

Julie L. P. Jessop

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EDUCATION

- Ph.D., Chemical Engineering, December 1999
Michigan State University, East Lansing, MI
- B.S. with High Honors, Chemical Engineering, May 1994
Michigan State University, East Lansing, MI

EXPERIENCE

- Assistant Professor, University of Iowa, Iowa City, IA: 8/00-Present
- Visiting Assistant Professor, Michigan State University, East Lansing, MI: 1/00-6/00

AWARDS AND HONORS

- Most Outstanding Graduate Student, Department of Chemical Engineering, 1999
- MSU Excellence-in-Teaching Award, 1999
- J. J. Martin Award for the most outstanding Chemical Engineering Division paper presented at the ASEE 1999 Annual Conference
- National Science Foundation Graduate Fellowship, 1996-99
- Zonta International Amelia Earhart Fellowship, 1996 and 1997
- Engineering Education Scholars Program, University of Wisconsin-Madison, July 1996
- Best Poster Award, Annual CFMR/Industry Symposium, 1994 and 1999

PUBLICATIONS

Cai, Y., Jessop, J.L.P., "Free Radical Photopolymerizations," Encyclopedia of Polymer Science and Technology, 3rd edition, condensed, 2007.

Zou, Y., Armstrong, S.R., Jessop, J.L.P., "Apparent conversion of adhesive resin in the hybrid layer, part 1: Identification of internal standards for Raman spectroscopy and the effects of water storage," Journal of Biomedical Materials Research Part A, submitted 09/01/2006.

Zou, Y., Armstrong, S.R., Jessop, J.L.P., "Apparent conversion of adhesive resin in the hybrid layer, part 2: *In-situ* studies of the resin-dentin bond," Journal of Biomedical Materials Research Part A, submitted 09/01/2006.

Cai, Y., Jessop, J.L.P., "Decreased Oxygen Inhibition in Photopolymerized Acrylate/Epoxy Hybrid Polymer Coatings as Demonstrated by Raman Spectroscopy," Polymer, Vol. 47(19), 2006, pp. 6560-6566.

Armstrong, S.R., Jessop, J.L.P., Vargas, M.A., Zou, Y., Qian, F., Campbell, J.A., Pashley, D.H., "Effects of exogenous collagenase and cholesterol esterase on the durability of the resin-dentin bond," Journal of Adhesive Dentistry, Vol. 8(3), 2006, pp. 151-160.

- Armstrong, S.R., Jessop, J.L.P., Winn, E., Tay, F.R., Pashley, D.H., "Denaturation temperatures of dentin matrices. I. Effect of demineralization and dehydration," Journal of Endodontics, Vol. 32(7), 2006, pp. 638-641.
- Jessop, J.L.P., "When the biological clock is ticking faster than the tenure clock...", ASEE 2006 National Conference Proceedings, CD-ROM edition, June 2006.
- Cai, Y., Jessop, J.L.P., "Investigation of Inhibition Effects in Acrylate/Epoxide Hybrid Systems Using Raman Confocal Microscopy," RadTech 2006 e|5 Technology Conference Proceedings, CD-ROM edition, April 2006.
- Comer, C., Jessop, J.L.P., "Photoinitiated Emulsion Graft Polymerization of Synthetic Monomers to Starch," RadTech 2006 e|5 Technology Conference Proceedings, CD-ROM edition, April 2006.
- Kim, D., Jessop, J.L.P., "The role of water in photoinitiated cationic ring-opening photopolymerization of cyclohexane epoxides," RadTech 2006 e|5 Technology Conference Proceedings, CD-ROM edition, April 2006.
- Zou, Y., Armstrong, S.R., Jessop, J.L.P., "Using Raman spectroscopy to determine adhesive distribution in hybrid layer of dental bonding," RadTech 2006 e|5 Technology Conference Proceedings, CD-ROM edition, April 2006.
- Cai, Y., Jessop, J., "Effect of Water Concentration on Photopolymerized Acrylate/Epoxides Hybrid Monomer System by Raman Spectroscopy," Polymer Preprints, Vol. 47(1), 2006, pp. 490-491.
- Alcantar, J., Cai, Y., Jessop, J., "The effects of temperature, initiation light intensity, and photoinitiation systems on acrylate/epoxide hybrid photopolymerizations using Raman spectroscopy," Polymer Preprints, Vol. 47(1), 2006, pp. 585-586.
- Jessop, J.L.P., Peeples, T.L., "Engineering Problem Solving Design Project: Emergency/Homeless Shelter Design," ASEE 2005 National Conference Proceedings, CD-ROM edition, June 2005.
- Cai, Y., Jessop, J.L.P., "Real-time and Microscopic Investigations of Hybrid Photopolymerizations Using Raman Spectroscopy," Polym. Mat. Sci. and Eng., Vol. 92, 2005, pp. 668-669.
- Cai, Y., Jessop, J.L.P., "Free Radical Photopolymerizations," Encyclopedia of Polymer Science and Technology, Volume 10, 3rd edition, edited by J.I. Kroschwitz, John Wiley & Sons, Inc., 2004, pp. 807-837.
- Zou, Y., Armstrong, S.R., Jessop, J.L.P., "Determination of Adhesive Distribution in Dentin-Adhesive Bond Using Raman Microscopy," Polymer Preprints, Vol. 45(2), 2004, pp. 327-328.
- Brus, C., Zhao, L., Jessop, J., "Visual-Spatial Ability in First-Year Engineering Students: A Useful Retention Variable?," ASEE 2004 National Conference Proceedings, CD-ROM edition, June 2004.
- Cai, Y., Jessop, J.L.P., "Characterization of Hybrid Resin Systems Based on Epoxy and Acrylate Functionalities," RadTech 2004 e|5 Technology Conference Proceedings CD-ROM edition, May 2004.
- Zou, Y., Jessop, J., Armstrong, S., Vargas, M.A., "Adhesive infiltration and stability in hybrid layer after long-term storage," J. Dental Research, Vol. 83, Special Issue A, 2004, p. 1850.
- Campbell, J., Vargas, M.A., Armstrong, S., Laffoon, J., Jessop, J., "Ultramorphology of resin-dentin interface after long-term saliva storage," J. Dental Research, Vol. 83, Special Issue A, 2004, p. 485.
- Armstrong, S., Jessop, J., Vargas, M.A., Dawson, D., Larsen, M., Qian F., Laffoon, J., "Biodurability of resin-dentin bond after long-term saliva storage," J. Dental Research, Vol. 83, Special Issue A, 2004, p. 3945.

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- Soliman, M.M., Jessop, J., Khera, S., Koheil, S., "Ormocer: Study of Some Clinically Critical Properties," J. Dental Research, Vol. 83, Special Issue A, 2004, p. 644.
- Valentine, R., Hornbuckle, K., Stoner, J., Jessop, J., "Engineering Problem Solving I," ASEE 2003 North Midwest Regional Conference Proceedings CD-ROM edition, October 2003.
- Jessop, J.L.P., Armstrong, S.R., Zou, Y., "Raman Spectroscopy of Adhesive Resin in Dental Composites Bonded to Dentin," Polym. Mat. Sci. and Eng., Vol. 88, 2003, pp. 243-244.
- Jessop, J.L.P., "How to Grow Your Graduate Students: Mentoring Tips for New Professors," ASEE 2003 National Conference Proceedings, CD-ROM edition, June 2003.
- Winn, E., Armstrong, S.R., Jessop, J.L.P., Pashley, D.H., "Effect of Adhesive Solvents on the Denaturation Temperature of Dentin Collagen," J. Dental Research, Vol. 82, Special Issue A, 2003.
- Jessop, J.L.P., "Expanding Our Students' Brainpower: Idea Generation and Critical Thinking Skills," IEEE Antennas and Propagation Magazine, Vol. 40(6), 2002, pp. 140-144.
- Jessop, J.L.P., Goldie, S.N., Scranton, A.B., Blanchard, G.J., "Spectroscopic Characterization of Acid Generation and Concentration and Free Volume in 248-nm Chemically Amplified Resists," J. Vac. Sci. Technol. B, Vol. 20, 2002, pp. 219-225.
- Jessop, J.L.P., "Helping Our International Students Succeed in Communication," ASEE 2002 National Conference Proceedings CD-ROM edition, June 2002.
- Jessop, J.L.P., "Expanding Our Students' Brainpower: Idea Generation and Critical Thinking Skills," ASEE 2002 National Conference Proceedings, CD-ROM edition, June 2002.
- Winn, E., Armstrong, S.R., Jessop, J.L.P., Pashley, D.H., Vargas, M.A., "Dentin Collagen Thermal Stability: A Preliminary Study," J. Dental Research, Vol. 81, Special Issue A, 2002, p. A-236, Abstract #2598.
- Jessop, J.L.P., Goldie, S.N., Scranton, A.B., Blanchard, G.J., "Spectroscopic characterization of acid mobility in 248-nm chemically amplified resists," Polym. Mat. Sci. and Eng., Vol. 82, 2000, pp. 48-49.
- Jessop, J.L.P., Goldie, S.N., Scranton, A.B., Blanchard, G.J., Rangarajan, B., Okoroanyanwu, U., Subramanian, R., Templeton, M.K., "Spectroscopic Characterization of Acid Mobility in Chemically Amplified Resists," Advances in Resist Technology and Processing XVII, Vol. 3999, 2000, pp. 161-170.
- Jessop, J.L.P., Goldie, S.N., Scranton, A.B., Blanchard, G.J., "Characterizing Acid Mobility in Chemically Amplified Resists via Spectroscopic Methods," AICHE National Conference Proceedings, November 1999.
- Scranton, A.B., Russell, R.M., Basker, N., Jessop, J.L.P., Scranton, L.C., "Teaching Material and Energy Balances on the Internet," ASEE National Conference Proceedings CD-ROM edition, June 1999.
- Jessop, J.L.P., Goldie, S.N., Scranton, A.B., Blanchard, G.J., Rangarajan, B., Capodici, L., Subramanian, R., Templeton, M.K., "Characterizing Acid Mobility in Chemically Amplified Resists via Spectroscopic Methods," Advances in Resist Technology and Processing XVI, Vol. 3678, 1999, pp. 914-922.
- Jessop, J.L., Blanchard, G.J., Scranton, A.B., "In Situ Cure Monitoring Using Fiber Optic Fluorescence Sensors," Radtech Report, Vol. 12(4), 1998, pp. 27-32.

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Jessop, J.L.P., Briedis, D.M., "Engaging Middle-Schoolers With Engineering Demos," North Central Section ASEE Conference Proceedings, Dearborn, MI, April 1998.

Jessop, J.L., Scranton, A.B., Blanchard, G.J., "*In-situ* Cure Monitoring of a Vinyl Ester Polymer Using Fiber Optic Fluorescence Sensors," *Polym. Mat. Sci. and Eng.*, Vol. 72, 1995, pp. 58-59.

PRESENTATIONS

(Boldface denotes the selected speaker for each particular presentation.)

C. Comer, D. Weber, J.L.P. Jessop, "Comparison of Soxhlet Extraction and Back-Flush Filtration for Removal of Homopolymer from Starch-g-PMMA Synthesized with and without Photoinitiator," AIChE 2006 Annual Meeting, San Francisco, CA, 11/17/06.

J.J.G. Alcantar, Y. Cai, Y., J.L.P. Jessop, "Effects of Temperature and UV Light Intensity on Acrylate/Epoxide Hybrid Photopolymerization Using Raman Spectroscopy," Poster presentation at AIChE 2006 Annual Meeting, San Francisco, CA, 11/13/06. (Best Poster Award)

J.L.P. Jessop, "Inhibition Effects in Photopolymerized Acrylate/Epoxide Hybrid Polymer Coatings," Invited talk for DSM Desotech, Elgin, IL, 09/14/06.

J.L.P. Jessop, "Polymer Chemistry," Invited lecture in *Graduate Restorative Materials* (082:224) at the University of Iowa, Iowa City, IA, 08/30/06.

J.L.P. Jessop, "When the biological clock is ticking faster than the tenure clock...", ASEE 2006 Annual Conference, Chicago, IL, 06/20/06.

Y. Cai, J.L.P. Jessop, "Investigation of Inhibition Effects in Acrylate/Epoxide Hybrid Systems Using Raman Confocal Microscopy," RadTech 2006 e|5 Technology Conference, Chicago, IL, 04/25/06.

C. Comer, J.L.P. Jessop, "Photoinitiated Emulsion Graft Polymerization of Synthetic Monomers to Starch," Poster presentation at RadTech 2006 e|5 Technology Conference, April 2006.

D. Kim, J.L.P. Jessop, "The role of water in photoinitiated cationic ring-opening photopolymerization of cyclohexane epoxides," RadTech 2006 e|5 Technology Conference, Chicago, IL, 04/25/06.

Y. Zou, S.R. Armstrong, J.L.P. Jessop, "Using Raman spectroscopy to determine adhesive distribution in hybrid layer of dental bonding," RadTech 2006 e|5 Technology Conference, Chicago, IL, 04/24/06.

Y. Cai, J. Jessop, "Effect of Water Concentration on Photopolymerized Acrylate/Epoxides Hybrid Monomer System by Raman Spectroscopy," ACS National Spring Meeting, Atlanta, GA, 03/30/06.

J. Alcantar, Y. Cai, Y., J. Jessop, "The effects of temperature, initiation light intensity, and photoinitiation systems on acrylate/epoxide hybrid photopolymerizations using Raman spectroscopy," Poster presentation at ACS National Spring Meeting, Atlanta, GA, 03/26/06.

J.L.P. Jessop, "Peering into Polymer Time and Space with Raman Spectroscopy," Invited talk in the Optical Science & Technology Center seminar series at the University of Iowa, Iowa City, IA, 03/21/06.

C. Comer, J.L.P. Jessop, "Synthesis of Poly(butyl acrylate)-g-starch and Poly(styrene)-g-starch by Emulsion Photopolymerization to Produce Biodegradable Copolymers from Corn Starch," AIChE 2005 Annual Meeting, Cincinnati, OH, 11/04/05.

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- Y. Cai, J.L.P. Jessop**, "Investigation of Chemical Composition and Physical Properties of Photopolymerized Hybrid Resin Coatings," AICHE 2005 Annual Meeting, Cincinnati, OH, 11/03/05.
- J.L.P. Jessop**, "How to Grow Your Graduate Students (Mentoring Tips)," AICHE 2005 Annual Meeting, Cincinnati, OH, 11/01/05.
- J.L.P. Jessop, T.L. Peeples**, "Engineering Problem Solving Design Project: Emergency/Homeless Shelter Design," ASEE 2005 Annual Conference, Portland, OR, 06/15/05.
- Y. Cai, J.L.P. Jessop**, "Real-time and Microscopic Investigations of Hybrid Photopolymerizations Using Raman Spectroscopy," ACS National Spring Meeting, San Diego, CA, 03/17/05.
- Jessop, J.L.P.**, "Polymer Chemistry," Invited lecture in *Graduate Restorative Materials* (082:224) at the University of Iowa, Iowa City, IA, 02/21/05.
- J.L.P. Jessop**, "*In-situ* Characterization of Photopolymer Systems," Invited talk in *Exploring New Horizons in Spectroscopic Methods for Chemical, Biotech and Pharmaceutical Research: A Technical Information Session*, Des Plaines, IL, 11/04/04.
- Y. Zou, S.R. Armstrong, J.L.P. Jessop**, "Determination of Adhesive Distribution in Dentin-Adhesive Bond Using Raman Microscopy," ACS National Fall Meeting, Philadelphia, PA, 08/23/04.
- C. Brus, L. Zhao, J. Jessop**, "Visual-Spatial Ability in First-Year Engineering Students: A Useful Retention Variable?," ASEE 2004 Annual Conference, Salt Lake City, UT, 06/21/04.
- Y. Cai, J.L.P. Jessop**, "Characterization of Hybrid Resin Systems Based on Epoxy and Acrylate Functionalities," RadTech 2004 e|5 Technology Conference, Charlotte, NC, 05/03/04.
- Y. Zou, J. Jessop, S. Armstrong, M.A. Vargas**, "Adhesive infiltration and stability in hybrid layer after long-term storage," Poster presentation at the IADR 82nd General Session, Honolulu, HI, 03/12/04.
- J. Campbell, M.A. Vargas, S. Armstrong, J. Laffoon, J. Jessop**, "Ultramorphology of resin-dentin interface after long-term saliva storage," Poster presentation at the IADR 82nd General Session, Honolulu, HI, 03/11/04.
- S. Armstrong, J. Jessop, M.A. Vargas, D. Dawson, M. Larsen, F. Qian, J. Laffoon**, "Biodurability of resin-dentin bond after long-term saliva storage," Poster presentation at the IADR 82nd General Session, Honolulu, HI, 03/13/04.
- M.M. Soliman, J. Jessop, S. Khera, S. Koheil**, "Ormocer: Study of Some Clinically Critical Properties," Poster presentation at the IADR 82nd General Session, Honolulu, HI, 03/11/04.
- J.L.P. Jessop**, "*In-situ* and Real-time Characterization of Photopolymer Systems," Invited talk in the Analytical Chemistry seminar series at the University of Iowa, Iowa City, IA, 11/21/03.
- J.L.P. Jessop**, "It All Started With a Few Bright Ideas...," AICHE 2003 Annual Meeting, San Francisco, CA, 11/20/03.
- J.L.P. Jessop**, "Investigations of Hybrid Photopolymerizations Using Raman Spectroscopy," AICHE 2003 Annual Meeting, San Francisco, CA, 11/17/03.
- J.L.P. Jessop**, "Engineering Problem Solving I," ASEE 2003 North Midwest Regional Conference, Ames, IA, 10/10/03.
- J.L.P. Jessop**, "How to Grow Your Graduate Students: Mentoring Tips for New Professors," ASEE 2003 Annual Conference, Nashville, TN, 06/24/03.
- J.L.P. Jessop**, "Raman Spectroscopy of Adhesive Resin in Dental Composites Bonded to Dentin," ACS National Spring Meeting, New Orleans, LA, 03/25/03.

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- E. Winn, S.R. Armstrong, S.R., J.L.P. Jessop, D.H. Pashley,** “Effect of Adhesive Solvents on the Denaturation Temperature of Dentin Collagen,” Poster presentation at the AADR 32nd Annual Meeting, San Antonio, TX, 03/15/03.
- J.L.P. Jessop,** “*In-situ* and Real-time Characterization of Photopolymer Systems,” Invited talk in the Chemical & Biological Engineering seminar series at Iowa State University, Ames, IA, 01/30/03.
- J.L.P. Jessop,** “Investigations of the Resin-dentin Bond in Dental Composites using Raman Spectroscopy,” AIChE 2002 Annual Meeting, Indianapolis, IN, 11/04/02.
- J.L.P. Jessop,** “Laying a Foundation: *Introduction to Literature Review and Proposal Writing*,” ASEE Summer School for Chemical Engineering Faculty, Boulder, CO, 07/28/02.
- J.L.P. Jessop,** “Helping Our International Students Succeed in Communication,” ASEE National Conference, Montreal, Quebec, 06/17/02.
- J.L.P. Jessop,** “Expanding Our Students’ Brainpower: Idea Generation and Critical Thinking Skills,” ASEE National Conference, Montreal, Quebec, 06/17/02.
- J.L.P. Jessop,** “*In-situ* Monitoring of Photopolymerization and Photopolymer Properties,” Invited talk at the Photopolymerization Fundamentals, Breckenridge, CO, 06/10/02.
- Jessop, J.L.P.,** “*In-situ* and On-line Characterization of Polymer Systems,” Invited talk in the Physical Chemistry seminar series at the University of Iowa, Iowa City, IA, 03/14/02.
- E. Winn, S.R. Armstrong, J.L.P. Jessop, D.H. Pashley, M.A. Vargas,** “Dentin Collagen Thermal Stability: A Preliminary Study,” Poster presentation at the IADR 80th General Session, San Diego, CA, 03/08/02.
- J.L.P. Jessop,** “Characterizing Acid Mobility in Chemically Amplified Resists via Spectroscopic Methods,” Invited talk in the Chemical Engineering seminar series at Kansas State University, Manhattan, KS, 05/16/00.
- Jessop, J.L.P.,** “Characterizing Acid Mobility in Chemically Amplified Resists via Spectroscopic Methods,” Invited talk in the Chemical & Biochemical Engineering seminar series at the University of Iowa, Iowa City, IA, 04/07/00.
- J.L.P. Jessop, S.N. Goldie, A.B. Scranton, G.J. Blanchard** “Spectroscopic characterization of acid mobility in 248-nm chemically amplified resists,” ACS National Spring Meeting, San Francisco, CA, 03/27/00.
- J.L.P. Jessop,** “Innovative Illustrations of Scientific Principles,” Invited workshop at Michigan State University, East Lansing, MI, 03/22/00.
- J.L.P. Jessop, S.N. Goldie, A.B. Scranton, G.J. Blanchard, B. Rangarajan, U. Okoroanyanwu, R. Subramanian, M.K. Templeton,** “Spectroscopic Characterization of Acid Mobility in Chemically Amplified Resists,” SPIE International Microlithography Conference, Anaheim, CA, 02/29/00.
- J.L.P. Jessop, S.N. Goldie, A.B. Scranton, and G.J. Blanchard,** “Characterizing Acid Mobility in Chemically Amplified Resists via Spectroscopic Methods,” AIChE Annual Meeting, Dallas, TX, 11/04/99.
- Jessop, J.L.P.,** “Characterizing Acid Mobility in Chemically Amplified Resists via Spectroscopic Methods,” Invited talk in the Chemical Engineering seminar series at Michigan State University, East Lansing, MI, 10/28/99.
- A.B. Scranton, J.L.P. Jessop, K.S. Padon, and E.W. Nelson,** “Spectroscopic Methods for Characterizing Photo-induced Reactions in Polymer Systems,” ACS National Fall Meeting, New Orleans, LA, August 1999.

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- A.B. Scranton**, R.M. Russell, N. Basker, J.L.P. Jessop, and L.C. Scranton, "Teaching Material and Energy Balances on the Internet," ASEE National Conference, Charlotte, NC, June 1999.
- J.L.P. Jessop, **S.N. Goldie**, A.B. Scranton, and G.J. Blanchard, "Characterizing Acid Mobility in Chemically Amplified Resists via Spectroscopic Methods," Poster presentation at the 13th Annual CFMR/Industry Symposium, East Lansing, MI, March 1999. (Best Poster Award)
- J.L.P. Jessop**, S.N. Goldie, A.B. Scranton, G.J. Blanchard, B. Rangarajan, L. Capodiecici, and R. Subramanian, "Characterizing Acid Mobility in Chemically Amplified Resists via Spectroscopic Methods," SPIE International Microlithography Conference, Anaheim, CA, March 1999.
- J.L.P. Jessop**, "*In-situ* and On-line Characterization of Polymer Systems," Invited talk in the Chemical Engineering seminar series at Colorado School of Mines, Golden, CO, March 1999.
- J.L.P. Jessop**, D.M. Briedis, "Engaging Middle-Schoolers With Engineering Demos," North Central Section ASEE Conference, Dearborn, MI, April 1998.
- J.L. Jessop**, A.B. Scranton, G.J. Blanchard, "*In-situ* Cure Monitoring for Composites Processing Using Fiber Optic Fluorescence Sensors," Poster presentation at the 10th Annual CFMR/Industry Symposium, East Lansing, MI, April 1996.
- J.L. Jessop**, A.B. Scranton, G.J. Blanchard, "*In-situ* Cure Monitoring for Composites Processing Using Fiber Optic Fluorescence Sensors," Poster presentation at the Composite Materials and Structures Center Spring Symposium, Troy, MI, March 1996.
- J.L. Jessop**, A.B. Scranton, G.J. Blanchard, "*In-situ* Cure Monitoring for Composites Processing Using Fiber Optic Fluorescence Sensors," Poster presentation at the 11th Annual Advanced Composites Conference and Exposition, Dearborn, MI, November 1995.
- Jessop, J.L.**, Scranton, A.B., Blanchard, G.J., "*In-situ* Cure Monitoring for Composites Processing Using Fiber Optic Fluorescence Sensors," Poster presentation at the Composite Materials and Structures Center Spring Symposium, Troy, MI, May 1995.
- Jessop, J.L.**, Scranton, A.B., Blanchard, G.J., "*In-situ* Cure Monitoring for Composites Processing Using Fiber Optic Fluorescence Sensors," Poster presentation at the 9th Annual CFMR/Industry Symposium, East Lansing, MI, April 1995.
- J.L. Jessop**, A.B. Scranton, G.J. Blanchard, "*In-situ* Cure Monitoring of a Vinyl Ester Polymer Using Fiber-Optic Fluorescence Sensors," National ACS Spring Meeting, Anaheim, CA, April 1995.
- J.L. Jessop**, A.B. Scranton, G.J. Blanchard, "*In-situ* Cure Monitoring for Composite Processing Using Fiber Optic Fluorescence Sensors," Poster presentation at the 8th Annual CFMR/Industry Symposium, East Lansing, MI, April 1994. (Best Poster Award)

PATENTS

- G.J. Blanchard, J.L. Jessop, A.B. Scranton, "Apparatus for in situ, non-invasive polymer cure determination," US Patent #5707587, January 13, 1998.
- G.J. Blanchard, J.L. Jessop, A.B. Scranton, "Method and apparatus for in situ, non-invasive polymer cure determination," US Patent #5633313, May 27, 1997.

PROFESSIONAL AFFILIATIONS

- RadTech International, member since 9/01
- American Society for Engineering Education, member since 2/97
- American Chemical Society, member since 4/95

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- American Institute of Chemical Engineers, member since 1/94