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Academic Qualification

PhD in Mechanical Engineering (2013)

Technische Universität Kaiserslautern, Germany

Thesis: Effects of waterjet treatment on surface integrity of metals and its optimization

M.Sc. in Manufacturing Engineering (2006)

International Islamic University Malaysia

Thesis: Investigation of machining parameters on abrasive waterjet machined surface of glass/epoxy composites using Taguchi method

B.Eng. in Manufacturing (2003)

International Islamic University Malaysia

Research Interest

Dr. Azhari's current research focuses on the area of waterjet technology. He has worked on the abrasive waterjet machining of plastic reinforced composite materials. He is further interested in working with difficult-to-cut materials using abrasive waterjet machining process. He has also worked on the strengthening of metallic surfaces using waterjet treatment or peening process. Additionally, it is in his interest to use the waterjet technology for new applications.

Research Publications (selected)

A. Azhari, C. Schindler, J. Nkoumbou, E. Kerscher, Surface erosion of carbon steel 1045 during waterjet peening. *Journal of Materials Engineering and Performance* 23 (2014), 1870 – 1880.

A. Azhari, C. Schindler, B. Li, Effect of waterjet peening on aluminium alloy 5005. *The International Journal of Advanced Manufacturing Technology* 67 (2013), 785 – 795.

A. Azhari, C. Schindler, E. Kerscher, P. Grad, Improving surface hardness of austenitic stainless steel using waterjet peening process. *The International Journal of Advanced Manufacturing Technology* 63 (2012), 1035 – 1046.

M.A. Azmir, A.K. Ahsan, A study of water jet machining process on glass/epoxy composite laminate. *Journal of Materials Processing Technology* 209 (2009), 6168 – 6173.

M.A. Azmir, A.K. Ahsan, A. Rahmah, Effect of abrasive water jet machining parameters on aramid fibre reinforced plastics composite. *International Journal of Material Forming* 2 (2009), 37 – 44.

M.A. Azmir, A.K. Ahsan, Investigation on glass/epoxy composite surfaces machined by abrasive water jet machining. *Journal of Materials Processing Technology* 198 (2008), 122 – 128.