

Professor Krzysztofowicz Seminars

Wednesday 11 May h 9:00 Aula Grasso

Materials

Definition of material. Materials through ages and its meaning to mankind. Different materials groups. Short characteristic of various materials groups and its application in modern industry – some advantages and disadvantages. Natural and engineering materials – engineering approach to material selection and application.

Thursday 12 May h 12:00 Aula Grasso

Weldable high strength steels

Short definition of the weldability of steel in the context of joining parts made of metallic materials together and influence of different factors on quality of such joints. Typical composition and grades of weldable steels. Various applications of weldable steels especially in the automotive and off-shore industry. Development of steels and microalloyed steels (composition and manufacturing technology).



Krzysztof Krzysztofowicz Ph.D, Mech.Eng.

Born in 1964 in Gdansk. Graduated in 1989 with from the Faculty of Mechanical Engineering at Gdańsk University of Technology, specialising in water turbines and pumps. In 1990 he start to work in Shiprepair Yard in Gdańsk getting knowledge about combustion engine maintenance and repair.

Since the beginning of his academic career ha has been associated with Gdańsk University of Technology, previously the Process Engineering Faculty than Mechanical Engineering Faculty: research assistant (1991-1997), Assistant Professor (1997-2009), Senior Lecturer (since 2010). In 1995 he got the prestigious Scholarship for Young Scientist founded by Polish Sciences Foundation.

His research concerns HSLA steels for shipbuilding industry, assessment of material residual life in the high temperature environments and failure analysis of engineering materials in various environments. He has published over 55 scientific papers, over 300 other papers and internal reports and over 600 expertise reports for industry. He is co-author of 1 patent.

Since 2013 he has been the ERASMUS program faculty coordinator. Editor of the ‘Advances in Materials Sciences’ scientific quarterly of the Faculty of Mechanical Engineering at GUT (since 2000). He supervised 110 Bachelor and Master Thesis and reviewed 116 such works. Member of the Neutrality Commission of the Polish Register of Shipping (since 2014).

His most important non-scientific interest is aviation. He spends his free time traveling abroad.

Subjects:

Material Sciences; Contemporary Construction Materials; Structural Materials; Heat Treatment Processes; Materials testing Methods; Wear of machines and devices