

Robert Pelton's Employees and Students

SUMMARY Since 1987 – as of 2012-10-26

34	Masters Graduates
27	Ph.D. Graduates
11	Visiting Professors and Scientists
35	Post Doctoral Fellows
5	Research Engineers, PDFs and Staff
89	Summer and 4yr Project Students
10	Current Ph.D Students
2	Current M.A.S. Students
6	Current Staff, PDFs, and visiting scientists
11	Current Summer/coop Students

20 Former graduate students, summer students and PDFs who are Professors

Current Research Students

Name	Degree	Started	Completion	Co-supervisor
Zuohe (Kevin) Wang	Ph.D. FT	Jan. 2009	January 2013	
Jingyun (Tracy) Wang	Ph.D. FT	Sept. 2009	Sept. 2013	Brennan
Carla Abarca	Ph.D. FT	Sept. 2010		
Hajir Mokhtari	M.A.S. FT	Sept. 2010		
Roosbeh Mafi	Ph.D. FT	Sept. 2010		
Sana Jahanshahi	Ph.D. FT	Sept. 2010		Filipe
Kanchana Gowda	M.A.S. FT	Sept. 2011		Filipe
Zhuyuan (Alex) Zhang	Ph.D. FT	Sept. 2011		Filipe
Justin Zhen Hu	Ph.D. FT			
Sofia XIAOFEI DONG	Ph.D. FT	Sept. 2012		
Allen LUNQUAN YU	Ph.D. FT	Sept. 2012		
Sean QIANG FU	Ph.D. FT	Sept. 2012		

Current Staff, PDFs and Visitors

Name	Position	Start Date	Co-supervisor
Doug Keller	Laboratory Manager	1995	Zhu, Hamielec
Sally Watson	Accounts Administrator	July 2009	
Jerry Liu	Research Assistant	July 2012	
Hanna Koivula	PDF	March 2012	Brennan
Songtao Yang	PDF	January 2012	
Emil Gustafsson	Visiting scientist	March 2012-	
George Rosenberg	<i>SENTINEL</i> Manager	September 2005-	

Former Group Members

M. Eng. and M. Sc. Student Theses and Employer (not necessarily current)

- 34 Jerry Jieyi Liu, Mechanisms for Cellulose-reactive Polyvinylamine-graft-TEMPO Adhesive, September 2010 – July 2012.
- 33 Evan Mah, Paper Based Thermo-Responsive Membranes For Reversible Adsorption Of Estrogen From Wastewater Sept 2020- Sept. 2012
- 32 Bruce Minrui Chen, Studies of Oil-in-Water Mini-Emulsions at Solid-Liquid Interfaces, 2010-2012
- 31 Leung, V. Development of Paper-Based Devices for Diagnostics and Biosensing. McMaster University, Hamilton, 2011.
- 30 Naderizand, B. Studies of Inorganic Nanoparticles as Collectors for Flotation. McMaster University, 2011
- 29 Huan (Leo) Hsu, Sept. 2008 – Sept. 2010
Particle Movement in Paper Porous Media: Influence Factors and Model
- 28 Liang (Jack) Zhang, Sept. 2008 - August 2010
Studies of labile polyelectrolyte at solid-liquid interfaces
- 27 Pengchao (Roger) Ren, Sept. 2008 - August 2010
The use of polyvinylamine-supported TEMPO oxidation in wet-strengthening of paper
- 26 Jingyun (Tracy) Wang, Sept. 2007-Aug. 2009
Influence Of Paper Surface Chemistry On The Activity Of Immobilized Antibodies. Ph.D. candidate McMaster University
- 25 Jie Xu, M.A.S., Sept 2006-Sept 2008
A general platform for aptamer mediated capture of specific targets.
- 24 Ruilin (Jerry) Li, M.A.Sc., Sept 2006-July 2008
Kinetics of tio2 photocatalytic decomposition
Ph.D. candidate, McMaster University
- 23 Zhen (Justin) Hu, M.A.Sc., Sept 2006-July 2008
Study of hydroxylpropyl guar properties at solid-liquid interface
Ph. D. Candidate, McMaster University

- 22 Junhai (Jason) **Lin**, M.A.Sc., Sept. 2006 -June 2008
The Influence of Paper Surface Chemistry on Bacteriophage Activity
Nalco China
- 21 Parisa **Zoghi**, M.A.Sc., Sept. 2007
Development of Antibacterial Efficacy Testing Method for TiO₂ Coated Paper in the Presence of Light
Process Engineer, SNC-Lavalin Nuclear Inc
- 20 Andrea **Collis**, M.A.Sc., Feb. 2005
The High-Throughput Micro-Adhesion Tester
- 19 Grantland **Wang**, M.A.Sc., September 2002-September 2004
High Efficiency Paper Additives Based on Enzyme Recognition Functions – Immobilization of Xylanase
- 18 Yi **Wang**, M.A.Sc., January 2003-September 2004
Hydrophobically Modified Polyvinylamine and Its Influence on Paper Strength
Maxxam Analytical Inc. Montreal.
- 17 Viviana **Jono**, M.A.A. (U. Toronto), Sept. 2002
High Efficiency Paper Additives Based on Enzyme Recognition Functions
- 16 Li **Zhu**, M.Eng., Sept. 2002
Strength Enhancing Polymers for Paper
- 15 Hong **Li**, M.Eng., Sept. 2002
Interaction between paper and pressure sensitive adhesives
Government of Canada, Toronto
- 14 Nicole (Wan-Yin) **Chen**, M.Eng., April 2002
The influence of dextran aldehyde on wet paper strength.
- 13 Jessie Juei-Ling **Hong**, M.Eng., 2001
The effects of poly(N-vinylformamide) and polyvinylamine on dry and wet paper strength.
Shanghai PielColor Fooyee Chemicals Co., Ltd.
- 12 Xiaowei (Linda) **Li**, M.Eng., 2001
The influence of fillers on paper strength.
Nalco, China
- 11 Atefeh **Moghaddamzadeh**, M.Eng., 2000
Characterizing fluorescent polymers in paper using CLSM
Dynea Canada Ltd.
- 10 Wei **Chen**, M.Eng., 1999
The adhesion between pressure sensitive adhesive and paper
Bayer Canada, Sarnia
- 8 Julie **McLachlan**, M.Eng., 1997
Synthesis and characterization of graft polyelectrolytes
Nalco Canada, Burlington
- 7 Michael Jason **Kempe**, M.Eng., 1995
Dynamic modeling of a vacuum drum washer system
Goodfellow Technologies Inc., ON

- 6 Joseph Anthony **Maiolo**, M.Eng., 1995
Aerosol-enhanced column flotation
Goodfellow Technologies Inc., ON
- 5 Beverley Jo-Anne **Wasmund**, M.Sc., 1992
A method for evaluating novel reactive extrusions
McMaster University, Hamilton, ON.
- 4 Marian Lynn **Corak**, M.Eng., 1992
The effects of water soluble polymers on the deposition and detachment of poly(styrene) latex particles
Nalco, Burlington, ON
- 3 Wayne Charles **McPhee**, M.Eng., 1991
Preparation and characterization of temperature sensitive poly(N-isopropylacrylamide microgel latexes
Solarchem Environmental Systems, ON
- 2 Andrea **Osterroth**, M.Eng., 1991
Poly(methyl methacrylate) sterically stabilized by silicone
Cangene Corporation, Mississauga, ON
- 1 Krishnadatt **Bhola**, M.Eng., 1989
The observed stability of PVC particles in n-butyl chloride
Dupont Canada, Kingston, ON

Ph.D. Students and Subsequent Employer

- 27 Wen, Q. Microgel Adhesives of Wet Paper Strength. McMaster University, Hamilton, Ontario, Canada, 2012.
- 26 Yang, S. Nanoparticle Flotation Collectors. McMaster University, Hamilton, 2012
- 25 Xu, Y. A Generic Smell Generating Enzymatic Biosensor. Ph.D., McMaster, Hamilton 2011
- 24 Zhang, D. Controllable Self-Assembly Based on Interaction of Boronic Acids and Diols.
Assistant Professor, Shijiazhuang Tiedao University
- 23 Yuguo Cui, July 2010
“Characterizing hydroxypropyl guar - borate interactions with model tear film components.”
PDF, McMaster University
- 22 Wei Chen, February 2009
“Wet adhesion of polyvinylamine phenylboronic acid to cellulose hydrogel”
Medtronic, Jacksonville Florida
- 21 Lucy Ye, February 2008
“Bioactive titania colloidal particles: preparation, characterization and applications”
PDF, UBC.
- 20 Shunxing **Su**, September 2007
“Biomacromolecules in Paper for Strength and Bio-detection”
PDF, FP Innovations, Vancouver
- 19 Chuanwei **Maio**, September 2007
“Synthesis of Polyvinylamine Microgels and Their Effects on Paper Strength”
PDF, FP Innovations, Vancouver

- 18 Xianhua **Feng**, January 2007
“Polyvinylamine carboxymethyl cellulose complexes “
PDF, University of Alberta
- 17 Todd **Hoare**, June 2006
Multi-Responsive Microgels: Synthesis, Characterization, and Applications
Assistant Professor, McMaster University
- 16 Yaling **Xu**, September 2005
Calcium Carbonate Adhesion in Paper
Research Scientist, Nalco China
- 15 Boxin **Zhao**, April 2004
The Interactions of Pressure Sensitive Adhesives with Paper Surfaces
Assistant Professor, University of Waterloo
- 14 Chen **Lu**, June 2003
Mechanisms of Filler Flocculation With Peo/Cofactor Dual-Component Flocculants
Research Scientist, Buckman Laboratories, Memphis
- 13 Jinsong **Wang**, May 2002
Experiments and Modeling of Pulp Mat Formation
Self employed.
- 12 Rongjuan **Cong**, July 2002
PEO/poly(vinyl phenol-co-styrene sulfonate) aqueous complex formation
Senior Research Eng., Dow, Freeport, TX
- 11 Youqing **Shen**, 2001
Atom-transfer radical polymerization and its continuous processes
Assistant Professor, Department of Chemical Engineering of University of Wyoming.
- 10 Faquan (Sam) **Zeng**, 2001
Synthesis of Cationic Macromonomers by Living Polymerizations for Comb-Branched Polyelectrolytes
Polymer Source, Montreal QU
- 9 Jin **Zhang**, 2000
The effect of polymer structure and interaction on paper strength
Dept. of Analytical R&D of BMS(Bristol Myer Squibb) Pharmaceutical Research Institute, NJ.
- 8 Ju **Zhang**, 1998
Poly(N-isopropylacrylamide) at the air/water interface
Mt. Sinai Hospital, Toronto, ON
- 7 Michael **Ajersch**, 1997
Mechanisms of pulp loss in flotation deinking
PAPRICAN, Montreal, QU
- 6 Howard Allen **Ketelson**, 1996
The colloidal stability and surface chemistry of Stober Silica
Alcon Laboratories, Fort Worth, TX
- 5 Debnath **De**, 1996
Reactive polymer enhanced miscible displacement in porous media
Johnson Matthey, Wayne, PA

- 4 Alexander Kwun **Chan**, 1994
Permeability studies of wood fibre beds
Casco Nobel, ON
- 3 Huining **Xiao**, 1994
Novel water soluble polymers as flocculants
Prof. Dept. of Chemical Engineering, University of New Brunswick, Fredericton
- 2 Xiao Yu **Wu**, 1993
Synthesis and characterization of polyelectrolytes and aqueous latices
Prof., Department of Pharmacy, University of Toronto
- 1 Paul **Gossen**, 1991
On-line instrumentation for latex production
E.I. Dupont, USA

Visiting Scientists and Sabbatical Visitors

Mr. Teruaki Sato, Arakawa Chemicals, July 2010-July 2012
Prof. Marzieh Razavizadeh, Khorasan Research Institute, May 2011 – Feb 2012
Prof Liqiang Jin, Shandong Institute of Light Industry, Nov 2009- Apr 2010
Prof. H. Tanaka, Kyushu University, Sept 2005 –May 2007
Mr. Kazuhiro **Kurosu**, Nippon Paper Industries Ltd. 9-2002 to 9-2003.
Prof. Ana **Barros**, University of Aveiro, Portugal, 9-2001 to 2-2002.
Ms. Malin **Eriksson**, Mid Sweden University, 1-1-2001 to 7-1-2001
Ms. Jessi **Hong**, Taiwan, 8-1-1999 to 8-1-2000
Prof. Truis **Smith-Palmer**, St. Francis Xavier University, 7-1-1999 to 7-1-2000.
Mr. Shisei **Goto**, Nippon Paper Industries Ltd., 8-15-97 to 8-15-98
Ms. Ju **Zhang**, Chinese Visiting Scholar, 6-1994 to 12-1994.

Post Doctoral Fellows

	Last Name	First Name	Started	Finished	Currently
35	Cui	Yuguo	2010	Sept. 2012	Furnace Minerals Products Inc.
34	Li	Jeffry	Jan 2011	Aug 2011	3M
33	Raegen	Adam	July 2010	December 2010	U. of Guelph
32	Khanal	Anil	Sept. 2008	Sept. 2010	
31	Chen	Wei	Feb 2009	Nov. 2009	Medtronic, Florida
30	Li	Chengming	Nov. 2005	Oct. 2007	
29	Geng	Lily	Sept 2005	Oct. 2007	September 2007
28	Li	Xin	July 2003	Sept 2006	Novozymes, N.C.
27	Dai	Sheng	May 2005	July 2006	Lecturer, U. Adelaide
26	Chen	Peter Xiaonong	2/1/2001	7/15/2005	Prof. Beijing U. Chem Tech
25	Feng	Zhinan	7/1/2003	7/1/2005	Maxxam Analytics Mississauga
24	Xu	Jack Jianjun	9/1/2001	9/2/2002	China
23	Hu	Shuwen	9/15/1999	9/15/2000	UCLA, Irvine
22	Bartzoka	Vasso	9/1/1999	9/11/2001	NRC
21	Lu	Zhaobin	12/1/1998	4/1/1999	
20	Ge	Jijun	11/1/1998	2/1/1999	
19	Liu	Jun	10/5/1998	2/19/2000	Imperial Oil
18	Shen	You Qing	5/1/1998	5/1/1999	Casco Nobel
17	Subramanian	Ramesh	11/1/1997	11/1/1998	Prof. Laurentian
16	Yuan	Yumin	11/1/1997	1/16/1998	U of T
15	Geng	Wang	2/20/1997	9/1/1998	GE Corp.
14	Yang	Ling	11/1/1996	10/26/1998	
13	Yang	Zhuo	7/1/1996	7/1/1997	Manchester U.
12	Gibbs	Andrea	6/15/1995	10/15/1997	QuestAir
11	McLennan	Ian	1/10/1995	7/1/1996	Ecosynthetix
10	Yeung	Tony	10/17/1994	8/1/1996	Prof. U. of Alberta
9	Xiao	Huining	10/1/1994	1/26/1996	Prof. UNB
8	Halder	Raghunath	9/8/1994	1/1/1995	
7	Lappan	Ray	1/1/1994	8/1/1996	
6	Ben	Yuxia	11/1/1993	8/15/1995	PAPRICAN
5	Deng	Yulin	11/1/1992	2/15/1995	Prof. Inst. Paper Chem., Atlanta

Robert Pelton McMaster University

4	Zhu	Shiping	5/1/1991	7/1/1994	Prof. McMaster
3	Li	Pauline	1/2/1990	8/15/1991	Prof. Hong Kong Polytechnic
2	Tam	Michael	4/1/1989	1/1/1991	Prof. Nanyang Tech. Univ.
1	Mousa	Hasan	1/1/1989	1/1/1990	Prof. Jordan U. of Science

Past Administrative and Full Time Research Staff

Kris Kostanski, Research Scientist, 2006-2009 (part time)

Frances Lima, 2008-2009

Leslie Johnston, Account Administrator, 2005-2006

Joe Maiolo, 1996-1998, Research Engineer

Brian Grosse, 1992-1994, Research Engineer

Beverley Wasmund, 1994, Research Engineer

4th Year Project and Summer Students (supervisor)

2012 11 Adyasa Pani, IIT Rokerij, Sept 2011- May 2012 Sushma Sush, IIT Rokerij, Sept 2011- May 2012 W.Y.

(Joyce) Lam (Zuohe (Kevin) Wang), A.C. (Aleah) Henry (Alex Zhang), Patrick Morkus (Carla Abarca), Xi Zhang (Tracy Wang), Robin Ng (Justin Hu), Sarah Ballinger (Justin Hu), Gerard Bruin (Songtao Yang), Jackie Obermeyer (Bruce Chen), Jacqueline Sim (Tracy Wang).

2011 13 Jacqueline Sim (Tracy Wang), Miles Montgomery (Kevin Wang), Stephen Jonkhans (Dan Zhang), Antonyos Fahmy (Quan Wen), Jackie Obermeyer (Selina Xu), Steven Zecchin (Quan Wen), Kyle Lefebvre (Kevin Wang), Chad Glen (Bruce Chen), Andrew Haines (Yuguo Cui), Cameron Gray (Roozbeh Mafi), Kushlani Wijesekera (Jeffrey Li), Karen Giang (Jeffrey Li), Leah Kesselman (Jeffrey Li).

2010 9 Sean Johnstone (V Leung), Stephen Jonkhans (Y. Cui), Angel Li (Anil Khanal), Miles Montgomery (Songtao Yang), Venus Moradi (Tracy Wang), Jackie Obermeyer (Tracy Wang), Joanne Sauder (Selina Xu), Andrew Vincelli (Quan Wen), Alexis Ambeault (Songtao Yang)

2009 4 Mike Winer, Qi (Angel) Li, Yuan (Jennifer) Ren, Brian Yiu (coop student with Tracy)

2008 2 Rohan Jacob, Ankit Baghwala

2007 4 Daryl Sivakumaran (Wei Chen), Marka Jansen, Lauren Davies, Adam Hepburn

2006 5 Filip Bidzinski (Lucy Ye), Tracy Pereira (Lou DiFlavio), Tara Smith (Xin Li), Scott Gow (Lily Geng), Vincent Leung (Wei Chen)

2005 6 Muntasir Saffie (Li and DiFlavio), Kristin Pouw, Nick Stavropoulos, Tracy Pereira, Mohammed Ehab (DiFlavio), Daniel McLean (Hoare)

2004 6 Aileen Jalandoni, Robert Bertoia, Mei Lau (Peter- hydrophobic PVAm), Dang Nguyen, Lulu Bursztyn, Nick Stavropoulos, Sally Rizk

2003 4 Robert Bertoia, Kathryn Macdougall (hydrophobic PVAm), Alison Banks, Marlene Stahel

2002 5 Ray Huang (Peter PVAm flocculation), Luis Anderson, Kerry Shaw, Lou DiFlavio, Art Tinson

2001 4 Elaine Miasek, Elizabeth Srokowski, Lou DiFlavio, Mr. Steve Dillon

Robert Pelton McMaster University

2000 6 Stephanie Chiu, Jeff Hubert, Graham Scott, Lisa Wilkinson, Adam Smith, Andrea Collis
1999 2 Eric Wood, Nicole Chen
1998 2 Sara Amirpour, Caroline Ridyard
1997 3 Karine Chan, Milica Rodic(Prof. at Toronto), Nkoane Bonang
1996 4 Mike Patton, Jennifer McClare, Eugene Law, Rick Petrella
1995 4 Silvia Tisescu, Richard Gaspari, Rick Petrella, Gillian Goward(Prof. at McMaster)
1994 5 Faye Tan, Jennifer Vallbacka, Valeri Brown, Rafael Castillo, Jasmine Patry
1993 3 Genaro Palumbo, Milan Maric(Prof. at McGill), Marleen Van DeWiele
1992 4 Phil Reicher, Christine Williams, Peter Miller, Ivan Militec
1991 2 Sid Rajaram, Mike Towers
1990 3 Richard Piette, Greg Emery, David Lawrence
1989 2 Mike Rossi, David Lawrence(former Prof at Queens)

--	--	--	--	--	--