

## **Publications - Dr Vineet Jha**

2009

V. Jha, A.G. Thomas, M. Bennett and J.J.C. Busfield, "Reversible electrical behaviour with strain for a carbon black filled rubber" *Journal of Applied Polymer Science* (in press)

2008

V. Jha, A.G. Thomas, Y. Fukahori and J.J.C. Busfield, "Micro-structural Finite Element Modelling of the Stiffness of Filled Elastomers: The effect of filler number, shape and position in the rubber matrix", *Constitutive Models for Rubber V* edited by A. Boukamel, L. Laiarinandrasana, S. Meo & E. Verron, pp. 165-172

V. Jha, A.A. Hon, A.G. Thomas and J.J.C. Busfield, "Modelling of the effect of fillers on the stiffness of rubbers", *Journal of Applied Polymer Science*, Vol. 107, pp. 2572-2577

2005

J.J.C. Busfield, V. Jha, A.A. Hon & A.G. Thomas, "Investigation of interfacial slippage on filler reinforcement in carbon-black filled elastomers", *Constitutive Models for Rubber IV*. edited by L. Kari and P-E. Austrell, A.A. Balkema (Leiden), p. 459-464

J.J.C. Busfield, V. Jha, H. Liang, I.C. Papadopoulos and A.G. Thomas, "Prediction of fatigue crack growth using finite element analysis techniques applied to three-dimensional elastomeric components", *Plastics, Rubbers and Composites*, Vol 34 No 8, p 349-356