


Fatigue Design of Ship and Offshore Structures

Turk Loydu Teknopark R&D is pleased to offer a course on Fatigue Design of Ship and Offshore Structures. Design against fatigue is of increasing importance as structures are being designed more cost-efficiently and for longer service. The course is equipped to maintain awareness of assessment processes and the applicable codes that can be used. This will also be a good opportunity for discussion of design and fabrication issues within the industry.

What is this and who should attend?
This course provides an introduction and fundamentals to the fatigue design aspects of ship and offshore structures.
It is targeted at designers and inspectors of ship and offshore structures where reliable assessments of the structures are important.

What is the focus?
The course is to be focused on the following items.

- Introduction to fatigue strength
- Fatigue loads
- Definition of S-N data and stresses to be used in fatigue analysis
- Hot spot stress methodology
- Fabrication and improvement of structural details
- Mini quiz

What are the objectives?

To address the fundamentals of the fatigue assessment. Describe the methodology, by use of worked examples, such that after these course participants can be confident in understanding and performing the analyses of steel structures based on this seminar.

What is the format and agenda?

The course is formed to allow time for queries and answers on the fatigue assessment and captured real examples in the industry.

Date/Venue:
Monday 22 August 2016
TURK LOYDU
Tersaneler Caddesi No:26 Tuzla- İstanbul

Lecturer:

Dr. Özgür Özgüç

Dr. Özgüç studied naval architecture and marine engineering at the Technical University of Istanbul. He received his Ph.D. degree on the hull girder ultimate strength and fracture toughness of damaged marine structures from University of Glasgow in UK.

He has 15 years of international experience in design, building and repair of ocean going vessels and offshore structures. He has been at Bureau Veritas, Det Norske Veritas Norway and Singapore, INPEX E&P and TOTAL E&P South Korea working with numerous offshore projects which involved advanced structural analysis of these structures and yard inspections.

He also delivered seminars and workshops to yards, designers and owners in South East Asia region to dedicate with a selection of good engineering solutions.

He has been a responsible team leader, project manager and senior structural engineer with several FPSOs including the world first F(D)PSO, semi-submersibles, drill-ships, jackets, LNG, and wind turbine installation jack-up vessels, where fabricated in Norway, Singapore, China, Malaysia, Indonesia, UAE , Vietnam and South Korea.

During the past 15 years he has published more than 20 papers in international journals and conference proceedings.

Dr. Özgüç is the manager for research and development department in Turk Loydu.