REFERENCES

- Afzal, A. and Fatemi, A. 2004. A comparative study of fatigue behavior and life prediction of forged steel and PM connecting rods. SAE Technical Paper. Paper No. 2004-01-1529.
- Anand, D., Chen, D.L., Bhole, S.D., Andreychuk, P. and Boudreau, G. 2006. Fatigue behavior of tailor (laser)-welded blanks for automotive applications. *Materials Science and Engineering*. 420: 199-207.
- Bhagwan, A.V. and Kridli, G.T. 2004. Formability improvement in aluminium tailor welded blanks via material combination. *Journal of Manufacturing Process.* 6: 2.
- Budynas, R.G. and Nisbett, J.K. 2011. *Shigley's Mechanical Engineering Design*. 9th Edition. New York: The McGraw-Hill Companies.
- Cheng, C.H., Jie, M., Chan, L.C. and Chow, C.L. 2007. True stress-strain analysis on weldment of heterogeneous tailor welded blanks a novel approach for forming simulation. *International Journal of Mechanical Science*. **49**: 217-229.
- Davies, R.W., Vetrano, J.S., Smith, M.T. and Pitman, S.G. 2002. Mechanical properties of aluminiums tailor welded blanks at superplastic temperature. *Journal of Material Processing Technology*. **128**: 38-47.
- Dong, P. 2001. A structural stress definition and numerical implementation for fatigue analysis of welded joints. *International Journal of Fatigue*. 23: 865-876.
- Dowling, N.E. 2004. *Mean stress effect in stress-life and strain-life fatigue*. USA: Society of Automotive Engineers, Inc.
- Gaied, S., Roelandt, J.M., Pinardc, F., Schmita, F. and Balabaned M. 2009. Experimental and numerical assessment of tailor-welded blanks formability. *Journal of Material Processing Technology*. **209**: 387-395.
- Heino, S. and Karlsson, B. 2001. Cyclic deformation and fatigue behavior of 7mo–0.5n superaustenitic stainless steel-stress-strain relation and fatigue life. *Acta Materialia*. **49:** 339-351.
- Holt, J.M.T. 1996. Structural alloy handbook. West Lafayette, IN: Technical Ed.
- Hou, C.Y. 2007. Fatigue analysis of welded joint with the aid of real three dimensional weld toe geometry. *International Journal of Fatigue*. **29:** 772-785.
- Lee, M.K., Lee, H., Lee, T.S. and Jang, H. 2010. Buckling sensitivity of a connecting rod to the shank sectional area reduction. *Materials and Design.* **31:** 2796-2803.

- Nie, J.F., Morton, A.J. and Muddle, B.C. 2004. *Materials forum volume 28: Automotive trend in aluminium The European perspective*. Institute of Materials Engineering Australasia Ltd.
- Rahman, M.M., Ariffin, A.K., Jamaludin, N., Abdullah, S. and Noor, M.M. 2008. Finite element based fatigue life prediction of a new free engine piston mounting. *Journal of Applied Science* 8. 9: 1612-1621.
- Rahman, M.M., Ariffin, A.K., Abdullah, S., Noor, M.M. and Bakar, R.A. 2009a. Durability assessment of cylinder block for two stroke free piston linear engine using random loading. *American Journal of Applied Science*. 6(4): 726-735.
- Rahman, M.M., Kadirgama, K., Noor, M.M., Rejab, M.R.M. and Kesulai, S.A. 2009b. Fatigue life prediction of lower suspension arm using strain-life approach. *European Journal of Scientific Research*. **30**(3): 437-450.
- Sever, N.K., Balachanderan, M., Billur, E., and Altan, T. 2012. *Forming of aluminium alloy sheet for automotive application*. Slide. Center for Precision Forming (CPF).
- Stephens, R.I., Fatemi, A., Stephens, R.R. and Fuchs, H.O. 2001. *Metal fatigue in engineering*. 2nd Edition. New York: A Wiley-Interscience Publication.
- Wang, T., Hopperstad, O.S., Lademo, O.G. and Larson, P.K. 2007. Finite element analysis of welded beam to column joints in aluminium alloy EN AW 6082 T6. *Finite Element in Analysis and Design.* 44: 1-16.
- Williams, C.R., Lee, Y.L. and Rilly, J.T. 2003. A practical method for statistical analysis of strain–life fatigue data. *International Journal of Fatigue*. **25**: 427-436.
- Zhao, K.M., Chun, B.K. and Lee, J.K. 2001. Finite element analysis of tailor-welded blanks. *Finite Elements in Analysis and Design.* **37**: 117-130.