

## DOKUMENTY MIĘDZYNARODOWEGO INSTYTUTU SPAWALNICTWA - 2009

### Komisja XV – Projektowanie i wytwarzanie konstrukcji spawanych

- XV-1312-09 Verification of the notch stress concept for the reference radii of  $r_{ref} = 1.00$  and (XIII-2274-09) 0.05 mm - B. Kranz, C.M. Sonsino (Germany)
- XV-1313-09 Fatigue design of welded components of railway vehicle - influence of (XIII-2267-09) manufacture condition and weld quality M. Kassner, M. Küppers et al (Germany)
- XV-1314-09 Applications of the peak stress method for fatigue analysis of welded joints – (XIII-2271-09) B. Atzori, P. Lazzarin, G. Meneghetti (Italy)
- XV-1315-09 Welded connections of high strength steels for the building industry – H.P. Günther, J. Hildebrand et al (Germany)
- XV-1316-09 Effects of laser peening on residual stress, hardness and roughness at weld toe – Y. Sakino, Y. Sano, Y-C. Kim (Japan)
- XV-1317-09 Fatigue lives of box-welded joints pretreated by laser peening – Y. Sakino, Y. Sano, Y-C. Kim (Japan)
- XV-1318-09 Study for functional assessment of welded joints using newly developed welding process and application result of laser arc hybrid welding for the bridge - K. Inose, K. Owaki et al (Japan)
- XV-1319-09 Soundness diagnosis of steel bridge pier repaired by heating / pressing - M. Hirohata, T. Morimoto, Y-C. Kim (Japan)
- XV-1320-09 Fatigue tests and numerical analyses of partial-load and full-load carrying fillet (XIII-2278-09) welds at cover plates and lap joints - W. Fricke, O. Feltz (Germany)
- XV-1321-09 Full-scale fatigue tests of ship structures to validate the S-N approaches for (XIII-2279-09) fatigue strength assessment - W. Fricke, H. Paetzold (Germany)
- XV-1322-09 Design of steel structures for fire safety: Thermal response – K. Jármai (Hungary)
- XV-1323-09 Design of steel structures for fire safety: Mechanical response – K. Jármai (Hungary)
- XV-1324-09 Minimum cost design for fire resistance of welded steel structures – J. Farkas, K. Jármai (Hungary)
- XV-1325-09 S-N curves for welded thin joints –suggested slopes and FAT values for (XIII-2280-09) applying the notch stress concept with various reference radii - C.M. Sonsino, T. Bruder, J. Baumgartner (Germany)
- XV-1326-09 Report on the round robin tests on residual stresses 2009: New calculations (XIII-2291-09) checking an adequate materials law, new results on distortion measurements - H. Wohlfahrt et al (Germany)

- XV-1327-09 Round robin of weld residual stress by x-ray diffraction and computational  
(XIII-2294-09) simulation in Japan - M. Mochizuki, T. Kurimura (Japan)
- XV-1328-09 Residual stress analysis of laser spot welding of steel sheets – P. Martinson,  
(XIII-2296-09) S. Daneshpour et al (Germany)