

Komisja XIII – Wytrzymałość zmęczeniowa konstrukcji i elementów spawanych

- XIII-2513-14 Annual Assembly 2014 List of Documents – G.B. Marquis (Finland)
- XIII-2526-14 Enhancement of the fatigue strength assessment of welded components by consideration of mean and residual stresses in the crack initiation and propagation phases - J. Baumgartner (Germany)
- XIII-2527-14 Simulating fatigue crack growth of multiple cracks in weld toe - P. Lindroth, G. Glinka, G. Marquis (Finland)
- XIII-2528-14 Material characterization of high-frequency mechanical impact treated high-strength steel - E. Mikkola, G. Marquis (Finland)
- XIII-2529-14 Notch stress analyses of high-frequency mechanical impact-improved welds by using $\rho_f = 1\text{mm}$ and $\rho_f = \rho + 1\text{mm}$ approaches – H.C. Yildirim, G. Marquis (Finland)
- XIII-2530-14 The effect of compressive fatigue loads on fatigue strength of non-load carrying specimens subjected to UIT - H. Polezhayeva et al. (UK)
- XIII-2531-14 Reconsideration of Standard S-N curves for welded components using maximum likelihood based fatigue models with and without fatigue limit - L. D'Angelo, A. Nussbaumer (Switzerland)
- XIII-2532-14 Description of the surface and subsurface material conditions after applying high frequency mechanical impact (HFMI) treatment, shot peening and deep rolling: A step towards surface engineering in fatigue resistant welds – M. Farajian et al. (German)
- XIII-2533-14 Modelling and simulation of the high frequency mechanical impact (HFMI) treatment of welded joints – V. Hardenacke, M. Farajian, D. Siegele (Germany)
- XIII-2534-14 Numerical investigation of welding residual stress field and its behavior under multiaxial loading in tubular joints – K. Hemmesi, M. Farajian, D. Siegele (Germany)
- XIII-2535-14 Modelling and simulation of fatigue crack initiation in welded joints based on crystal plasticity - C Beckmann et al. (Germany)
- XIII-2536-14 Fitness for service assessment of defected welded structural details by experimental evaluation of the fatigue resistance S-N curve - G.L. Cosso et al. (Italy)
- XIII-2537-14 Effect of stress-relief annealing on the fatigue strength of HFMI-treated high-strength steel joints – M. Leitner et al. (Austria)
- XIII-2538-14 A study on the fatigue crack initiation point of longitudinal attachments - M. Ottersboeck et al. (Austria)

- XIII-2539-14 A robust method for efficient fatigue life prediction of welded structures - R. Goyal, M. El-Zein, G. Glinka (India/USA/Canada)
- XIII-2541r1-14 Effects of residual stresses and compressive mean stresses on the fatigue strength of straightened longitudinal stiffeners – J. Hensel, T. Nitschke-Pagel, K. Dilger
- XIII-2542-14 Assessment of quality effects on the fatigue life of laser and laser hybrid welded specimens - C. Robert, W. Fricke (Germany)
- XIII-2543-14 Consideration of stress gradient effects for complex structures in local fatigue approaches - C. Fischer, W. Fricke (Germany)
- XIII-2544-14 Comparison of fatigue verification procedures for a thick-walled welded component – A. Hobbacher (Germany)
- XIII-2545-14 Work in progress in France – I. Hutner, H.-P. Lieurade (France)
- XIII-2546-14 Weld effective lengths of rectangular hollow section T-connections under branch bending – M. McFadden (Canada)
- XIII-2547-14 Fatigue strength assessment of laser-welds in web-core sandwich panels using local approaches - D. Frank, H. Remes, J. Romanoff (Finland)
- XIII-2548-14 User participation-type data base of repair cases on fatigue failures - K. Yokoyama, Ch. Miki (Japan)
- XIII-2549-14 Fatigue strength of transverse butt welded joints with weld reinforcement and incomplete penetration - T. Mori, T. Taniguchi (Japan)
- XIII-2550-14 Low cycle fatigue assessment for corner joints based on effective notch strain approach - T. Hanji, J.-E. Park, K. Tateishi (Japan)
- XIII-2551-14 Fatigue evaluation for U-rib-to floor beam connection of orthotropic steel deck with structural hot spot stress - K. Yokozeki, Ch. Miki (Japan)
- XIII-2552-14 Experimental study on simplified assessment method for high frequency effect on fatigue strength of ship's welded joints - N. Osawa et al. (Japan)
- XIII-2553-14 2014 Report of work in progress on fatigue strength of welded joints and components in Japan – T. Mori et al. (Japan)
- XIII-2554-14 Non-destructive measurement of weld toe radius using weld impression analysis, laser scanning profiling and structured light projection methods – E. Harati et al. (Sweden)
- XIII-2555-14 Fatigue life assessment of improved joints welded with alternative welding techniques – T. Holmstrand et al. (Sweden)

- XIII-2556-14 Quality assurance for ultrasonic impact treatment of welds using handheld 3D laser scanning technology – K. Ghahremani et al. (Canada)
- XIII-2558-14 Residual stresses in multi-pass butt-welded ferritic-pearlitic steel pipes – N. Hempel, Th. Nitschke- Pagel, Klaus Dilger (Germany)
- XIII-2559-14 Mobile X-ray tomographic inspection of welded austenitic pipes in nuclear power plants – U. Zscherpel (Germany)
- XIII-2560-14 Ultrasonic modelling of austenitic welds French National project – P. Calmon (France)
- XIII-2561-14 Heterogeneity assessment of welding joints stress state by the metal magnetic memory method – S. Kolokolnikov, A. Dubov, O. Steklov (Russia)