



**MATERIALS ENGINEERING**

**MASc Theses**

Current as of May 2007

| YEAR | THESIS TITLE   | AUTHOR                 | SUPERVISOR(S)         |
|------|--|------------------------|-----------------------|
| 2007 | Structural health monitoring and its application to a bridge with sprayed fibre reinforced polymer repair                        | Lin, Tzu-Yin (Tiffany) | N. Banthia & A. Mufti |
| 2006 | Permeability of Fiber Reinforced Concrete under Stress   | Bhargava, A.           | N. Banthia            |
| 2006 | Durability of Spray Applied Glass Reinforced Polymers Externally Applied to Concrete Subjected to a Simulated Marine Environment | Dolan, K. R.           | N. Banthia            |
| 2005 | Permeability and Durability of High Volume Fly Ash Concrete under an Applied Compressive Stress                                  | Biparva, A.            | N. Banthia            |
| 2005 | Carbon-fiber Reinforced Cement Based Sensors   | Chacko, R. M.          | N. Banthia            |
| 2004 | Experimental & Finite Element Analysis of a Damaged RC Bridge Strengthened with GFRP   | Mortazavi, S. R.       | N. Banthia            |
| 2003 | Fracture Toughness of Hybrid Fiber Reinforced Self-Compacting Concrete   | Majdzadeh, F.          | N. Banthia            |
| 2003 | Exposure Based Durability of FRP Strengthened Concrete   | McKay Johnson, M.      | N. Banthia            |
| 2003 | Properties of Fiber Reinforced Concrete with Latex Modification  | Xu, H.                 | S. Mindess            |
| 2002 | Hybrid Fiber Reinforced Concrete: Fiber Synergy in Very High Strength Concrete   | Gupta, R.              | N. Banthia            |
| 2002 | Flexural Response of Hybrid Fiber Reinforced Cementitious Composites   | Soleimani, S. M.       | N. Banthia            |
| 1999 | Plastic Shrinkage Cracking in Dry Mix Shotcrete  | Campbell, K.           | N. Banthia            |
| 1998 | HRM in Dry-Mix Shotcrete   | Bindiganaville, V.     | N. Banthia            |
| 1998 | Recycled Aggregate in Shotcrete and Concrete   | Chan, C.               | N. Banthia            |
| 1998 | Impact Resistance of Fiber Reinforced Shotcrete  | P. Gupta               | N. Banthia            |
| 1996 | Shrinkage Cracking in Shotcrete  | Campbell, K.           | N. Banthia            |