

## Robert Pelton's Employees and Students

### SUMMARY Since 1987 – as of 10-10-04

29	Masters Graduates
23	Ph.D. Graduates
8	Visiting Professors and Scientists
32	Post Doctoral Fellows
5	Research Engineers, PDFs and Staff
78	Summer and 4yr Project Students
9	Current Ph.D Students
6	Current M.A.S. Students
5	Current Staff, PDFs, and visiting scientists
9	Current Summer/coop Students
<b>204</b>	<b>Total Students and Collaborators</b>

13 Former Graduate Students and PDFs who are Professors

### Current Research Students

Name	Degree	Started	Completion	Co-supervisor
Dan Zhang	Ph.D. FT	July 2006	Dec. 2010	
Songtao Yang	Ph.D. FT	Sept. 2007	Sept. 2011	
Quan Wen	Ph.D. FT	Sept. 2007	Sept 2011	
Behnam Naderi Zand	Ph.D. FT	Jan. 2009	January 2013	
Zuohe (Kevin) Wang	Ph.D. FT	Jan. 2009	January 2013	
Selina (Yaqin ) Xu	Ph.D. FT	Sept. 2007		Filipe
Jingyun (Tracy) Wang	Ph.D. FT	Sept. 2009	Sept. 2013	Brennan
Bruce Minrui Chen	M.A.S. FT	Sept. 2010		
Carla Abarca	M.A.S. FT	Sept. 2010		
Evan Mah	M.A.S. FT	Sept. 2010		Ghosh
Vincent Leung	M.A.S. FT	Sept.2009		
Hajir Mokhtari	M.A.S. FT	Sept. 2010		
Jerry Jieyi Liu	M.A.S. FT	Sept. 2010		
Roozbeh Mafi	Ph.D. FT	Sept. 2010		

Sana Jahanshahi	Ph.D. FT	Sept. 2010		Filipe
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### Current Staff, PDFs and Visitors

Name	Position	Start Date	Co-supervisor
Doug Keller	Laboratory Manager	1995	Zhu, Hamielec
Sally Watson	Accounts Administrator	July 2009	
Yuguo Cui	PDF	July 2010	
Teruaki Sato	Visiting Scientist	July 2010	
Adam Raegen	PDF	July 2010	Kari Dalnoki-Veress

### Former Group Members

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

- 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

- 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

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.

Robert Pelton McMaster University

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**

	<b>Last Name</b>	<b>First Name</b>	<b>Started</b>	<b>Finished</b>	<b>Currently</b>
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	NINT Alberta
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
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
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### 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

### 4<sup>th</sup> Year Project and Summer Students (supervisor)

2010 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 Mike Winer, Qi(Angel) Li, Yuan (Jennifer) Ren, Brian Yiu (coop student with Tracy)  
 2008 Rohan Jacob, Ankit Baghwala  
 2007 Daryl Sivakumaran(Wei Chen), Marka Jansen, Lauren Davies , Adam Hepburn  
 2006 Filip Bidzinski (Lucy Ye), Tracy Pereira (Lou DiFlavio), Tara Smith (Xin Li), Scott Gow (Lily Geng), Vincent Leung(Wei Chen)  
 2005 Muntasir Saffie (Li and DiFlavio), Kristin Pouw, Nick Stavropoulos, Tracy Pereira, Mohammed Ehab(DiFlavio), Daniel McLean (Hoare)  
 2004 Aileen Jalandoni, Robert Bertoia, Mei Lau (Peter- hydrophobic PVAm), Dang Nguyen, Lulu Bursztyn, Nick Stavropoulos, Sally Rizk  
 2003 Robert Bertoia, Kathryn Macdougall (hydrophobic PVAm), Alison Banks, Marlene Stahel  
 2002 Ray Huang (Peter PVAm flocculation), Luis Anderson, Kerry Shaw, Lou DiFlavio, Art Tinson  
 2001 Elaine Miasek, Elizabeth Srokowski, Lou DiFlavio, Mr. Steve Dillon  
 2000 Stephanie Chiu, Jeff Hubert, Graham Scott, Lisa Wilkinson, Adam Smith, Andrea Collis  
 1999 Eric Wood, Nicole Chen  
 1998 Sara Amirpour, Caroline Ridyard  
 1997 Karine Chan, Milica Rodic(Prof. at Toronto), Nkoane Bonang  
 1996 Mike Patton, Jennifer McClare, Eugene Law, Rick Petrella  
 1995 Silvia Tisescu, Richard Gaspari, Rick Petrella, Gillian Goward(Prof. at McMaster)  
 1994 Faye Tan, Jennifer Vallbacka, Valeri Brown, Rafael Castillo, Jasmine Patry  
 1993 Genaro Palumbo, Milan Maric(Prof. at McGill), Marleen Van DeWiele  
 1992 Phil Reicher, Christine Williams, Peter Miller, Ivan Militec  
 1991 Sid Rajaram, Mike Towers  
 1990 Richard Piette, Greg Emery, David Lawrence  
 1989 Mike Rossi, David Lawrence(former Prof at Queens)

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