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Selected Publications (Past five years)

- Ramachandra Murthy**, V. Ramesh Kumar, Smitha Gopinath, Prabhat Ranjan Prem, Nagesh R. Iyer And Reshmi Balakrishnan, (2014) "Structural Performance of Precast and Cast-In-Situ Ultra High Strength Concrete Sandwich Panel", International Journal of Computers, Materials, & Continua, Vol. 44(1), pp 59-72.
- P Yuvaraj, **A Ramachandra Murthy**, Nagesh R Iyer, Pijush Samui and SK Sekar, (2014) "Prediction of Fracture Characteristics of High Strength and Ultra High Strength Concrete Beams based on Relevance Vector Machine, International Journal of Damage Mechanics, Vol. 23(7), pp979–1004.
- Ramachandra Murthy**, B.L. Karihaloo, Nagesh R. Iyer, B.K. Raghu Prasad, (2013), " Determination of size-independent specific fracture energy of concrete mixes by two methods", Cement and concrete research, Vol. 50, pp.19-25.
- Ramachandra Murthy**, G.S. Palani, and Nagesh R. Iyer, (2013), "A Simple Analytical Model for Evaluation of Penetration Depth and Resistant Strength of Concrete Targets", International Journal of Structural Stability and Dynamics, Vol. 13 (3), pp 1-17.
- Ramachandra Murthy**, B.K. Raghu Prasad, and Nagesh R. Iyer, (2013), "Estimation of Fracture Properties for High Strength and Ultra High Strength Concrete Beams and Size Effect", International Journal of Damage Mechanics, Vol. 22, (8), pp 1109-1126.
- P. Yuvaraj, **A. Ramachandra Murthy**, Nagesh R. Iyer, S.K. Sekar and Pijush Samui, (2013), "Support Vector Regression based Models to Predict Fracture Characteristics of High Strength and Ultra High Strength Concrete Beams", Engineering Fracture Mechanics , Vol. 98, Pp 29-43.
- Ramachandra Murthy**, G.S. Palani, Nagesh R. Iyer, Smitha Gopinath, V. Ramesh Kumar, (2012), "Impact Failure Analysis of Reinforced Concrete Structural Components by using Finite Element Method", CMES: Computer Modeling in Engineering & Sciences, Vol. 86 (5), pp 409-434.
- Rama Chandra Murthy**, S. Chitra Ganapathi, N. Lakshmanan, Nagesh R. Iyer and N.G. Bhagavan, (2012), "Experimental and Numerical investigation on In-Plane behaviour of Hollow Concrete Block Panels", Computers and Concrete, Vol. 10 (1), pp 1-18.
- Rama Chandra Murthy, G.S. Palani and Nagesh R. Iyer, (2012), "Damage Tolerant Evaluation of Cracked Stiffened Panels under fatigue loading", Sadhana, Vol. 37, Part I, pp 171-186.
- Rama Chandra Murthy**, G.S. Palani and Nagesh R. Iyer, (2011), "Object Oriented Paradigm for Damage Tolerant Evaluation of Engineering Structures", Advances in Engineering Software, Vol. 42 (1-12), pp 12-24.