

(1) Name: Jong-Bong LEE

(2) Title: Professor

(3) Affiliation: GIFT (Graduate Institute of Ferrous Technology) at POSTECH (Pohang University of Science and Technology), KOREA

(4) Short Biography:

JB LEE holds research professor in SEL (Surface Engineering Laboratory) at GIFT in POSTECH. He has research experience to metallic materials and welding and joining of steel in steel making company.

His research interests are improvement of weld cracking susceptibility and toughness with metallurgical analysis of steel welds.

He was Editor-in-chief, Vice president and President (2010–2011) of the Korean Welding Joining Society.

(5) Subject and Schedule of the Lectures:

As a part of the course “Intensive lectures “ in Department of Mechanical System Engineering in Graduate School of Engineering, course of “Transformation of Steel” is opened for six hours on 1st and 2nd of August in 2011.

Understanding of phase transformation and heat treatment are very important in steel development. This course provides a basic knowledge of phase transformation through understanding of heat treatments and evolution of microstructures. The topics include (1) classification of steels, (2) heat treatment of ferrous alloys, (3) phase transformations and (4) application of phase transformation to steel development and welding.

(6) Comments: