONAV in 2003/04, Liviu was instrumental in welcoming the ICE Group as an investor, acquiring modern technology and expanding the customer base. He later assisted ICE not only as the Sole Administrator of ICEPRONAV but also as Business Development Director for the Group before he in 2006 joined his alma mater, becoming Professor at the Faculty of Naval Architecture. He also co-founded a private company.

During his distinguished career, Liviu was not only responsible for design of hundreds of ships, but he also gave valuable service to the marine industry by serving on several international committees, participating in, organising and chairing industry conferences and



editing scientific publications. He authored or co-authored over 80 scientific papers.

We join with his many friends and former colleagues in offering our deepest and most sincere condolences to his family.

## Educational Quality Commission Visiting ICE

In addition to extensive experience from working on design of a variety of ships for different customers – and in many cases also having had hands-on shipyard experience – almost all ICE employees have a solid academic background with degrees in naval architecture or other engineering disciplines. Many were awarded their degrees from the Dunărea de Jos ("the Lower Danube") University in Galati. This 12,000-student university includes a naval architecture faculty with nearly 500 students and also undertakes research and teaching in several other engineering disciplines and in other academic fields. ICE maintains a close relationship with the University, including through student internships and sponsorships.

It was therefore natural that Sorin Brazdis, Managing Director of ICEPRONAV Engineering SRL in October was invited with other prominent



*The picture shows the ARACIS delegation together with Naval Architecture Faculty representatives and ICE management team in front of ICE's primary office building.*

employers in the field of shipbuilding, ship design and related activities to meet a commission from the Romanian Agency for Quality Assurance in Higher Education ("ARACIS") that made an evaluation visit to the Faculty of Naval Architecture of the University. This was a periodic assessment of two higher education programs, namely (i) Naval Architecture and (ii) Naval Systems and Equipment. The meeting was followed by a visit to ICE design offices where ARACIS representatives were briefed on ICE's resources and capabilities.

*Established in 2005, the main mission of ARACIS is to independently monitor and evaluate the quality of higher education in Romania. In addition to program accreditation, ARACIS periodically formulates and reviews national reference standards and performance indicators to ensure that Romania maintains its internationally recognized excellence of higher education, including in the field of naval architecture.*

## ICE Engineer Successfully Defended his PhD Thesis

We are happy to note that our colleague Vasile Rata has successfully defended his PhD Thesis "Research on Reducing Pollution on Maritime Routes and Coastal Areas in the Black Sea" at the Dunărea de Jos University in Galati.

Vasile – pictured in a red gown at a recent traditional academic ceremony to celebrate his achievement – joined ICE in 2016 as an engineer in the Machinery & Piping Department, shortly after finishing his master's degree. He managed to perform most of his PhD studies in addition to his day-to-day

ship design work. He was able to make effective use of data from ICE's extensive technical library for his research.

*Says Vasile: "It wasn't easy and there were moments when I wanted to quit. However, thanks to support from management and colleagues, I found the strength to complete the research and thereafter successfully defend my thesis."*

Vasile is presently on paternal leave. We congratulate him on his performance and look forward to welcoming yet another ICE PhD employee back at work.



## Dutch Client Visiting ICE



Among its recent visitors, ICE was pleased to welcome Bart van Rijssen, Managing Director of Nevesbu, who visited ICE's main design office in Romania to discuss experience from a recent project, tour the design office, and get updated on ICE's resources and capabilities available for upcoming work.

Founded in 1935, Nevesbu is an independent naval architect and platform systems integrator, based in the Netherlands. The company provides advanced design, engineering and support services to the submarine, naval vessel, floating offshore energy and special ship industries worldwide.

### FROM OUR PROJECT PORTFOLIO: FSRU TOSCANA

Conversion of LNG Carrier "Golar Frost", permanently moored with single point mooring (SPM) external turret, offshore Livorno, Italy

#### Scope of Work:

Turret Interface Structure  
Topside Module Support  
ULS and FLS Analysis

**Year:** 2008 -2010

**Client / Shipyard:** Moss Maritime / Drydocks World Dubai



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With a 55-year track record and an annual output having exceeded 700,000 professional engineering man-hours, the International Contract Engineering (ICE) Group is one of Europe's largest independent ship design consultancies. We provide high-calibre multi-discipline design services to yards and owners in the commercial shipping, defence and offshore energy industries, ranging from conceptual studies and Class drawings to detail design and production information. We cover a full range of naval architecture and marine engineering disciplines such as hydrodynamics, structural, mechanical, piping, electrical, instrumentation, outfit and HVAC. Our experience includes gas carriers, passenger vessels, navy and coast guard ships, chemical tankers, drill ships, FSO/FPSOs and a range of other vessels. We also have available proprietary designs that can be adapted to clients' requirements.

With our head office in the Isle of Man and engineering facilities in Romania and Croatia, we provide high quality design and engineering at very competitive prices.