

Presentations by Robert Pelton, 1992-

Summary:

Invited Lectures: 290

Conference Presentations 198

Invited Lectures and Seminars 1992- (290)

- 292 **Pelton, R.**, Turning Bioactive Paper Test Strips into Active Packaging. Paptac Annual Meeting, Montreal February 3, 2014.
- 291 **Pelton, R.**, Opponent to Jonna Boudreau Thesis Defense Karlstad, Sweden, December 13, 2013
- 290 **Pelton, R.**, Abarca, C., High Throughput Screening for Colloidal Product Development. CSCHE2013 Fredericton, New Brunswick, Monday, October 21, 2013
- 289 **Pelton, R.**, Design Rules for Cellulose Adhesive Microgels CSCHE2013 Fredericton, New Brunswick, October 20, 2013
- 288 **Pelton, R.**, Liu, J., Reactive Polyvinylamine-Graft-Tempo/Laccase Complex Giving Wet Cellulose Adhesion. . 14th Fundamental Research Symposium, Cambridge, England, 2013
- 287 **Pelton, R.**, Design Rules for Adhesive Microgels. Adhesion 13, University of York, England, September 6, 2013.
- 286 **Pelton, R.**, Nalco-Mcmaster Collaboration Opportunities. Hamilton, July 23, 2013
- 285 **Pelton, R.**, Enzyme/Polyelectrolyte Complexes as Surface Oxidants and Adhesion Primer Polymers at Interfaces, Bristol, England, 2013.
- 284 **Pelton, R.**, A Decade of Fun with Polyvinylamine. University of Sheffield June 25, 2013
- 283 **Sicard, C.**, Glen, C.; Todic, A.; Norman Shek; Filipe, C.; Pelton, R.; Brennan, J. D., Bioactive Paper for Environmental Applications. CIC Annual Conference, Quebec City, May 29, 2013.
- 282 May 27 CIC Quebec - Reactive polyvinylamine-graft-TEMPO/laccase complex giving wet cellulose adhesion. *J. Liu and R. Pelton*
- 281 **Pelton, R.**, Bioactive Paper Opportunities for the Canadian Forest Products Sector. FIBRE Cornwall, Ontario, May 15, 2013
- 280 **Pelton, R.**, What Should We Do with Our Canadian Trees? Rotary Meeting, Hamilton, Ontario, May 2, 2013.
- 279 **Pelton, R.**, Alcon Research Update. Atlanta, April 30, 2013.
- 278 **Pelton, R.**, Bioactive Paper - Opportunities for the Paper Industry (30min). Tappi PAPER, Atlanta, April 29, 2013.
- 277 **Pelton, R.**, Sentinel Bioactive Paper Network. Linking Forestry and Oil and Gas to Advance the Bioeconomy (20 min), Edmonton, Alberta, April 24, 2013.
- 276 **Pelton, R.**, New Applications for Soft Nanoparticles. NIE Nano Technology Symposium, Mysore, India, February 20, 2013

- 275 **Pelton, R.**, Nanoparticle Applications in Mineral Processing. First Indo-Canadian Symposium on Nano-Science and Technology, Mysore, India, February 20, 2013.
- 274 **Pelton, R.**, Presentation to Specialty Minerals. Allentown PA, February 7, 2013.
- 273 **Pelton, R.**, Sentinel Bioactive Paper Network. Fibre Day, PAPTAC, Montreal, February 4, 2013.
- 272 **Pelton, R.**, Towards Paper-Based Point-of-Care Diagnostics. Alberta Centre for Advanced MNT Products ACAMP, Edmonton, December 6, 2012.
- 271 **Pelton, R.**, A Decade of Fun with Polyvinylamine. Ludwigshafen, November 20, 2012.
- 270 **Pelton, R.**, Opponent to Ormela Thesis December 6, 2012.
- 269 **Pelton, R.**, Design Rules for Paper Strength-Enhancing Microgels Aalto University, November 8, 2012.
- 268 **Pelton, R.**, Sentinel - the Path Ahead. Sentinel AGM, Toronto, 2012.
- 267 **Pelton, R.**, Bioactive Paper for Kerala_. Kerala Planning meeting, PIRI Hamilton, September 4, 2012
- 266 **Pelton, R.**, Highlights from the Sentinel Bioactive Paper Network. Disease Diagnostic and Instrument Development Workshop_, Edmonton August 28, 2012
- 265 **Pelton, R.; Leung, V.; Johnstone, S. C.; Xu, Y.; Filipe, C. D. M.**, Paper-Based Device for Pre-Concentration of Target Analytes. International Paper Physics Conference, June 12, 2012.
- 264 **Pelton, R.; Wen, Q.; Wang, Z.**, Reactive Microgels for Fiber Surface Engineering. International Paper and Coating Chemistry Symposium, Stockholm, June 12, 2012.
- 263 **Pelton, R.**, Microgels, a New Route to Getting More Glue into Paper Nippon Paper Industries Tokyo, May 14, 2013.
- 262 **Pelton, R.**, Sentinel Presentation to Board. Sentinel AGM, Niagara-on-the-Lake, May 10, 2012.
- 261 **Pelton, R.**, Sentinel Meeting Introduction. Sentinel AGM, Niagara-on-the-lake, May 9, 2012.
- 260 **Chen, M.**, Pelton, R., New Approaches for Characterizing and Stabilizing Ophthalmic Nano 259
Pelton, R., Bioactive Paper - a Potential Technology for Food Packaging and Handling. Loblaw's Brampton, April 25 2012.
- 258 **Pelton, R.; Yang, S.; Abarca, C.**, Vale Project Update. McMaster University, April 18, 2012.
- 257 **Pelton, R.**, Greener Approaches to Cellulose Oxidation -LeSueur Memorial Award Lecture. In *SCI/CIC Green, Clean, and Sustainable” Chemistry Seminar*, Hyatt Regency Hotel on March 29, 2012
- 256 **Pelton, R.**, The Canadian Paper Industry. In McMaster University, 2012
- 255 **Pelton, R.**, Sentinel Bioactive Paper Network. In *3M*, McMaster, 2012
- 254 **Pelton, R.**, Bioactive Paper - a Canadian Perspective. In *PAPTAC Annual Meeting*, Montreal, 2012
- 253 **Pelton, R.**, How I Write Papers. Chem. Eng. McMaster, Hamilton, January 12, 2012.
- 252 **Pelton, R.**, Bioactive Paper – a Canadian Perspective. In *Brazil Canada Video Conference*, 2011
- 251 **Pelton, R.**, Sentinel - What Kind of Products? NRCAN FPI Biopathways Meeting, Ottawa, December 7, 2011.
- 250 **Pelton, R.**, Chen, W., Polyvinylamine Boronate Adhesion to Wet Cellulose – Why Does It Stick.

- Polysaccharides as a Source of Advanced Materials, Turku, Finland, September 24, 2009
- 249 **Pelton, R.**, Bioactive Paper Sensors, 40 Min. MTM Conference 2011, Sarnia, November 3, 2010
- 248 **Pelton, R.**, Report to Sentinel Board. Sentinel Semi Annual Meeting, FPInnovations Montreal, October 27-28, 2011.
- 247 **Pelton, R.**, Nanoparticle Flotation Collectors - Balancing Hydrophobicity and Colloidal Stability. 61st Canadian Chemical Engineering Conference, London, Ontario, Oct. 24, 2011
- 246 **Pelton, R.**, Bob Pelton a Happy McMaster Researcher. Board of Governors Meeting, McMaster, October 20, 2011.
- 245 **Pelton, R.**, Sentinel Bioactive Paper Network. Joint Forest Products Network Meeting, Ottawa, October 18-19, 2011
- 244 **Pelton, R.**, McMaster/Basf Collaboration. BASF Project Review, McMaster University, October 7, 2011.
- 243 **Pelton, R.**, Yang, S.; Xu, M.; Dai, Z., Pelton, R.; Nanoparticle Flotation Collectors – Innovation from Collaboration. In Com 2011, the Canadian Institute of Mining, Metallurgy and Petroleum: Montreal, Montreal, October 4, 2011
- 242 **Pelton, R.**, New Alcon-McMaster Research Opportunities. Duluth Georgia, September 15, 2011
- 241 **Pelton, R.**, Bioactive Paper a Canadian Perspective. EPNOI, August 31, 2011
- 240 **Pelton, R.**, Adhesion to Wet and Dry Cellulose, 45 Min. Obo, Finland, August 25, 2011
- 239 **Pelton, R.**, PVAm Microgel Strength R&D. In *Packaging Team Meeting Agenda*, Downtown Hilton, Toronto 2011
- 238 **Pelton, R.**, Zhang, D.; Cui, Y., Phenyl boronic acid-diol complexes giving labile polyelectrolytes and self-assembly Beijing, China, June 8, 2011
- 237 **Pelton, R.**, Sentinel update. Sentinel Meeting, Nottawasaga Inn, Alliston, May 18, 2011
- 236 **Pelton, R.**, McMaster-Alcon update. Alcon Network Meeting, Fort Lauderdale, May 4, 2011
- 235 **Pelton, R.**, New polymers for wet-strength – an academic perspective Tappi PAPERCON, Cincinnati, May 3, 2011
- 234 **Pelton, R.**, Bioactive paper - a Canadian innovation. Seminar XRC, Mississauga, April 15, 2011
- 233 **Pelton, R.**, Confidential. Ecosynthetix, Burlington, April 13-14, 2011
- 232 **Pelton, R.**, Sentinel bioactive paper network - an introduction. SC Johnson, April 8, 2011.
- 231 **Pelton, R.**, Yang, S., Nanoparticle flotation collectors. Vale Research Consortium Meeting, Mississauga, Ontario, February 3, 2011.
- 230 Pelton, R., Yang, S., Nanoparticle collector project update. Vale, Mississauga, January 9, 2009.
- 229 Pelton, R., Yang, S., Nanoparticle collector project update. Vale, Mississauga, July 14, 2010.
- 228 Pelton, R., Yang, S., Introduction to nanoparticle flotation collectors. Cytec Stamford, November 4, 2010.
- 227 Pelton, R., Sentinel report to board and researchers. General Meeting, Niagara-on-the-Lake, Oct. 25, 2010
- 226 Pelton, R., Understanding hpg-borate interactions in the tear film. 2020 AGM, Horseshoe Valley, October 7, 2010.

- 225 Pelton, R., Pathogen detection in plastic packaging. Canadian Plastics Industry Association Planning Workshop for Industry-University Research Collaborations, Toronto Congress Centre, 650 Dixon Road, October 5, 2010
- 224 Pelton, R., Sentinel bioactive paper network. BASF Seminar, Ludwigshafen, August 20, 2010.
- 223 Pelton, R., Basf project update. Ludwigshafen, August 20, 2010.
- 222 Pelton, R., Sentinel Phase II - Stora Enso Sentinel Update, Stockholm, Sweden, August 18, 2010.
- 221 Pelton, R., Sentinel Phase II Site Visit. NSERC Review, McMaster University, July 29, 2010.
- 220 Pelton, R., Bioactive Paper: A Canadian Innovation. CIC Annual Conference, Toronto, May 31, 2010.
- 219 Pelton, R., Xu, Y.; Filipe, C. D. M., Microgel Inks For Bioactive Paper. Beijing University of Chemical Technology, May 23, 2010
- 218 Pelton, R., Xu, Y.; Filipe, C. D. M., Microgel inks for bioactive paper. Zhijiang University, Hongzhou, May 20, 2010.
- 217 Pelton, R., Yaqin, X.; Filipe, C. D. M., Microgel Inks For Bioactive Paper. 2nd Sino-Canadian Conference of Advanced Materials, Soochow University, Suzhou, China, May 14-15, 2010
- 216 Pelton, R., Understanding HPG-borate Interactions in the Tear Film. Alcon Partners Meeting, Fort Lauderdale, May 5, 2010.
- 215 Pelton, R., Controlling Colloid Stability with Temperature, Light, pH and Sugar. Department of Chemical Engineering, University of Aveiro, Portugal, April 7, 2010.
- 214 Pelton, R., Microgel-based inks for paper-supported biosensing applications. Aveiro Portugal, March 30, 2010
- 213 Pelton, R., Microgel-based inks for paper-supported biosensing applications. Instituto Superior Tecnico, Lisbon Portugal, March 11, 2010.
- 212 Pelton, R., Bioactive paper - a tool for water management. Indian Institute of Engineering, Bangalor, India, February 19, 2010.
- 211 Pelton, R., Bioactive paper – a tool for water management. National Institute of Engineering, Mysore India, February 17, 2010.
- 210 Pelton, R., Sentinel update. FPI, Pointe Claire, February 5, 2010.
- 209 Pelton, R., Novel Flotation Collectors, VALE-INCO Project Review, Mississauga, January 29, 2010.
- 208 Pelton, R., The deviant behavior of labile polyelectrolytes. Invited Seminar, Helsinki University of Technology, December 17, 2009
- 207 Pelton, R., Sentinel bioactive paper network. Reckitt Benckiser, Montvale, NJ, December 9, 2009
- 206 Pelton, R., Bioactive paper - an update. Wallenberg Wood Science Center Conference, Sodertuna Castle, Sweden, December 1-3, 2009
- 205 Pelton, R., The Sentinel Bioactive Paper Network. Nalco Chemical Company, Naperville, November 4, 2009.
- 204 Pelton, R., The sentinel bioactive paper network. Sara Lee, Chicago, November 4 2009.

- 203 Pelton, R., Bioactive paper - a Canadian perspective. Specialty Papers Conference, Embassy Suites Chicago, November 3 2009.
- 202 Pelton, R., Thermo-sensitive microgels – the long road from discovery to application in bioactive paper University of Western Ontario, London, October 29 2009.
- 201 Pelton, R., Paper research at McMaster University Meeting with Irving Paper, McMaster University, October 27 2009.
- 200 Pelton, R., McMaster Alcon project update. Gainesville, Florida, October 2 2009.
- 199i Pelton, R.; Chen, W. In Polyvinylamine boronate adhesion to wet cellulose – why does it stick, Polysaccharides as a Source of Advanced Materials, Turku, Finland, September 21-24, 2009; Turku, Finland, 2009.
- 198 Pelton, R. In Bioactive paper - a paper science perspective, 14th Fundamental Research Symposium, St. Anne's College, Oxford, September 13-18, 2009; St. Anne's College, Oxford, 2009.
- 197 Pelton, R. In McMaster-BASF project update, Ludwigshafen, Germany September 11, 2009; Ludwigshafen, Germany 2009.
- 196 Pelton, R.; Su, S.; Nutiu, R.; Filipe, C. D. M.; Li, Y. In Nanoparticles with immobilized biosensors for bioactive papers, 2009 International Conference on Nanotechnology for the Forest Products Industry, Edmonton, Alberta, June 23-26, 2009; Edmonton, Alberta, 2009.
- 195 Pelton, R. In Delivering new technologies to the forest products sector – a Canadian academic perspective, 2009 International Conference on Nanotechnology for the Forest Products Industry, Edmonton Alberta, June 23-26, 2009; Edmonton Alberta, 2009.
- 194 Pelton, R. In The deviant behavior of labile polyelectrolytes, ICSCS 2009, Columbia University, New York, June 14-19, 2009; Columbia University, New York, 2009.
- 193i Pelton, R. In Polyvinylamine microgels have interesting properties but are difficult to prepare, ICSCS 2009, Columbia University, New York, June 14-19, 2009; Columbia University, New York, 2009.
- 192 Pelton, R., Will polyvinylamine-phenylboronic strengthen wet webs. In 7th International Paper and Coating Chemistry Symposium, Chen, W.; Kroener, H., McMaster University, Hamilton, Canada, 2009.
- 191 Wang, J.; Pelton, R.; Filipe, C. D. M.; Veldhuis, L.; Hall, C. In Influence of paper surface chemistry on EISA detection, 7th International Paper and Coating Chemistry Symposium, McMaster University, Hamilton, Canada, June 10-12, 2009; McMaster University, Hamilton, Canada, 2009.
- 190 Pelton, R., The deviant behavior of labile polyelectrolytes. In Chemical Institute of Canada, Hamilton, Canada, 2009.
- 189 Pelton, R., Controlling polymer colloid flocculation with temperature, light, ph and sugar. In ISAP 2009, Keio University, Yokohama, Japan, 2009.
- 188 Pelton, R., Microgel-based inks for paper-supported biosensing applications. In Polymer Colloid Mini Symposium, Yamagata University, Yonezawa, Japan, 2009.
- 187 Pelton, R., The deviant behavior of labile polyelectrolytes – do we need a new theory. In Australian National University, Canberra, 2009.
- 186 Pelton, R., Sentinel presentation to Sun chemical, In New Jersey, 2009.

- 185 Pelton, R., Thermo-sensitive microgels – the long road from discovery to application in bioactive paper In McMaster University, 2009.
- 184 Robert Pelton
Thermo-sensitive Microgels – The long road from discovery to application in bioactive paper
University of Waterloo, November 14, 2008
- 183 Robert Pelton
My Memories of Professor Ron Ottewill
Bristol University, November 18, 2008
- 182 Robert Pelton
Thermo-sensitive Microgels – The long road from discovery to application in bioactive paper
Department of Chemical Engineering, University of Toronto, September 2008
- 181 Robert Pelton, Carlos D. M. Filipe, and Yingfu Li
Digital Fabrication of Bioactive Paper
NIP23, Pittsburg, September 2008
- 180 Robert Pelton
Microgel based inks for paper supported biosensing applications
Polymer Colloids, Prague, July 2008
- 179 Robert Pelton
Bioactive Papers – Sentinel Network
First International Conference on Bioactive Paper, Helsinki, June 2008
- 178 Robert Pelton
Bioactive Papers – Sentinel Network
Tappi Advanced Fundamental Coating Symposium, Montreal, June 2008.
- 177 Shunxing Su, Razvan Nutiu, Carlos D. M. Filipe, Yingfu Li, **Robert Pelton**
“MICROGEL-BASED INKS FOR PAPER-SUPPORTED BIOSENSING APPLICATIONS”
Particles 2008, Orlando, Florida, May 2008.
- 176 Robert Pelton
“Thermosensitive Microgels – The long road from discovery to application in bioactive paper”
Chemical Engineering, Distinguished Speaker Series, University of British Columbia, March 2008
- 175 Robert Pelton
“Academia’s Role in Revitalizing the Canadian Forest Products Industry”
Presentation to the Standing Committee on Natural Resources on “The unique opportunities and challenges facing the forest products industry”
Standing Committee of the Parliament of Canada, Ottawa, March 6 2008.
- 174 Robert Pelton
McMaster Alcon HPG Research
Alcon Laboratories, Fort Worth, TX, Feb. 2008
- 173 Robert Pelton
HPGG-borate Interactions with Cationic Polymers and Oligomers
Alcon Laboratories, Fort Worth, TX, Feb. 2008
- 172 Robert Pelton
“SENTINEL – Bioactive Paper Network”

- PAPTAC, Montreal, Feb. 2008
- 171 Robert Pelton
“SENTINEL – Bioactive Paper Network”
Ekman Days, Stockholm, Sweden, Jan. 2008
- 170 Robert Pelton
Bioactive Paper – How Close Are We?
Ahlstrom, Windsor Locks, Conn., Jan. 2008
- 169 Robert Pelton
Bioactive Paper – How Close Are We?
Cascade, Montreal, Dec. 2007
- 168 Robert Pelton
Bioactive Paper – a Canadian Perspective
Presentation of VTT, Edmonton Alberta, Nov. 2007
- 167 Robert Pelton
Polyvinylamine Research at McMaster University
BASF, Ludwigshafen, Nov. 19, 2007
- 166 Robert Pelton
Bioactive Paper – a Canadian Perspective
Nippon Paper, Tokyo, Oct.25, 2007
- 165 Xianhua Feng, Lou DiFlavio, Chuanwei Miao, and Robert Pelton
Adhesion to wet cellulose – Comparing linear polymers, polyelectrolyte complexes, microgels
and layer-by-layer assemblies
International Cellulose Conference, Tokyo, Oct. 24, 2007
- 164 Pelton, R., Polyvinylamine a new water soluble polymer platform. In Pharmacy Department,
University of Toronto, 2007.
- 163 Robert Pelton
“SENTINEL – Bioactive Paper Network”
3M London, May 2007
- 162 Robert Pelton
“Recent Developments in Paper Wet Strength”
Nalco Chemical Co., Naperville, May 2007
- 161 Robert Pelton
“SENTINEL – Bioactive Paper Network”
Nalco Chemical Co., Naperville, May 2007
- 160 Robert Pelton
“SENTINEL – Bioactive Paper Network”
Monash University, Australia, May 2007
- 159 Pelton, R., Adhesion to wet cellulose – design rules for polymers, peptides and proteins. In
Australian Colloid and Interface Symposium, Sydney, 2007.
- 158 Robert Pelton
“Paper Strength Enhancing Polymers”
KTH, Stockholm, Sweden, Dec. 2006.
- 157 Robert Pelton

- “Sentinel Bioactive Paper Network”
Stora Enso, Immatra Finland, Dec. 2006
- 156 Robert Pelton
“Paper Strength Enhancing Polymers”
Helsinki University of Technology, Dec. 2006
- 155 Robert Pelton
“McMaster/Alcon Project Update”
Alcon Laboratories, Fort Worth, Oct. 2006
- 154 Robert Pelton
“Can Bio/Nano Technology Save the Canadian Paper Industry?”
BMIR, Hamilton, Oct. 2006
- 153 Shunxing Su, Razvan Nutiu, Carlos D. M. Filipe, Yingfu Li, Robert Pelton
“Adsorption and Covalent Coupling of an ATP-binding DNA Aptamers onto Cellulose”
Tappi, Cincinnati, Sept. 2006
- 152 Robert Pelton
“Factors Influencing the Strength of Filled Papers”
International Paper Chemistry Conference, Stockholm, June 2006
- 151 Robert Pelton, Yi Wang, Xiaonong Chen
“Hydrophobically Modified Polyvinylamine”
CIC Annual Meeting, Halifax, May, 2006
- 150 Todd Hoare and Robert Pelton
“Glucose Sensing Microgels”
Particles 2006, Orlando, Florida, May 13-16.
- 149 Robert Pelton
“The Challenges of Putting Biosensors on Paper”
International Conference on Nanotechnology for the Forest Products Industry, April 2006
Atlanta
- 148 Robert Pelton
“The Sentinel Network”
Trojan Technologies, London Ont., Mar 2006
- 147 Robert Pelton
“Polyvinylamine in Paper”
Hercules Research, Wilmington, DE, Feb 2006
- 146 Todd Hoare and Robert Pelton,
“Thermosensitive Microgels: Controlling Properties via Microstructure”,
Pacifichem 2005 Honolulu, December 2005
- 145 Robert Pelton
”How I Write Papers”
McMaster University, November 17, 2005
- 144 Robert Pelton
”Challenges of Integrating Nanotechnology with Biotechnology”
Road to the Future, National Science Foundation Sponsored Workshop, Atlanta, Sept.22, 2005

- 143 Robert Pelton
"Alcon Project Update"
Alcon Research Laboratories, Fort Worth, TX, Sept 26, 2005
- 142 Robert Pelton
"McMaster Project Update"
BASF Ludwigshafen, Sept. 19, 2005
- 141 Robert Pelton
"Using Peel as a Measure of Paper Surface Strength"
Pressure Sensitive Tape Council Meeting, Baltimore, May 3, 2005
- 140 Robert Pelton
"The Buckman/McMaster Project Update"
Buckman Laboratories, Nashville, April 19, 2005
- 139 Robert Pelton
"BASF Research at McMaster University"
BASF Ludwigshafen, Germany March 21, 2005
- 138 Robert Pelton
"The Wet Adhesion of Cellulose Films with Polyvinylamine"
Leipzig University, Leipzig, Germany, March 18, 2005
- 137 Robert Pelton
"The *SENTINEL* Research Network"
Ahlstrom Research, Lyon, France, March 10, 2005.
- 136 Robert Pelton and Todd Hoare
"Controlling Charge Distribution in Microgels"
Keio University, Yokohama, Dec.8, 2004.
- 135 Robert Pelton
"Adhesion Mechanisms in Paper"
Kyushu University, Fukuoka, Japan, Dec. 6, 2004
- 134 Robert Pelton
"Adhesion Mechanisms in Paper"
Tokyo University, Tokyo Japan, Dec. 3, 2004
- 133 Robert Pelton
"Understanding How PCC Influences The Strength Of Filled Papers"
Japan, Tokyo, Japan, Dec. 2, 2004
- 132 Robert Pelton
"Understanding How PCC Influences The Strength Of Filled Papers"
Nippon Paper Research, Tokyo, Japan, Dec. 1, 2004
- 131 Robert Pelton
"Sentinel- The Canadian Network for Bioactive Paper"
Nippon Paper Research, Tokyo, Japan, Dec. 1, 2004
- 130 Robert Pelton
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Nippon Paper Research, Tokyo, Japan, Dec. 1, 2004
- 129 Robert Pelton

- “Sentinel- The Canadian Network for Bioactive Paper”
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- 128 Robert Pelton
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Oji Paper Research, Tokyo, Japan, Nov. 29, 2004
- 127 Robert Pelton
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- 126 Robert Pelton
“Sentinel- The Canadian Network for Bioactive Paper”
Imerys Research, St Austell, UK, Nov. 2, 2004
- 125 Robert Pelton
“The Wet Adhesion of Cellulose Films with Polyvinylamine”
Oswald Symposium in Honor of Dieter Horn, Ludwigshafen, Ger. Oct. 15, 2004
- 124 Robert Pelton
”Sentinel- The Canadian Network for Bioactive Paper”
Spectra Inc., Santa Clara, CA, Oct. 5, 2004
- 123 Robert Pelton
”Polymer Adhesion to Hydrogels”
Founders Day Lecture in Honor of Terence Cosgrove, London England, April 21.
- 122 Todd Hoare and Robert Pelton
”Structure-Property Relationships in Thermosensitive Microgels”
University of Aveiro, Aveiro, Portugal, April 13, 2004.
- 121 Robert Pelton
”Paper Strength Enhancing Polymers – Adhesion to Hydrogels”
University of Aveiro, Aveiro, Portugal, April 13, 2004.
- 120 Robert Pelton
”Sentinel- The Canadian Network for Bioactive Paper”
Tembec, Temiscaming, Que., March 31, 2004
- 119 Robert Pelton
”Sentinel- The Canadian Network for Bioactive Paper”
Proctor & Gamble, Cincinnati, March 25, 200
- 118 Robert Pelton
”Paper Strength Enhancing Polymers”
Proctor & Gamble, Cincinnati, March 25, 2004
- 117 Robert Pelton
”Sentinel- The Canadian Network for Bioactive Paper”
International Paper Research, Sterling Forest NY, Feb 6 2004
- 116 Robert Pelton
”Sentinel- The Canadian Network for Bioactive Paper”
Papier Board Meeting, Dec 10, Pointe Claire
- 115 Robert Pelton
”Temperature Sensitive Microgels”

- Alcon Research, Fort Worth, Nov. 24, 2003
- 114 Robert Pelton
"Sentinel- The Canadian Network for Bioactive Paper"
Sun Chemical, New Jersey
- 113 Robert Pelton
"Interfacial Engineering in Pulp and Paper"
Appita Visiting Professor, Oct. 2003
Monash University
- 112 Robert Pelton*
Surface Chemistry in Papermaking – a short course
APPTA Monash University, Australia, Oct. 2003.
- 111 Robert Pelton*
Pulp and Paper Research at McMaster University
Monash University, Australia, Oct. 2003
- 110 Todd Hoare and Robert Pelton
Control of Functional Group Distributions in Thermosensitive Microgels
IACAS, Brazil. Sept. 2003
- 109 Robert Pelton and Chen Lu
Ideal Bridging Flocculation
IACAS, Brazil Sept. 2003
- 108 Robert Pelton
Calcium Carbonate Adhesion to Paper
Particles 2003, Toronto, August 25, 2003.
- 107 Robert Pelton
Paper Strength Enhancing Polymers
5th International Paper Chemistry Symposium, Montreal, June 19, 2003.
- 106 Robert Pelton
The Material Properties of Paper
BMIR, McMaster, May 22, 2003
- 105 Robert Pelton
Polyvinylamine Research at McMaster
BASF, Ludwigshafen, May 1, 2003
- 104 *Robert Pelton,
The Science and Technology of Antifoams
VH-Yeast Conference, Bonn April 28-29, 2003
- 103 *Robert Pelton
Factors influencing the treatment of paper with fluorochemical surfactants for grease-proof applications
Formulation Silicones et Fluorés, Lyon, Dec. 9, 2002
- 102 Robert Pelton
McMaster Research Update
Specialty Minerals Inc., Allentown, PA, Nov. 6, 2002.
- 101 *Robert Pelton

- Temperature Sensitive Microgels*
Alcon Laboratories, Fort Worth Texas, Oct. 31, 2002.
- 100 *Robert Pelton
Neutron Approaches to Some Problems in Colloid and Polymer Science
NRC Neutron Research Centre, Chalk River, August, 26, 2002.
- 99 *Robert Pelton
Wet and Dry Strength Polymers-Structures & Mechanisms
Ciba, Tarrytown, NY, June 25, 2002.
- 98 *Robert Pelton
Dispersed Air in Paper Pulps
PIRA Meeting, Vienna Austria, May 22, 2002
- 97 Robert Pelton
Adhesion to Paper
Xerox Research Centre, Mississauga, May 17, 2002
- 96 Robert Pelton
Wet and Dry Strength Polymers – Structures and Mechanisms
Empire State Paper Res. Assoc. Meeting, Allentown, May 15, 2002.
- 95 *Robert Pelton
Paper Research Highlights from McMaster University
Royal Inst. of Technology, Stockholm, Sweden, February 20, 2002.
- 94 *Robert Pelton
Recent Advances In Thermosensitive Microgel Particles
Invited, Department of Chemistry, McGill University, January 15, 2002.
- 93 *Robert Pelton
Linking the Properties of Adsorbed Polymers on Wet Fibers to Paper Strength
Invited, Kimberly Clark Research, Neenah, WI, January 18, 2002.
- 92 Robert Pelton
Linking the Properties of Adsorbed Polymers on Wet Fibers to Paper Strength
BASF, Ludwigshafen, Germany, November 15, 2001.
- 91 Robert Pelton
The Strength of Filled Paper
SMI, Research, Allentown, PA, August 15, 2001.
- 90 Robert Pelton
A Review of Paper Strength Work at McMaster
ONDEO-Nalco Research, Naperville, IL, June 26 2001.
- 89 *Robert Pelton
Pulp and Paper Research at McMaster University
Westvaco Research Centre, Laurel, MD, April 18 2001
- 88 *Robert Pelton
The Strength of Polymer-induced Colloidal Floccs - An Unsolved Problem
Chemical Engineering, University of Buffalo, September 26, 2001
- 87 *Robert Pelton
The influence of filler particle size and shape on paper strength

- Invited, PIRA Meeting, Heathrow, February 8, 2001.
- 86 *Robert Pelton
The link between paper properties and PSA performance
Invited, EcoSynthetix, Lansing MI, November 7, 2000
- 85 *Robert Pelton
Factors Controlling the Adhesion of Plastics to Paper
Invited, Sinopec Corporation, Beijing, China, September 26, 2000
- 84 Robert Pelton
A Comparison of SDS Interactions with PNIPAM Gels and Linear Polymers
International Chemical Thermodynamics Conference, Halifax, July 2000
- 83 Robert Pelton
The Influence of the Structure of Strength Enhancing Polymers on Paper Strength
University of Toronto, Chemical Engineering, June 23, 2000
- 82 Robert Pelton
The link between paper properties and PSA performance
3M Research, Minneapolis MN, May 25 2000.
- 81 *Jin. Zhang, Robert Pelton and Lars Wågberg
The influence of hydrophobic modification on the performance of paper-strength enhancing polymers.
Int. Symp on Environmentally Friendly and Emerging Technologies for a Sustainable Pulp and Paper Industry, Taipei, Taiwan, April 26, 2000.
- 80 *Robert Pelton
Towards Improved Ponderay Newsprint
Invited, Bowater, Ponderay, Wa, April 4, 2000
- 79 Robert Pelton
Mechanical Wood-pulps Program Highlights
NCE Board Meeting, Edmonton, Alberta, February 7, 2000
- 78 Robert Pelton
Only the Strong Colloidal Floccs Survive Papermaking,
Mid-Sweden University, Sundsvall, December 17, 1999.
- 77 Robert Pelton,
Only the Strong Colloidal Floccs Survive Papermaking
Helsinki University of Technology, December 15, 1999.
- 76 Robert Pelton
An overview of pulp and paper research at McMaster University
Obo Academy, Obo, Finland, December 13, 1999.
- 75 *Robert Pelton
Strength Enhancing Polymers
Hercules Research, Wilmington DE, Nov 4, 1999.
- 74 Robert Pelton
The Material Properties of Paper
Department of Material Science, McMaster University, Oct 18, 1999.

- 73 *Robert Pelton
Only the Strong Colloidal Floccs Survive Papermaking
Institute of Paper Science and Technology, Atlanta GA, Oct 8, 1999.
- 72 Robert Pelton
PEO Cofactor Chemistry
Nalco Research, Naperville, IL August 6, 1999.
- 71 *Robert Pelton
Surfactants, Foams and Air in Stock
PAPTAC Wet End Chemistry Short Course, Toronto
May 10, 1999
- 70 *Robert Pelton
McMaster Pulp and Paper Research - An Overview
3M Research, London Ont.
April 12, 1999
- 69 *Robert Pelton
Temperature Sensitive Colloidal Microgels
Chemistry Department, Louisiana State University, Baton Rouge
April 5, 1999
- 68 *Robert Pelton
Chemical Application, Use and Control in Brownstock Washing
Tappi BSW Short Course, Atlanta
March 3, 1999
- 67 *Robert Pelton
McMaster Pulp and Paper Research - An Overview
International Paper, Sterling Forest Laboratories
Feb. 26, 1999
- 66 Rongjuan Cong
PEO/Cofactor Interactions
NCE Paper Chemistry Workshop, McMaster
Feb. 16, 1999
- 65 Robert Pelton
Strength Enhancing Polymers for Mechanical Pulps
NCE Paper Chemistry Workshop, McMaster
Feb. 16, 1999
- 64 *Robert Pelton
Only the Strong(Colloidal Floccs) Survive (Papermaking)
Dow Distinguished Lecture, UBC, Chemical Engineering,
November 30, 1998
- 63 Robert Pelton,
Temperature Sensitive Colloidal Microgels
Hong Kong Polytechnique,
November 27, 1998
- 62 *Robert Pelton
Specialty Minerals Inc, Allentown PA

PCC Research at McMaster

June 8, 1998

- 61 *Robert Pelton
Hercules Chemical Corporation, Wilmington DE
An Overview of Research at McMaster
June 15, 1998
- 60 Robert Pelton
Nalco Chemical Company, Naperville, IL
An Overview of Research at McMaster
June 30, 1998
- 59 Robert Pelton
University of Toronto
An introduction to wet-end chemistry
March 5, 1998
- 58 *Robert Pelton
North Carolina State University
An overview of pulp and paper research at McMaster University
February 3, 1998
- 57 Robert Pelton
Abitibi-Consolidated Research Laboratory, Mississauga, ON
Grease-resistant Mechanical Pulp Papers
December 8, 1997
- 56 Robert Pelton
3M St. Paul Minnesota
An overview of pulp and paper research at McMaster University
November, 1997
- 55 *Robert Pelton
Japan PMC Inc., Research Laboratory
An overview of pulp and paper research at McMaster University
November, 1997
- 54 *Robert Pelton
Nippon Paper Central Research, Tokyo
An overview of pulp and paper research at McMaster University
October 20, 1997
- 53 Robert Pelton
SCA Research Laboratory, Sundsvall Sweden
“Towards Understanding the Fiber/fiber Bond”
September 17, 1997.
- 52 Robert Pelton
YKI (Swedish Surface Chemistry Institute), Stockholm
“Temperature sensitive colloidal microgels”
September 18, 1997
- 51 Robert Pelton
STFI (Swedish Pulp and Paper Research Institute), Stockholm

- “Floc Strength Measurements by Micromechanics”
September 19, 1997.
- 50 *Robert Pelton
Raisio Research, Oakville, ON
“Measuring Air Content and Controlling Defoamer Addition”
August 28, 1997
- 49 *Robert Pelton
TAPPI Brownstock Washing Short Course, Minneapolis, MI
“Chemical Application Use and Control”
June 2, 1997
- 48 Andrea Gibbs and Robert Pelton
NCE Annual Meeting, Toronto
“PCC Retention in Mechanical Pulps”
May 28, 1997
- 47 Zhuo Yang and Robert Pelton
NCE Annual Meeting, Toronto
“The Interaction of PEO with Cofactor”
May 28, 1997
- 46 *Robert Pelton
PIRA Wet-End Chemistry Short Course, Gatwick, UK
“On-line Measurement of Air Content of Stock”
May 28, 1997
- 45 *Robert Pelton
CPPA Wet-End Chemistry Short Course, Ottawa
“Surfactants, Foams, and Controlling Air in Pulp”
May 12, 1997.
- 44 *Robert Pelton
3M London Ontario
Pulp and Paper Research at McMaster University
November 5, 1996
- 43 Robert Pelton
3M St Paul Minnesota
“Grease Proofing Newsprint”
- 42 *Robert Pelton
CPPA Wet End Chemistry Course
Ottawa, May 12, 1997
- 41 *Robert Pelton
CNRS Grenoble
February 24, 1997
- 40 *Robert Pelton
Synergy in Research
Montreal, Oct 30, 1996

- 39 *Robert Pelton
 “Additives in Washing”, Pulp Washing Workshop
 Vancouver, Oct. 6 (1996).
- 38 Robert Pelton;
 “PCC retention”
 SMI, Allentown, PA, April 22, 1996
- 37 *Robert Pelton
 “Wet-end Chemistry”
 Avenor, Dalhousie, NB, May 1, 1996
- 36 *Robert Pelton
 “Emulsion Polymers/Polymer Colloids”
 Hilton Head Island, SC, Nov. 6-10 (1995).
- 35 *Robert Pelton
 “Temperature Sensitive Colloidal Microgels”
 Dept. Chem. Eng., U. of Illinois, Urbana, Oct. 10, 1995
- 34 *Robert Pelton
 “Surfactants and Foams”
 CPPA Wet-End Chemistry Short Course, Toronto, Sept. 18, 1995
- 33 *Robert Pelton
 “Wet-end Chemistry”
 Sonoco, Hartsville SC, Sept. 6, 1995
- 32 Robert Pelton
 “Is network flocculation correct?”
 Swedish Pulp and Paper Institute, June 21, 1995
- 31 *Robert Pelton
 “Colloid chemical aspects of polymer reaction engineering.”
 Polymer Reaction Engineering Short Course, Porto Carras, Greece, June 6, 1995
- 30 *Robert Pelton
 “poly(N-isopropylacrylamide) Microgels”
 Polymer Colloid Symposium, CIC meeting, Guelph, June, 1995
- 29 *Robert Pelton,
 “Polyethylene oxide as a retention aid”.
 Union Carbide Corporation, Bound Brook, NJ, May 29, 1995
- 28 *Robert Pelton
 “Wet-end Chemistry”
 Avenor, Thunderbay, Mar. 3, 1995
- 27 *Robert Pelton
 "Pulp and paper research at McMaster University"
 AMCOR (Australian Paper Company), Corporate Research Labs, Melbourne, Australia, March
 1, 1994.
- 26 Robert Pelton
 "Deinking research at McMaster University."
 ICI, Corporate Research, Melbourne, Australia, Feb 28, 1994

- 25 Robert Pelton
"Novel Cationic latexes"
Department of Chemistry, Melbourne University, Melbourne Australia, Feb 25, 1994
- 24 Robert Pelton
"Pulp and paper research at McMaster University"
Australian Pulp and Paper Research Institute, Department of Chemical Engineering, Monash University, Clayton, Australia, Feb 24, 1994.
- 23 Robert Pelton,
"Novel polymer applications in pulp and paper processing."
Department of Chemistry, Sydney University, Feb 9, 1994
- 22 *Robert Pelton,
"Fiber loss mechanisms in flotation deinking",
Beloit Research Center, Pittsfield MA, Dec. 14, 1993
- 21 Robert Pelton,
"Highlights of pulp and paper research at McMaster University",
ESPRI, SUNY, Syracuse, Dec. 15, 1993
- 20 Robert Pelton,
"Highlights of pulp and paper research at McMaster University",
Department of Chemical Engineering, University of Wisconsin, Madison, WI Dec. 2, 1993
- 19 Robert Pelton,
"Highlights of pulp and paper research at McMaster University",
Specialty Minerals Inc., Bethlehem, PA, Dec. 1, 1993
- 18 Robert Pelton,
"Highlights of pulp and paper research at McMaster University",
Institute of Paper Science and Technology, Georgia Institute of Technology, Atlanta, GA, Oct 14, 1993
- 17 Robert Pelton,
"Highlights of pulp and paper research at McMaster University",
Callaway Chemicals, Columbus, GA, Oct 13, 1993
- 16 Robert Pelton,
"Highlights of pulp and paper research at McMaster University",
Emerging Science and Technology in Pulp and Paper, McMaster University, Sept. 2, 1993
- 15 Robert Pelton,
"An overview of pulp and paper research at McMaster University"
Allied Colloids Corporate Research, Bradford, England, July 9, 1993
- 14 Robert Pelton and Beverley Wasmund
"Deinking Research at McMaster"
Presentation to CPPA Deinking Committee, Mississauga, May 1993.
- 13 Robert Pelton
"Pulp and paper research at McMaster University"
Invited seminar to Pulp and Paper Centre, UBC, Vancouver, May 1993

- 12 *Robert Pelton
"Pulp and paper research at McMaster University"
Invited seminar to Macmillan Bloedel Research, Vancouver, May 1993
- 11 Alex Chan and Robert Pelton
"The Permeability of Pulp Pads"
Graduate Student Seminars, Montreal, January 1993.
- 10 *Robert Pelton
"The colloid and surface chemistry of emulsion polymerization."
PVC Reaction Engineering - a Short Course, Burlington, May 1993.
- 9 Huining Xiao and Robert Pelton
"Retention Mechanisms with Poly(ethylene oxide) "
Graduate Student Seminars, Montreal, January 1993.
- 8 *Robert Pelton
"Novel Retention Aids for Mechanical Pulps"
Presentation to NCE Meeting, Thunderbay, September, 1992.
- 7 *Robert Pelton
"Pulp and Paper Research at McMaster University"
Presentation to SCA Research, Sundsvall, Sweden, May 1992.
- 6 *Robert Pelton
"Pulp and Paper Research at McMaster University"
Presentation to AB Tumba Bruk, Stockholm, Sweden, May 1992
- 5 *Robert Pelton
"Pulp and Paper Research at McMaster University"
Presentation to MoDo Research, Ornskoldsvik, Sweden, May 1992
- 4 *Robert Pelton
"Properties of air in pulp"
Presentation to STFI, Stockholm, Sweden, May 1992
- 3 *Robert Pelton
"Pulp and Paper Research at McMaster University"
UMIST, Pulp and Paper Center, Manchester, April 3, 1992.
- 2 *Douglas Keller and Robert Pelton
"Wet End Chemistry"
CPPA Papermaking Course, Sherbrooke, April 1992.
- 1 *Robert Pelton
"Deinking Printed Paper - An Overview"
SC Johnson, Racine, January 22, 1992.

Conference Presentations 1992-

- 200 Pelton, R., Jahanshahi-Anbuhi, S.; Henry, A.; Leung, V.; Sicard, C.; Pennings, K.; Brennan, J. D.; Filipe, C., Paper-Based Microfluidics with Erodible Polymeric Bridge Giving Controlled Release and Timed Flow Shutoff. ACS Spring Meeting, Dallas, March 20, 2014.

- 199 Pelton, R., Hu, Z.; Cranston, E. D.; Ng, R., Controlling Cellulose Nanocrystal Suspension Gelation with Polymers and Surfactants. ACS Spring Meeting, Dallas, TX, March 18, 2014.
- 198 **Hu, Z.**, Pelton, R.; Cranston, E. D., Tuning Interactions between Cellulose Nanocrystals (Cncs) Using Polysaccharides and Surfactants. AIChE, San Francisco, November 4, 2013
- 197 Sana Jahanshahi, Bioactive Paper, CIC Fredericton, 2013
- 196 Susan Shi, Novel Cellulose Oxidants, CIC, -Fredericton, 2013
- 195 **Wang, J.**, Filipe, C.; Brennan, J. D., Poster - the Effects of Paper Additives and Process Conditions on the Activity of Paper-Immobilized Antibodies. FIBRE, Cornwall, Ontario, May 15, 2013.
- 194 **Jahanshahi Anbuhi, S.**, Henry, A.; Leung, V.; Sicard, C.; Pelton, R.; Brennan, J. D.; Filipe, C., Automatic Time Dependent Flow Cut-Off System Using Rapid Dissolvable Polymer. FIBRE Meeting, Cornwall, Ontario, May 15, 2013.
- 193 **Pelton, R.**, Wen, Q., Design Rules for Adhesive Microgels. Polymer Networks 2012, Jackson Hole, Wyoming, 2012.
- 192 **Sato, T.; Ali, M. M.; Pelton, R.; Cranston, E.**, DNA Stickers Promote Polymer Adsorption onto Cellulose. International Paper and Coating Chemistry Symposium, Stockholm, June 12, 2012
- 191 **Mah, E.;** Pelton, R.; Ghosh, R., Paper Based Membrane Filters with Temperature Sensitive Permeability. International Paper Chemistry and Coating Conference, Stockholm, June, 2012
- 190 **Koivula, H.;** Brennan, J. D.; Pelton, R., Options for Printing Bioactive Materials on Paper. Sentinel AGM, Niagara-on-the-Lake, May, 2012.
- 189 **Anbuhi, S. J.;** Chavan, P.; Sicard, C.; Leung, V.; Hossain, S. M. Z.; Pelton, R.; Brennan, J. D.; Filipe, C. D. M., Speeding up the Capillary Flow in Paper-Based Fluidic Devices. Sentinel AGM, Niagara-on-the-Lake, May, 2012
- 188 **Wang, J.;** Pani, A.; Sush, S.; Brennan, J. D.; Pelton, R., Inkjet Printing and Characterization of Sol-Gel Derived Material onto Paper. Sentinel AGM, May, 2012.
- 187 **Ketelson, H.;** Chen, M.; Cui, Y.; Davis, J. W.; Pelton, R., Towards Photochemical Measurement of Nano-Emulsion Coalescence in the Tear Film. ARVO, Fort Lauderdale, May 6, 2012.
- 186 **Pelton, R.;** Yang, S.; Abarca, C., Nanoparticle Flotation Collectors – Science Behind a New Technology. IACIS, Sendai Japan, May 18, 2012.
- 185 **Mokhtari, H.;** Pelton, R.; Jin, L., Interaction of Galactose Modified Polyvinylamine with Lectin from Ricinus Communis Agglutinin. 2012.

- 184 **Pelton, R.**, Wen, Q., Microgels, a New Route to Getting More Glue into Paper. PAPTEC Annual Meeting, Montreal, 2012.
- 183 **Yang, S.**, Pelton, R., A Completely New Application for Nanoparticles - Nanoparticle Flotation Collectors. CSChE, London, Ontario, October 26, 2011.
- 182 **Yang, S.**, Pelton, R., Modeling Air Bubble Adhesion to Hydrophilic Particles Decorated with Hydrophobic Nanoparticles FAPPMS, Montreal, August, 2011.
- 181 **Sato, T.**, Pelton, R., DNA aptamer adsorption onto cellulose in cacl2 aqueous solution. ACS Colloid Symposium, Montreal June, 2011
- 180 **Wen, Q.**, Pelton, R., Designing microgels for wet paper strength. Seminar Day, McMaster, 2011.
- 179 **Wang, J.**, Pelton, R.; Brennan, J., Novel blocking agents from high throughput screening ACS Colloid Symposium, Montreal, June, 2011
- 178 **Cui, Y.**, Zhang, L.; Khanal, A.; Pelton, R.; Ketelson, H., Characterizing hydroxypropyl guar – borate interactions with model tear film components ACS Colloid Symposium, Montreal, 2011.
- 177 **Yang, S.**, Pelton, R.; Raegen, A.; Dalnoki-Veress, K.; Dai, Z.; Xu, M., Nanoparticle flotation collectors for mineral processing. ACS Colloid Symposium, Montreal, 2011.
- 176 Cui, Y., Pelton, R.; Cui, Y.; Zhang, L.; KETELSON, H.; Davis, J.; Meadows, D., Poster - enhancement of lipid stability in the eye by polymer depletion interactions. ARVO, Fort Lauderdale, May 3, 2011.
- 175 **Sato, T.**, Pelton, R., DNA aptamer adsorption onto cellulose in cacl2 aqueous solution Tappi Paper Con, Cincinnati, June, 2011
- 174 Abarca, C., Yang, S.; Pelton, R., Poster - the colloidal stability of novel nanoparticle flotation collectors. Seminar Day, McMaster University, April 18, 2011
- 173 **Wen, Q.**, Pelton, R., Designing microgels for wet paper strength. Seminar Day, McMaster, 2011.
- 172 Songtao Yang and Robert Pelton, Nanoparticle Flotation Collectors, 2011, McMaster University
- 171 **Xu, Y.**, Filipe, C.; Pelton, R., Smell-generating biosensor for detection of ATP, cells and DNA. Chemical Engineering Seminar Day, McMaster May, 2011.
- 170 **Xu, Y.**, Pelton, R.; Filipe, C., Controlling biotinylation of microgels and modeling streptavidin uptake. ACS Meeting, Anaheim, March 30, 2011
- 169 **Pelton, R.**, Zhang, D.; Thompson, K. L.; Armes, S. P., Controlling deposition and release of polyol-stabilized latex on boronic acid-derivatized cellulose. 241st ACS National Meeting, Anaheim, CA, March 27, 2011.

- 168 **Pelton, R.**, Ren, P., Polyvinylamine-graft-tempo adsorbs onto, oxidizes and covalently bonds to wet cellulose. 241st ACS National Meeting, Anaheim, Ca, March 30, 2011
- 167 Yuguo Cui, PolyMac at McMaster University, Dec 2010, Characterizing hydroxypropyl guar – borate interactions with model tear film components
- 166 Songtao Yang, Poster - Using Nanoparticles as Flotation Collectors, Polymac, Dec 6 2010.
- 165 Songtao Yang, Poster - Using Nanoparticles as Flotation Collectors, McMaster Innovation Showcase, June 2010.
- 164 Songtao Yang, Poster - Using Nanoparticles as Flotation Collectors, Particles 2010, May 25, Lake Buena Vista, Florida
- 163 Songtao Yang, Using Nanoparticles as Flotation Collectors, Poster, Seminar Day McMaster University, April 2010.
- 162 Zhang, D.; Pelton, R., Controlling Polymer and Nanoparticle Assembly by Three Independent Interactions ACS Meeting, San Francisco, 2010.
- 161 Khanal, A.; Pelton, R., American Chemical Society Meeting, San Francisco, 2010
- 160 Wen, Q., Pelton, R., Designing microgels for wet paper strength. PAPTAC Annual Conference, Montreal February 4, 2010.
- 159 Wen, Q., Pelton, R., Poster - designing microgels for wet paper strength. PAPTAC Annual Meeting, Montreal, February 3, 2010.
- 158 Leung, V., Pelton, R.; Filipe, C., Streaming potential sensing in paper-based microfluidic channels. PAPTAC Annual Meeting Montreal, February 4, 2010.
- 157 Wang, X., Pelton, R.; Filipe, C., Poster - Paper-supported immunoassay – not all paper surfaces behave the same PAPTAC Annual Meeting, Montreal, February 3, 2010.
- 156 Wang, J., Pelton, R.; Filipe, C., Influence of paper surface chemistry on the activity of immobilized antibody. PAPTAC Annual Meeting, Montreal, February 4, 2010.
- 155 Leung, V., Pelton, R.; Filipe, C. D. M., Poster - Streaming potential sensing in paper-based microfluidic channels. PAPTAC, Montreal, Feb 3, 2010.
- 154 Pelton, R., Polyvinylamine boronate adhesion to wet cellulose – why does it stick. In PAPTAC Annual Meeting, Chen, W., Ed. Montreal, 2010.
- 153c Yuguo Cui, Poster 20/20 NSERC ophthalmic material network meeting in Toronto, Oct 2009, Characterization of a novel polymeric artificial tear delivery system
- 153b Yuguo Cui Poster PolyMac at McMaster University, Dec 2009, Characterization of a novel polymeric artificial tear delivery system

- 153 Chen, W., Boronic acid-grafted microgels wet adhesion to cellulose hydrogels. In 7th International Paper and Coating Chemistry Symposium, Leung, V.; Pelton, R., McMaster University, Hamilton, Canada, 2009.
- 152 Xu, Y., Microgel bioactive inks. In 7th International Paper and Coating Chemistry Symposium, Filipe, C. D. M.; Pelton, R., Eds. McMaster University, Hamilton, Canada, 2009.
- 151 Li, R. J., Photocatalytic paper. In 7th International Paper and Coating Chemistry Symposium, McMaster University, Hamilton, Canada, 2009.
- 150c Liang Zhang 15 May 2009 - title of my talk was "Adsorption of HPG on PS latex and Interaction of EOBO with Proteins" -
- 150b Chemical engineering departmental seminar at McMaster University, April 8th 2009, Hydroxypropyl guar (HPG) - A labile polyelectrolyte
- 150 Jingyun Wang, Robert Pelton, Linda J. Veldhuis, C. Roger Mackenzie, J. Christopher Hall and Carlos D. M. Filipe
Wet-Strength Resins and Surface Properties Affect Paper-Based Antibody Assays
Appita Meeting, Melbourne, Australia, April 2009
- 149 Robert Pelton
The streaming current detector (SCD) - What does it really tell us?
Appita Meeting, Melbourne, Australia, April 2009.
- 148b Cui, Y., Pelton, R., Hydroxypropyl guar (hpg) - a labile polyelectrolyte. PolyMac, McMaster University, December, 2008
- 148 Yuguo Cui and Robert Pelton
Deviant polyelectrolyte titration behavior of labile polyelectrolytes
ACS Meeting Philadelphia, August 2008
- 147 **Lucy Ye**, Carlos D. M. Filipe, Michael A. Brook, Robert Pelton
Targeted Flocculation and Killing of Bacteria with Antibody-TiO₂ Nanoparticles
ACS Meeting, Philadelphia, August 2008
- 146 **Dan Zhang**, Hiroo Tanaka, and Robert Pelton
“Polymer assembly exploiting three independent interactions”
ACS Meeting, New Orleans, April 2008.
- 145 Xianhua Feng, Dan Zhang and **Robert Pelton**, “Adhesion to wet cellulose – comparing adhesive layer-by-layer assembly to film casting” Adhesion Society Meeting, Austin TX, Feb. 2008
- 144 Lou DiFlavio and **Robert Pelton**, “The Mechanisms of Paper Wet Strength Enhancement with Macromolecules: A Review”, PAPTAC, Montreal Feb. 2008
- 143c Justin Hu, Presentation to Alcon, Oct. 15th 2007, Study of hydroxypropyl guar properties at solid-liquid interface.

- 143b Yuguo Cui, McMaster University, Oct 15th 2007, Tuning hydroxypropyl guar interactions with tear film component
- 143 Chuanwei Miao, Robert Pelton Xiaonong Chen, and Marc Leduc, “Microgels Versus Linear Polymers For Paper Wet Strength – Size Does Matter” Paper Physics Conference, Gold Coast Australia, May 2007
- 142 Shunxing Su and Robert Pelton, “Bovine Serum Albumin (BSA) as an Adhesive for Wet Cellulose” International Paper Chemistry, Stockholm, June 2006
- 141b Report to Alcon at McMaster University, Jun 2006, Tuning the hydroxypropyl guar interactions in the eye
- 141 Wei Chen and Robert Pelton, “Polyvinylamine boronate for Wet Adhesion” International Paper Chemistry, Stockholm, June 2006.
- 140 Chuanwei Miao and Robert Pelton, “Effect of Polyvinylamine Microgels on Paper Strength - handsheets testing” PAPTAC, Montreal, Feb 2006.
- 139 Lucy Ye, Michael Brook and Robert Pelton, “A Platform of Immobilization of Proteins on TiO₂ Nanoparticles” PAPTAC, Montreal, Feb 2006.
- 138 Yaling Xu, Xiaonong Chen, Nigel Sanders and Robert Pelton, “On How Polymers Strengthen Filled Papers” PAPTAC, Montreal, Feb. 2006
- 137 Shunxing Su and Robert Pelton, “Bovine Serum Albumin (BSA) as an Adhesive for Wet Cellulose”, Presentation, CSChE, Toronto, October 2005
- 136 Xianhua Feng and Robert Pelton, “Characterization of the Polyvinylamine Carboxymethyl Cellulose Complex Film and Its Mechanical Properties”, Presentation, CSChE, Toronto, October 2005
- 135 Todd Hoare and Robert Pelton, “Engineering Microgel Morphologies for Optimized Application Performance”, Poster, CSChE, Toronto, October 2005
- 134 Todd Hoare and Robert Pelton, “Glucose-Responsive Microgels for Drug Delivery and Biosensing”, Poster, CSChE, Toronto, October 2005
- 133 Lucy Ye and Robert Pelton, “Biotinylation of TiO₂ Nanoparticles and their Colloidal Stabilities”, Presentation, CSChE, Toronto, October 2005
- 132 Chuanwei Miao and Robert Pelton, “Study of the Effect of Polyvinylamine Microgels on Paper Strength”, Presentation, CSChE, Toronto, October 2005
- 131 Lou DiFlavio, Robert Pelton and Marc Leduc
 ”Polyvinylamine Adhesion to Wet Cellulose”
 Fundamental Research Symposium, Cambridge, UK, Sept 12, 2005

- 130 Boxin Zhao, Robert Pelton and Vasiliki Bartzoka
Adhesive/Paper Interactions Fundamental Research Symposium, Cambridge, UK, Sept 12, 2005
- 129 Boxin Zhao, Lulu Burstyn, Robert Pelton
"Polymer Adhesion to Cellulose Surfaces by Group Contribution Methods"
First Applied Pulp and Paper Molecular Modelling Symposium, Montreal, August 25, 2005.
- 128 Shunxing Su and Robert Pelton, "Bovine Serum Albumin (BSA) as an Adhesive for Wet Cellulose", Presentation, ACS Colloid Symposium, Potsdam, June 2005
- 127 Xianhua Feng and Robert Pelton, "Characterization of the complexes between polyvinylamine and carboxymethyl cellulose", Presentation, ACS Colloid Symposium, Potsdam, June 2005
- 126 Todd Hoare and Robert Pelton, "Multi-Responsive Microgels: Morphology Control for Optimized Applications", Presentation, ACS Colloid Symposium, Potsdam, June 2005
- 125 Lucy Ye and Robert Pelton, "Covalent Attachment of Biotin to TiO₂ Nanoparticles", Presentation, ACS Colloid Symposium, Potsdam, June 2005
- 124 Chuanwei Miao and Robert Pelton "The Synthesis of Polyvinylamine Microgels and their Effect on Paper Strength" Poster presentation, ACS Colloid Symposium, Potsdam, June 2005
- 123 Yaling Xu and Robert Pelton
"Strategies for Enhancing the Strength of PCC Filled Paper"
PAPTAC, Montreal, Feb 9, 2005.
- 122 Yaling Xu and Robert Pelton
"A New Look at How Fines Influence the Strength of Filled Papers"
PAPTAC, Montreal, Feb. 10, 2005
- 121 Boxin Zhao and Robert Pelton
"Using Peel as a Measure of Paper Surface Strength"
PAPTAC Graphic Art Conference, Vancouver, Oct 4, 2004.
- 120 Xin Li and Robert Pelton, "Studies on using proteins as wet strength additives of paper.", ACS meeting, Philadelphia, Aug. 22, 2004
- 119 Peter Chen and Robert Pelton, "Surface Activity and Colloidal Properties of Hydrophobically Modified Polyvinylamine in Aqueous Solution", ACS meeting, Philadelphia, Aug. 22, 2004
- 118 Boxin Zhao, Luis Anderson, Alison Banks and Robert Pelton, "Paper Properties Affecting Tape Adhesion -- Using Peel Test in Combination with Multivariate Regression Analysis", Adhesion Society Meeting, Wilmington NC, Feb 16 2004.
- 117 Xianhua Feng and Robert Pelton, "Complexation Between Polyvinylamine and Carboxymethyl Cellulose", Presentation and poster, PAPTAC, .Montreal, January 28, 2004
- 116 Lou DiFlavio and Robert Pelton, "Polyvinylamine Adhesion to Wet Cellulose", PAPTAC Poster Presentation, Jan 28, 2004
- 115 Lou DiFlavio and Robert Pelton, "Polyvinylamine Adhesion to Wet Cellulose", PAPTAC Seminar Presentation, Jan 28, 2004
- 114 Xiaonong Chen and Robert Pelton, "Phosphorous containing polyvinylamines", CSCHE Hamilton 2003.

- 113 Xiaonong Chen and Robert Pelton, “Hydrophobic Polyvinylamines”, CSChE Hamilton 2003
- 112 Todd Hoare and Robert Pelton, “Thermosensitive Microgels” CSChE Hamilton 2003.
- 111 Robert Pelton, Yaling Xu, Matthew Slozer and Nigel Sanders, “The Influence of Fillers on the Mechanical Properties of Paper”, Tappi Paper Physics Conference, Victoria BC, Sept 9 2003.
- 110 Chen Lu and Robert Pelton, 5th International Paper Chemistry Symposium, Montreal, June 17, 2003.
- 109 Boxin Zhao and Robert Pelton, 2002 Progress in Paper Physics Seminar, Rochester, Sept. 2002.
- 108 Todd Hoare and Robert Pelton, “Temperature Sensitive Microgels”, ACS Boston, Aug. 2002.
- 107 Chen Lu and Robert Pelton, “*PEO/peptide Aqueous Complexes*”, ACS Colloid Symposium, Ann Arbor, June 2002.
- 106 Todd Hoare and Robert Pelton, “Functional Group Distributions in Carboxylic Acid-Containing Poly(N-isopropylacrylamide) Microgels ”, ACS Colloid Symposium, Ann Arbor, June 2002.
- 105 Boxin Zhao and Robert Pelton, “Peeling Tapes from Paper”, ACS Colloid Symposium, Ann Arbor, June 2002.
- 104 Linda Li, Robert Pelton, and Andrea Collis, “A New Analysis Of Filler Effects On Paper Strength”, Tappi Paper Summit, Atlanta, March 5, 2002.
- 103 Boxin Zhao, Elaine Miasek and Robert Pelton, “Peeling PSA Tapes from Paper”, Adhesion Soc. Meeting, Orlando, February 13, 2001.
- 102 Robert Pelton and Jessie Hong, “Some Properties of Newsprint Impregnated With Polyvinylamine”, PAPTAC, Montreal January 29, 2002
- 101 Jingwen Xu, and Robert Pelton, “Wet Strength Resin Mechanisms”, McGill Graduate Student Conference, January 28, 2002.
- 100 Boxin Zhao and Robert Pelton, “ Peeling Tapes From Paper”, McGill Graduate Student Conference, January 28, 2002.
- 99 Robert Pelton, “Recent Advances In Thermosensitive Microgel Particles”, Pacific Polymer Conf., Oaxaca, Mexico, December 6, 2001.
- 98 Robert Pelton and Ted Flaherty, “Defoamers – Linking Fundamentals to Formulations”, Formula III, La Grande Motte, France, October 13, 2001
- 97 Robert Pelton and Chen Lu, “Polystyrene-poly(p-vinylphenol) Composite Latex Particles”, SML Copolymer, Poster, Luca Italy, June 4, 2001.
- 96 Robert Pelton, “New insights into antifoam mechanisms”, Soc. Industrial. Micro., Saint Louis, August 15, 2001.
- 95 Robert Pelton, “Paper Physics”, Physics Workshop, Guelph, April 23, 2001
- 94 Robert Pelton, Jin Zhang, Lars Wågberg, Mats Rundlöf, “The Effect Of Molecular Weight on the Performance Of Paper Strength Enhancing Polymers”, Tappi Papermakers Conference, Cincinnati March 13, 2001.
- 93 Boxin Zhao and Robert Pelton, “The adhesion of Pressure Sensitive Adhesive with paper”, Adhesion Soc. Conf., February 2001.
- 92 Linda Li and Robert Pelton, “The Influence of Fillers on Paper Delamination Energy”, Pulp and Paper Graduate Student Conference, McGill University, Montreal, January 29, 2001.

- 91 Chen Lu and Robert Pelton, "PEO Super Slurper", Pulp and Paper Graduate Student Conference, McGill University, Montreal, January 29, 2001.
- 90 Robert Pelton, Ted Flaherty, Andrew Hrymak and Nehad Shawafaty, "Video Observation Of Pulp Pad Formation And Properties In Brownstock Washing", PAPTAC, Montreal January 31, 2001
- 89 Robert Pelton, Ju Zhang, Robert Richardson and Terence Cosgrove, "Poly(N-isopropylacrylamide) at the air-water interface", Bristol, July 2000
- 88 Rongjuan Cong, Robert H. Pelton, Paul Russo, "The links between flocculation efficiency and the structure of complexes formed by PEO and poly(vinyl phenol –co-styrene sulfonate)" Bristol, July 2000
- 87 Jin Zhang, Robert Pelton, Lars Wågberg Mats Rundlöf, "The Influence of Hydrophobic Modification on the Performance of Paper Strength Enhancing Polymers", PCCS 2000 in Stockholm, June 2000
- 86 Robert Pelton, Jin Zhang, Lars Wågberg Mats Rundlöf, "The Influence of Polymers on Fiber/Fiber Bonds in Paper", PCCS 2000 in Stockholm, June 2000
- 85 Shisei Goto and Robert Pelton, "The link between the strength of filler flocs formed with retention aids and retention shear sensitivity", PCCS 2000 in Stockholm, June 2000.
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- 46 Anthony K.C. Yeung and Robert Pelton*, "Micromechanics: A New Approach to Studying the Strength and Breakup of Floccs", poster at ACS Orlando, Aug. 25-9 (1996)
- 45 Howard Ketelson, Michael Brook, and Robert Pelton, "Surface properties of hydrosilane modified silica colloids", ACS Orlando, Aug. 25-9 (1996)
- 44 Howard Ketelson, Y Heng, Michael Brook, and Robert Pelton, "Applications of microscopy imaging and analysis in the characterization of a model colloidal silica system", a poster at Microscopy and Microanalysis '96, Minneapolis, Aug. 11-15 (1996).
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