

Graduate Students Associated with the Materials and Process Mechanics Laboratory

Date	Degree	Candidate	Thesis Title
Feb. 1991	M.A.Sc.	G. Fernlund	Quasi-Static Failure of Structural Adhesive Joints
Apr. 1993	M.A.Sc.	A. Yakimov	Adhesive Wetting Kinetics
Aug. 1993	M.A.Sc.	M. Papini	Fracture Load Prediction of Structural Adhesive Joints
July 1994	M.A.Sc.	D. Plausinis	Time-Dependent Fracture of Adhesive Joints
Aug. 1994	Ph.D.	G. Fernlund	Design of Structural Adhesive Joints
May 1995	M.A.Sc.	H. Lanting	Mixed Mode II/III Fracture of Adhesive Joints
Sept. 1995	M.A.Sc.	M. Dessureault	Observations of Fatigue Crack Initiation and Propagation in Structural Adhesive Joints
April 1996	M.Eng.	A. Hamade	A Preliminary Assessment of the Mechanical Properties of Organic Coatings
April 1996	M.Eng.	J. van de Vegte	Automated Adhesive Bonding of Stator Magnets
Sept. 1996	M.A.Sc.	J. Wylde	Measurement of Adhesive Joint Fracture Properties as a Function of Environmental Degradation
Jan. 1997	M.A.Sc.	I.V. Vintilescu	Mixed-Mode I-II-III Fracture of Adhesive Joints
May 1997	M.A.Sc.	E. Jean	Coating Removal from Aluminum Using Wheat Starch Blast Cleaning
Oct. 1997	Ph.D.	S. Ardebilli	Micromechanical Characterization of the Interphase Zone in Adhesive Joints (co-supervisor A.N. Sinclair)
Sept. 1997	Ph.D.	A. Moidu	Characterization of Adhesive Joint Durability Using Open-Faced Specimens (co-supervisor A.N. Sinclair)
Sept. 1997	M.A.Sc.	B. Djurovic	Coating Removal from Fiber Composites Using Wheat Starch Blast Cleaning
Nov. 1998	Ph.D.	M. Papini	Organic Coating Removal by Single Particle Impact

Oct. 1998	M.A.Sc.	M. Ahmed	Blast Cleaning of Painted Surfaces
July 1999	M.A.Sc.	P. Tangestanian	Starch Media Blast Cleaning: Properties and Performance of Masking Tapes and Aged Paint Films
Aug. 1999	M.A.Sc.	S. Wang	Experimental Investigation of the Mechanics of Vibratory Finishing
Sept. 1999	M.A.Sc.	Y. Tu	Water Absorption and Degradation in Adhesive Joints
Dec. 1999	M.A.Sc.	A. Raykowski	Mechanics of Blast Cleaning as Applied to Gas-Turbine Rotor Deposits
Jan. 2000	M.A.Sc.	I. Farid	Viscoelastic Properties of Wood Fiber Reinforced Polyethylene: Stress Relaxation, Creep and Threaded Joints
May 2000	Ph.D.	C. Cottrell	The Influence of Surface Properties on Zebra Mussel Adhesion (co-supervisor D.G. Allen)
Aug. 2000	M.A.Sc.	A. Akhtarkhvari	Painting Wood-Fibre Reinforced Plastics (co-supervisor M.T. Kortschot)
Sep. 2001	M.A.Sc.	R. Wang	Fracture of Bonded Sheet Structures (co-supervisor A.N. Sinclair)
Sep. 2001	M.A.Sc.	Q. Mao	Wetting and Distortion of Paper (co-supervisor M.T. Kortschot)
Sep. 2001	M.A.Sc.	J. Cui	Fracture of Bonded Sheet Structures
Sep. 2001	M.Eng.	R. Chaudhary	Black Pad Defect in Pb-Free Solder Joints
Sep. 2001	M.Eng.	K. Shamsi	Black Pad Defect in Pb-Free Solder Joints
Jul. 2002	M.A.Sc.	M. Baghbanan	Contact Forces and Surface Characterization of Aluminum Alloys in a Vibratory Finishing Process
Dec. 2002	M.A.Sc.	S. Sareskani	Adhesive Failure with Adherend Yielding – The T-Peel Test and Cohesive Zone Modeling
Dec. 2002	M.A.Sc.	A. Shaygan-Pur	Fracture of Bonded Sheet Structures
Apr. 2003	M.A.Sc.	K. Al-Qazzaz	Buckling Failure in Adhesive Joints under Bending

Mar. 2003	M.A.Sc.	G. Cheung	Mechanical Response of Intramedullary Nails (co-supervisor M. Papini, Ryerson Polytechnic Univ.)
Oct. 2002	M.A.Sc.	D. Ciampini	Computer Simulation of Interference Effects in Particle Streams (co-supervisor M. Papini, Ryerson Polytechnic University)
Dec. 2000*	Ph.D.	Y. Qi	Accelerated Thermal Fatigue Testing of Sn-Pb and Pb-Free Solder Joints in Microelectronic Packages
Oct. 2002	M.Eng.	I. Muhammad	Determination of Elastic Thermal Stresses in Microelectronic Packages Using Finite Element Analysis
Mar. 2002	M.Eng.	A. Ali	Analysis of Temperature Distribution in Film Packaging Equipment
Oct. 2002	M.Eng.	Y. Li	Lead-Free Solder Finishes
Oct. 2002	M.Eng.	S. Raza	Lead-Free Solder Rework Evaluation
Jan. 2003	M.Eng.	M. Yeoh	An Investigation of the Reduction in Optical Fibre Strength After Fusion Splicing
Feb. 2003	M.Eng.	Y. Wang	Measurements of Velocity Fields in a Vibratory Finisher
Apr. 2003	M.Eng.	Q. Hu	Analytical and Numerical Modeling of Snap Buckling in Adhesive Joints
Sep. 2003	M.A.Sc.	N. Chhabra	Atomic Force Microscopy of Paper Fibres (co-supervisors M.T. Kortschot and C. Yip)
Jan. 2006	Ph.D.	H. Ghorbani	Thermal Fatigue of Sn-Pb and Pb-Free Solder Joints: Experiments and Modeling
Aug. 2003	M.Eng.	M. Agia	Effect of Cooling Rate on Performance of Lead-Free Solder
Jun. 2003	M.Eng.	A. Pakzad	Control of Infrared Curing of Adhesives in Fibre-Optic Joining
Dec. 2002	-	J. Ma	Thermal Fatigue of Plated-Through-Vias: Modeling and Experiments
Sep. 2002*	Ph.D.	D. Ciampini	Mechanics of Vibratory Finishing

Jan. 2006	M.A.Sc.	R. Lam	Thermal Fatigue Testing of Various Plated-Through-Vias: Comparison of Convective and Resistive Heating
Sep. 2003*	Ph.D.	S. Emami Naeini	Mechanics of Vibrating Finishing
Sep. 2004	M.Eng.	M. Li	Bending Strength of Solder Joints
Apr. 2004	M.Eng.	D. Purza	PDPA Studies of Abrasive Air Jets
Jan. 2006	M.A.Sc.	X. Xie	Rewetting of Paper (co-supervisors M.T. Kortschot, R. Farnood)
Sep. 2003*	Ph.D.	D. Shirley	Creep of Solders as a Function of Stress State
Jul. 2006	M.A.Sc.	O. Belashov	Thermal Fatigue of Plated-Through-Vias
Apr. 2005	M.Eng.	H. Patel	Particle Motion in a Vibratory Finisher
Jan. 2007	M.A.Sc.	N. Dadhiala	Mechanics of Round-End Truss Joints
Aug. 2004*	Ph.D.	A. Ghobeity	Abrasive Jet Mico-machining (co-supervisor M. Papini, Ryerson Univ.)
Sep. 2006	M.A.Sc.	M. Jastrzebski	Simulated Degradation of Adhesive Joints (co-supervisor A.N. Sinclair)
June 2004*	M.A.Sc.	T. Krajac	Abrasive Jet Mico-machining (co-supervisor M. Papini, Ryerson Univ.)
May 2007	M.A.Sc.	G. Hailu	Abrasive Jet Mico-machining of Polymers (co-supervisor M. Papini, Ryerson Univ.)
Sep. 2005*	Ph.D.	S. Azari	Fatigue of Adhesive Joints (co-supervisor M. Papini, Ryerson Univ.)
Jan. 2007	M.Eng.	S. Mohsen	Vibratory Simulator
Aug. 2006*	Ph.D.	A. Mohajerani	Erosion in Vibratory Finishing
Aug. 2006*	Ph.D.	A. Ameli	Design of Adhesive Joints Subject to Degradation (co-supervisor M. Papini, Ryerson Univ.)
Sep. 2006*	Ph.D.	N. Datla	Fatigue of Degraded Adhesive Joints (co-supervisor M. Papini, Ryerson Univ.)
Sep. 2006*	Ph.D.	S. Nadimpalli	Prediction of Solder Joint Strength

Sep. 2006*	M.A.Sc.	A. Oladeinde	Abrasive Jet Erosion of Teeth (co-supervisor M. Papini, Ryerson Univ.)
Jan. 2007*	M.Eng.	J. Kilbourne	Friction Stir Welding (co-supervisor T. North, MSE)
May 2007*	Ph.D.	G. Hailu	Abrasive Jet Mico-machining of Polymers (co-supervisor M. Papini, Ryerson Univ.)