

ANTHONY B. BRENNAN, PhD
Curriculum Vitae

Margaret A. Ross Endowed Professor of Materials Science & Engineering
Professor Biomedical Engineering
Associate Director of the Center for Macromolecular Science and Engineering
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EDUCATIONAL BACKGROUND:

Virginia Polytechnic Inst. and State Univ.	Materials Eng. Science	Ph.D.	1990
Rochester Institute of Technology	Chemistry	M.S.	1980
State University of New York @ Potsdam	Chemistry	B.A.	1975
Jefferson Community College	Liberal Arts	A.A.S.	1972

EMPLOYMENT:

2004-present	Trustee Emeritus, University of Florida
2003-2004	Chair, Faculty Senate
2003-2004	Trustee, University of Florida
2003-present	Margaret A. Ross Endowed Professorship
2000-2006	Graduate Coordinator, Biomedical Engineering
2001-present	Professor, Materials Science & Engineering (tenured)
2001-present	Professor, Biomedical Engineering Program
1995-2001	Associate Professor, Materials Science & Engineering (tenured)
1998-2001	Associate Professor, Biomedical Engineering Program (tenured)
1991-1995	Assistant Professor, Materials Science & Engineering (tenure accruing)
1987-1990	Graduate Project Assistant, Virginia Polytechnic Institute & State University, (non-tenure accruing)
1986-1987	Cerestore® Program Manager, Coors Biomedical Company
1983-1986	Senior Development Engineer/Supervisor, Coors Biomedical Company
1982-1983	Senior Development Engineer, Coors Biomedical Company
1980-1982	Project Manager, Rocky Mountain/Orthodontics
1978-1980	Chemist III, Rocky Mountain/Orthodontics
1977-1978	Visiting Instructor, Rochester Institute of Technology (Chemistry and CCE) (non-tenure accruing)
1975-1977	Graduate Teaching Assistant, Rochester Institute of Technology (non-tenure accruing)

RESEARCH INTERESTS:

Engineered Surfaces
Bioadhesion
Bioactive Surfaces
Inorganic/Organic Hybrid Materials
Interfaces in Composite Materials
Network Theory - Rubber Elasticity
Aging Processes in Polymers

ACADEMIC HONORS:

Honorary Doctor of Science, State University of New York, May 20, 2012
 2012 Commencement Address at Potsdam College, Potsdam, NY, May 20, 2012
 Visiting Scientist in SEACOAT European Community Training Network 2010-2014 (international activity)
 Distinguished Alumni SUNY at Potsdam – 2009
 Co-Chair - ZRG1 SBIB F15-D (20) – October 2009
 Chair – ZRG1 SBIB-V (52) – August 2009
 Permanent Member – Bioengineering, Technology and Surgical Sciences Study Section – 2007-2011
 Member - ZRG1 MOSS-L (03) – October 2009
 Florida Blue Key Distinguished Professor, University of Florida - 2007
 Visiting Member – Bioengineering, Technology and Surgical Sciences Study Section – 2006-2007
 Margaret A. Ross Endowed Professorship in Materials Science and Engineering – 2003-2014
 University of Florida Nominee for Lemelson-MIT Award: 2002
 Phillips Fellowship: 1988-90
 Johnson & Johnson Fellowship: 1987-90
 RIT GRA/Tuition Scholarship: 1975-77
 Dow-Corning Internship: 1988
 DuPont Young Faculty Awards: 1991, 1992, 1993
 MSE Outstanding Faculty Award: 1995, 1997, 1998, 2001

STUDENTS SUPERVISED:

	Doctor of Philosophy			
1.	Amanda B Napier	MSE	PhD	2019e
2.	Cary A. Kuliasha	MSE	PhD	2016
3.	Laura M. Villada	MSE	PhD	2016
4.	Clayton W. Argenbright	MSE	PhD	2016
5.	Joseph T. Decker	MSE	PhD	2014
6.	Angel A. Ejiasi	MSE	PhD	2012
7.	Scott P. Cooper	MSE	PhD	2011
8.	Jiun-Jeng Chen	MSE	PhD	2011
9.	Julian Sheats	MSE	PhD	2011
10.	David C. Jackson	MSE	PhD	2011
11.	Chelsea M. Magin	BME	PhD	2010
12.	Christopher Long	MTL	PhD	2009
13.	Shema Freeman (co-Chair)	MTL	PhD	2008
14.	James F. Schumacher	BME	PhD	2007
15.	Michelle L. Carman	BME	PhD	2007
16.	Marie C. Kissinger-Kane (co-Chair)	MSE	PhD	2007
17.	Thomas E. Estes	MSE	PhD	2005
18.	Leslie H. Wilson	MSE	PhD	2005
19.	Albina Mikhaylova (co-Chair)	BME	PhD	2004
20.	Clayton C. Bohn	MSE	PhD	2004
21.	Nikhil K. Kothurkar	MSE	PhD	2004
22.	Adam W. Feinberg	BME	PhD	2004
23.	Brian M. Hatcher	BME	PhD	2004
24.	Charles A. Seegert	BME	PhD	2002
25.	Jeanne Macdonald	MSE	PhD	2001
26.	Jeremy J. Mehlem	MSE	PhD	2001

27.	Nikhil K. Kothurkar	MSE	PhD	1999
28.	Luxsamee Plangsangmas	MSE	PhD	1999
29.	Rodrigo L. Orefice (co-Chair)	MSE	PhD	1997
30.	Jesse J. Arnold	MSE	PhD	1997
31.	Thomas M. Miller	MSE	PhD	1997
32.	Michael P. Zamora	MSE	PhD	1997

	Master of Science (Thesis):			
1.	Vishal Vignesh	MSE	MS	2018
2.	Yi Wei	MSE	MS	2018
3.	Francisco Castro Cara	MSE	MS	2014
4.	Amy L. Gibson (Lovelyady)	MSE	MS	2002
5.	James L. Seliga	MSE	MS	2007
6.	Brian M. Hatcher	BME	MS	2002
7.	Adam F. Feinberg	BME	MS	2002
8.	Wade R. Wilkerson	BME	MS	2001
9.	So-Hyun Park	MSE	MS	2000
10.	Lee Cheng Zhao	BME	MS/BS	2000
11.	Jeremy J. Mehlem	MSE	MS	1999
12.	Alexander J. Neeb	MSE	MS	1999
13.	Xiaomei Qian	MSE	MS	1999
14.	Jeanne M. MacDonald	MSE	MS	1998
15.	Jennifer L. Russo	MSE	MS	1998
16.	Mark W. Schwarz	MSE	MS	1998
17.	Shelia H. Rao	MSE	MS	1997
18.	Edward E. Carroll, III (dec.)	MSE	MS	1996
19.	Neil A. Graf	MSE	MS	1996
20.	Kai-Sheng Huang	MSE	MS	1996
21.	Luxsamee Plangsangmas	MSE	MS	1995
22.	Frederick Feller, III	MSE	MS	1993
23.	Thomas Miller	MSE	MS	1993
24.	Yiqun Wang	MSE	MS	1992
	Master of Engineering (Thesis)			
25.	Michelle Carman	MSE	ME	2003
26.	Timothy Jay Neal	MSE	ME	2006
27.	John Wainwright	MSE	MS	2004
	MS's (Non-Thesis):			
28.	Joseph Decker	MSE	MS	2012
29.	Bobby Dean Landreth	MSE	MS	2011
30.	Jiun-Jeng Chen	MSE	MS	2010
31.	Angel A. Ejiasi	MSE	MS	2010
32.	Scott Cooper	MSE	MS	2009
33.	Julian T. Sheats	MSE	MS	2009
34.	David Jackson	MSE	MS	2009
35.	Chelsea Magin	BME	MS	2008
36.	Christopher J. Long	MSE	MS	2007
37.	Kenneth K. Chung	MSE	MS	2007

38.	James Seliga	MSE	MS	2007
39.	James F. Schumacher	BME	MS	2006
40.	Michelle Carman	BME	MS	2004
41.	Thomas G. Estes	MSE	MS	2004
42.	Kiran Arun Karve	MTL	MS	2004
43.	Leslie H. Wilson	MSE	MS	2003
44.	Donald S. Hanson	MSE	MS	2001
45.	Darren F. May	MTL	MS	2000
46.	Xiaomei Qian	MTL	MS	1999

COLLABORATIONS:

Professor M. E. Callow, University of Birmingham, UK
 Professor J. A. Callow, University of Birmingham, UK
 Professor Michael Grunze, University of Heidelberg, Germany
 Professor A. Claire, University of Newcastle, UK
 Professor P. Antonelli, University of Florida, Gainesville, FL
 Professor J. DeSimone, University of North Carolina, Chapel Hill, NC
 Professor J. E. McGrath, Virginia Polytechnic Institute & State University, Blacksburg, VA
 Professor R. Oréface, Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brazil
 Professor R. Domingues, Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brazil
 Professor L. Hench, Imperial College of London, London, UK
 Professor G. Swain, Florida Institute of Technology, Melbourne, FL
 Professor P. Holloway, University of Florida, Gainesville, FL
 Professor K. B. Wagener, University of Florida, Gainesville, FL
 Professor J. Reynolds, University of Florida, Gainesville, FL
 Professor G. Butler, University of Florida, Gainesville, FL
 Professor K. Anusavice, University of Florida, Gainesville, FL
 Professor A. E. Clark, University of Florida, Gainesville, FL
 Professor J. Mecholsky, University of Florida, Gainesville, FL
 Professor K. Schanze, University of Florida, Gainesville, FL
 Professor P. Ifju, University of Florida, Gainesville, FL
 Professor B. Carroll, University of Florida, Gainesville, FL
 Professor R. Tran-Son-Tay, University of Florida, Gainesville, FL
 Professor B. Welt, University of Florida, Gainesville, FL
 Professor A. Marmur, Technion - Israel Institute of Technology, Haifa, Israel
 Professor G. Lopez, Duke, Durham, NC
 Professor A. Clare, Newcastle University, UK

US PATENTS:

1. “Antifouling Surfaces, methods of Manufacture thereof and Articles Comprising the Same,” Jiun-Jeng Chen and Anthony B. Brennan, United States Patent 9,045,651, Publication Date June 2, 2015.
2. “Surface Topography for Non-toxic Bioadhesion Control,” Anthony B. Brennan, Christopher James Long, Joseph W. Bagan, James Frederick Schumacher, Mark M. Spiecker, United States Patent, US9016221 B2, Publication Date April 28, 2015.
3. Surface Topography for Non-toxic Bioadhesion Control,” Anthony B. Brennan, Ronald H. Baney, Michelle L. Carman, Thomas G. Estes, Adam W. Feinberg, Leslie H. Wilson, James F. Schumacher, United States Patent, US8997672 B2, Publication Date April 2, 2015.

4. "Sol-gel derived bioactive glass polymer composite," B. Hatcher, A. B. Brennan, B. Cuevas, and C. Seegert, US Patent Office, USPTO No.: US 8337893 B2, Publication Date August 23, 2012.
5. "Surface Topographies for Non-toxic Bioadhesion Control," Anthony B. Brennan, Ronald H. Baney, Michelle L. Carman, Thomas G. Estes, Adam W. Feinberg, Leslie H. Wilson and James F. Schumacher, US Patent No. 7,650,848, January 26, 2010.
6. "Biocides based on silanol terminated silanes," R. H. Baney, Y. M. Kim, and A. B. Brennan, US Patent Office US Patent No. 7,347,970, issued March 25, 2008.
7. "Polyamide Graft Copolymers," Anthony B. Brennan, Christopher. Batich, Michael P. Zamora, and Kenneth B. Wagener, US Patent 7,169,853, January 30, 2007.
8. "Surface Topography for Non-toxic Bioadhesion Control," Anthony. B. Brennan, Ronald H. Baney, Michelle L. Carman, Thomas G. Estes, Adam W. Feinberg, Leslie H. Wilson, James F. Schumacher, United States Patent 7,143,709 B2, December 5, 2006.
9. "Dynamically Modifiable Polymer Coatings and Devices," Clayton C. Bohn, Anthony B. Brennan, and Ronald H. Baney, US Patent, 7,117,807 B2, October 10, 2006.
10. "Amino Acid Functionalized Polymers for Graft Copolymerizations," A. B. Brennan, M.P. Zamora, C. D. Batich and K. B. Wagener, US Patent No. 6,667,368, December 23, 2003.
11. "A Strain Sensitive Coating for Optical Strain Analysis," System," P. Ifju; K. Schanze; Y. Wang; J. P. Hubner; W. El-Ratal; A. Brennan; L. He; Y. Shen; B. Carroll; Bruce, US Patent No. 6,327,030, December 4, 2001.
12. "Bioactive Composites Based upon Silane Functionalized Thermoplastic Polymers," A.B. Brennan, R. L. Oréface, and M.P. Zamora, US Patent No. 6,399,693 B1, June 4, 2002.
13. "Silane Functionalized Polymers," A.B. Brennan, R.L. Oréface, and M.P. Zamora, UF Patent No. 1692, US Patent 6,380,307 April 2, 2002.
14. "Method for the Production of Scratch Resistant Articles and the Scratch Resistance Articles So Produced," R.W. Pryor, J. Adair, A. B. Brennan, and R. K. Singh, U.S. Patent No. 5,492,769, February 20, 1996.
15. "Use of Polymeric Catalyst in Synthesis of Sol-Gel Derived Ceramic Materials," A. B. Brennan and G. L. Wilkes, U.S. Patent No. 5,316,695, May 31, 1994.
16. "Paste Anhydride Hardener for Epoxy Model/Die Product," A. Brennan and E. Files, U.S. Patent No. 4,657,992, April 14, 1987.

FOREIGN PATENTS:

1. "Catheter for antimicrobial control and method of manufacturing thereof," Kenneth K. Chung, Anthony B. Brennan, Mark McCullough Spiecker, Ryan Stoneberg, Walter Scott Thielman, JP 2102-135807, Filed: June 15, 2011, Allowed December 15, 2016.
2. "Catheter for antimicrobial control and method of manufacturing thereof," Kenneth K. Chung, Anthony B. Brennan, Mark McCullough Spiecker, Ryan Stoneberg, Walter Scott Thielman, Australian Patent Appln. No. 2012203477, allowed November 28, 2016.

3. "Micropatterned intraocular implants," Kevin H. Cuevas, Shravanthi T. Reddy, Chelsea Marie Magin, Michael R. Mettetal, Anthony B. Brennan, Rhea Marie May, Ethan Eugene Mann, WO 2016022995 A3, Published on April 21, 2016
4. "Dynamically Modifiable Polymer Coatings and Devices," Clayton C. Bohn, Anthony B. Brennan, and Ronald H. Baney, EP 1716451, December 17, 2014.
5. "Method of patterning a surface and articles comprising the same," Joseph W. Bagan, Anthony B. Brennan, Kenneth K. Chung, and Mark M. Spiecker, New Zealand Patent 593291, January 29, 2013.
6. "Method of patterning a surface and articles comprising the same," Joseph W. Bagan, Anthony B. Brennan, Kenneth K. Chung, and Mark M. Spiecker, Japan Patent JP 5451768, November 19, 2014.
7. "Method of patterning a surface and articles comprising the same," Joseph W. Bagan, Anthony B. Brennan, Kenneth K. Chung, and Mark M. Spiecker, Chinese Patent ZL200980150044.X, November 19, 2014.
8. "Method of patterning a surface and articles comprising the same," Joseph W. Bagan, Anthony B. Brennan, Kenneth K. Chung, and Mark M. Spiecker, Filed: November 12, 2009, Published: October 26, 2012, EP 2364224 A2 (text from WO2010056824A2), Issued New Zealand Appln. No. 593291
9. "Surface Topography for Non-toxic Bioadhesion Control," Anthony B. Brennan, Ronald H. Baney, Michelle L. Carman, Thomas G. Estes, Adam W. Feinberg, Leslie H. Wilson, James F. Schumacher, Japan 9826724.8
10. "Dynamically Modifiable Polymer Coatings and Devices," Clayton C. Bohn, Anthony B. Brennan, and Ronald H. Baney, AU AU2005280637, August 2, 2011.
11. "Dynamically Modifiable Polymer Coatings and Devices," Clayton C. Bohn, Anthony B. Brennan, and Ronald H. Baney, Japan 4870578, December 25, 2011.

FILED PATENT APPLICATIONS:

1. "Patterns for flow control and bioadhesion control," Chelsea Marie Magin, Kevin Herbert Cuevas, Shravanthi T Reddy, Anthony B. Brennan, Rhea Marie May, Ethan Eugene Mann, Michael R. Mettetal, US2015/044238, Published April 28, 2015.
2. "Patterns for flow control and bioadhesion control," Chelsea Marie Magin, Kevin Herbert Cuevas, Shravanthi T Reddy, Anthony B. Brennan, Rhea Marie May, Ethan Eugene Mann, Michael R. Mettetal, WO 201602022933 A1, published February 11, 2016.
3. "Catheter for antimicrobial control and method of manufacturing thereof," Kenneth K. Chung, Anthony B. Brennan, Mark McCullough Spiecker, Ryan Stoneberg, Walter Scott Thielman, Filed: June 15, 2011, Published: December 20, 2012 US 20120319325 A1
4. "Surfaces for controlled bioadhesion, methods of manufacture thereof and articles comprising the same," Chelsea Magin, Anthony B. Brennan, EP WO 2011071892 A2, PCT/US2010/059246, Published October 20, 2011.
5. "Catheter for antimicrobial control and method of manufacturing thereof," Kenneth K. Chung, Anthony B. Brennan, Mark McCullough Spiecker, Ryan Stoneberg, Walter Scott Thielman, CA 2779987 A1 Filed: June 15, 2011, Published: December 15, 2012 US 20120319325 A1
6. "Catheter for antimicrobial control and method of manufacturing thereof," Kenneth K. Chung,

Anthony B. Brennan, Mark McCullough Spiecker, Ryan Stoneberg, Walter Scott Thielman, SK 2012-0064447, Filed: June 15, 2011, Pending

7. "Catheter for antimicrobial control and method of manufacturing thereof," Kenneth K. Chung, Anthony B. Brennan, Mark McCullough Spiecker, Ryan Stoneberg, Walter Scott Thielman, AU 2012-203477, Filed: June 15, 2011, Pending
8. "Surface Topography for Non-toxic Bioadhesion Control," Anthony B. Brennan, Ronald H. Baney, Michelle L. Carman, Thomas G. Estes, Adam W. Feinberg, Leslie H. Wilson, James F. Schumacher, US20100226943, App. Filed Aug31 ,2009 -Published Sep 9, 2010
9. "Surface Topography for Non-toxic Bioadhesion Control," Anthony B. Brennan, Ronald H. Baney, Michelle L. Carman, Thomas G. Estes, Adam W. Feinberg, Leslie H. Wilson, James F. Schumacher, US20100126404, App. - Filed Nov24 ,2009 -Published May 27, 2010
10. "Method of Patterning a Surface and Articles Comprising the Same," Joseph W. Bagan, Anthony B. Brennan, Kenneth K. Chung, and Mark M. Spiecker, US Patent Office, Patent Application Pub. No.: US 2010/0119755 A1 May 13, 2010.
11. "Method of Patterning a Surface and Articles Comprising the Same," Joseph W. Bagan, Anthony B. Brennan, Kenneth K. Chung, and Mark M. Spiecker, AU 2009/314119, Filed November 12, 2009, Published
12. "Method of Determining Positions for Settlement on a Textured Surface, Patterns for Minimizing Settlement and Articles Comprising the Same," A. Brennan and C. Long, Serial No. 61/225,416, Filing Date: July 14, 2009.
13. "Surface Topography for Non-toxic Bioadhesion Control," Anthony B. Brennan, Ronald H. Baney, Michelle L. Carman, Thomas G. Estes, Adam W. Feinberg, Leslie H. Wilson, James F. Schumacher, EP PCT/US2007/086289, WO 2008070625, July 31, 2008

PUBLICATIONS:

Books, Contributor of Chapter(s)

1. "Bio-Inspired Materials for Biomedical Engineering, Anthony B. Brennan and Chelsea M. Kirschner, Editors, John Wiley & Sons, New York, NY, ISBN: 978-1-118-36936-4, 400 pages, April 2014.
2. "Cellular Responses to Bio-Inspired Engineered Topography," Chelsea M. Kirschner, James F. Schumacher, Anthony B. Brennan, Chapter 5 in "Bio-Inspired Materials for Biomedical Engineering, Edited by Chelsea M. Kirschner and Anthony B. Brennan, Submitted August 23, 2013, ISBN: 978-1-118-36936-4, 400 pages, April 2014, Copyright © 2013 Wiley, Inc.
3. "Investigating the Energetics of Bioadhesion on Micro-engineered Siloxane Elastomers – Characterizing the Topography, Mechanical Properties and Surface Energy and its Effect on Cell Contact Guidance," Adam W. Feinberg, Amy L. Gibson, Wade R. Wilkerson, Charles A. Seegert, Leslie H. Wilson, Lee C. Zhao, Ronald H. Baney, James A. Callow, Maureen E. Callow, and Anthony B. Brennan, (American Chemical Society), ACS Symposia Series, Volume 838 (Synthesis and Properties of Silicones and Silicone-Modified Materials), 196-211 (2003).
4. "Glasses, Organic-Inorganic Hybrids," A. B. Brennan and T. Miller*, Kirt-Othmer Encyclopedia of Chemical Technology, Vol 12, edited by J. Kroschwitz, John Wiley Publications, Inc., New York, NY, 644-656 (1994). (Invited Chapter)

5. "Hybrid Organic-Inorganic Interpenetrating Networks," A. B. Brennan, T.M. Miller*, and R. B. Vinocur*, Hybrid Organic-Inorganic Composites, Ch 12, J. E. Mark, C.Y-C Lee, and P.A. Bianconi, Eds. (American Chemical Society, Washington, DC), 142-162 (1995).
6. "Novel Ti/PTMO and Zr/PTMO Hybrid CERAMER Materials By Sol-Gel Processing," A. B. Brennan, D. E. Rodrigues*, B. Wang*, and G. L. Wilkes, Chemical Processing of Advanced Materials, ed L. L. Hench and J. K. West, John Wiley & Sons, New York, NY, 807-814 (1992).
7. "Structure-Property Study of Hybrid Materials Incorporating Organic Oligomers Into Sol-Gel Systems," H. H. Huang*, R. H. Glaser*, A. B. Brennan, D. E. Rodrigues*, and G. L. Wilkes, in Ultrastructure Processing of Advanced Materials, Ed D. R. Uhlmann and D. R. Ulrich, John Wiley & Sons, Inc. New York, 425-438 (1992).

Refereed Publications: (74+1)

1. "Marine anti-biofouling efficacy of amphiphilic poly(coacrylate) grafted PDMS_e: effect of graft molecular weight," Cary Kuliasha, John Finlay, Sofia Franco, Anthony Clare, Shane Stafslie, Anthony Brennan, Biofouling, <http://dx.doi.org/10.1080/08927014.2017.128880>, accepted January 25, 2017.
2. "Micropatterned Endotracheal Tubes Reduce Secretion-Related Lumen Occlusion," Ethan Mann, Chelsea M. Magin, Anthony B. Brennan, Shrvanathi Reddy, Annals of Biomedical Engineering, 2016 Dec;44(12):3645-3654, DOI: 10.1007/s10439-016-1698-z.
3. "Evaluation of a bilayered, micropatterned hydrogel dressing for full-thickness wound healing," Exp. Biol and Med, Magin, Chelsea; Neale, Dylan; Drinker, Michael; Willenburg, Bradley; Reddy, Shrvanathi; La Perle, Krista; Schultz, Gregory; Brennan, Anthony, 241(9):986-95, May 2016. DOI:10.1177/1535370216640943.
4. "Gecko Adhesion on Wet and Dry Patterned Substrates," Stark, Alyssa Y., Palecek, Amanda M., Argenbright, Clayton W., Bernard, Craig, Brennan, Anthony B., Niewiarowski, Peter H., and Dhinojwala, Ali, PLoS ONE, Vol 10, Issue 12, p1-12, <http://dx.doi.org/10.1371/journal.pone.0145756>
5. "Biocomposites with tunable properties from poly(lactic acid)-based copolymers and carboxymethyl cellulose via ionic assembly," Chen, Nusheng, Tong, Zhaohui, Yang, Weihua, and Brennan, Anthony B., Carbohydrate Polymers, 128, 122-129, September 5, 2015, 10.1016/j.carbpol.2015.04.015.
6. "Micropatterned Protective Membranes Inhibit Lens Epithelial Cell Migration in Posterior Capsule Opacification Model," Magin, Chelsea M, May, Rhea M., Drinker, Michael C., Cuevas, Kevin H., Brennan, Anthony B., Reddy, Shrvanathi T., Trans. Vis. Sci. Tech. 2015; 4(2):9. doi: 10.1167/tvst.4.2.9
7. "An Micro-Patterned Surfaces for Reducing in vitro Bacterial Colonization and Biofilm Formation on Endotracheal Tubes," Rhea M May, Matthew G Hoffman, Melinda J Sogo, Albert E Parker, George A O'Toole, Anthony B Brennan and Shrvanathi T Reddy, Clinical and Translational Medicine accepted January 26, 2015. MS: 2615670351435791.
8. "Engineered antifouling microtopographies: surface pattern effects on cell distribution," Decker, Joseph; Sheats, Julian; Brennan, Anthony, Langmuir, 24 Nov 2014, DOI: 10.1021/la504215b

9. "An engineered micropattern to reduce bacterial colonization, platelet adhesion and fibrin sheath formation for improved biocompatibility of central venous catheters," Rhea M. May, PhD¹; Chelsea M. Magin, PhD¹; Ethan E. Mann, PhD¹; Michael C. Drinker, BS¹; John C. Fraser¹; Christopher A. Siedlecki, PhD²; Anthony B. Brennan, PhD³; and Shravanthi T. Reddy, PhD¹, *Clinical and Translational Medicine*, February 03, 2015. doi:10.1186/s40169-015-0050-9.
10. "Surface micropattern limits bacterial contamination," Ethan E Mann, Dipankar Manna, Michael R Mettetal, Rhea M. May, Elisa M. Dannemiller, Kenneth K. Chung, Anthony B. Brennan and Shravanthi T Reddy, *Antimicrobial Resistance and Infection Control*, September 17, 2014. Doi:10.1186/2047-2994-3-28.
11. "Micropatterned Protective Membranes Inhibit Lens Epithelial Cell Migration in Posterior Capsule Opacification Model," Chelsea Magin; Rhea M May, PhD; Michael C Drinker, BS; Kevin H Cuevas, MD; Anthony B Brennan, PhD, Shravanthi Reddy, PhD, *Translational Vision Science & Technology*, accepted February 2015.
12. "An Micro-Patterned Surfaces for Reducing in vitro Bacterial Colonization and Biofilm Formation on Endotracheal Tubes," Rhea M May, Matthew G Hoffman, Melinda J Sogo, Albert E Parker, George A O'Toole, Anthony B Brennan and Shravanthi T Reddy, *Clinical and Translational Medicine* April 16, 2014, 3:8 doi:10.1186/2001-1326-3-8.
13. "Engineered Antifouling Microtopographies: An Energetic Model that Predicts Cell Attachment," Decker, Joseph; Kirschner, Chelsea; Long, Christopher; Finlay, John; Callow, Maureen; Callow, James; Brennan, Anthony, *Langmuir*, September 17, 2013. //dx.doi.org/10.1021/la402952u.
14. "Bioinspired Antifouling Strategies," Chelsea M. Magin Kirschner and Anthony B. Brennan, *Annual Review of Materials Research*, Annu. Rev. Mater. Res. 2012. 42:8.1–8.19, DOI: 10.1146/annurev-matsci-070511-155012.
15. "An Ex Vivo Model for Suture-Less Amniotic Membrane Transplantation with a Chemically Defined Bioadhesive," Hiroki Tsujita, Anthony B. Brennan, Caryn E. Plummer, Naoki Nakajima, Suong-Hyu Hyon, Kathleen P. Barrie, Butch Sapp, Dave Jackson, Dennis E. Brooks, *Current Eye Research*, May 2012, Vol. 37, No. 5 , Pages 372-380 doi/10.3109/02713683.2012.663853
16. "Surface Modification of Silicate Glass Using 3-(Mercaptopropyl)trimethoxysilane for Thiol-Ene Polymerization," Jiun-jeng Chen, Kimberly Nicole Struk , and Anthony Brennan, *Langmuir*, DOI: 10.1021/la202225g, Publication Date (Web): August 26, 2011.
17. "Engineered antifouling microtopographies: kinetic analysis of the attachment of zoospores of the green alga *Ulva* to silicone elastomers," Scott P. Cooper, John A. Finlay, Gemma Cone, Maureen E. Callow, James A. Callow & Anthony B. Brennan, *Biofouling*, Volume 27, Issue 8, Pages 881-892, DOI:10.1080/08927014.2011.611305, September 1, 2011. [Link](#)
18. "Micro-patterned surfaces for reducing the risk of catheter-associated urinary tract infection," Reddy S, Chung KK, Mcdaniel CJ, et al., *Journal of Endourology* Volume: 24 Pages: A3-A3, Supplement 1, Published: SEP 2011
19. "Antifouling Performance of Crosslinked Hydrogels: Refinement of an Attachment Model," Chelsea M. Magin, John A. Finlay, Gemma Clay, Maureen E. Callow, James A. Callow, Anthony B. Brennan,

Biomacromolecules, Volume: 12 Issue: 4 Pages: 915-922 DOI: 10.1021/bm101229v Published: April 2011.

20. "Engineered antifouling microtopographies: the role of Reynolds number in a model that predicts attachment of zoospores of *Ulva* and cells of *Cobetia marina*," Chelsea M. Magin*, Christopher J. Long*, Scott P. Cooper*, Linnea K. Ista, Gabriel P. López and Anthony B. Brennan, *Biofouling*, Volume 26, Issue 6 August 2010 , pages 719 – 727, DOI: 10.1080/08927014.2010.511198.
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Abstracts:

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2. "Engineered surface designs for directed bio-settlement on topographies," Anthony Brennan, Chelsea Magin, Linnea Ista, Gabriel Lopez, Maureen Callow, John Findlay, and James A. Callow, 57th AVS International Symposium, Biomaterial Interfaces Division, Albuquerque, NM, October 17, 2010.
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9. "Attachment models for Predicting Marine Biofouling," Anthony B. Brennan, New Perspectives in Marine Anti-Fouling Research Symposium, Gothenburg, Sweden, November 18-20, 2009.

10. "Bioadhesion in Response to Engineered Topographies," Anthony B. Brennan, Gordon Research Conference, Adhesion, Science of, New London, NH, July 26-31, 2009.
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13. "Hybrid Bioceramics for Tissue Engineering: A Study of Composition and Topography," A.B. Brennan, 33rd International Conference & Exposition on Advanced Ceramics and Composites, January 18-23, 2009, Daytona Beach, Florida, Abstract ICACC-S5-041-2009, pg. 87 (2009).
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16. "Impact of Feature Size, Geometry, and Roughness of Engineered Surface Topographies on Colonization and Biofilm Formation of Marine Bacteria," Chelsea M. Magin*, Christopher J. Long*, Linnea K. Ista, Gabriel P. Lopez, and Anthony B. Brennan, The 14th International Congress on Marine Corrosion and Fouling, July 27-31, 2008, Kobe, Japan, Abstract 30A-2-5, pg. 19 (2008).
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34. "Synthesis of Poly(styrene-co-acrylonitrile) Macromonomers and Comb Polymers Using Chain Transfer Agents," M. P. Zamora* and A. B. Brennan, Graduate Research Polymer Conference, Blacksburg, VA, June 24, 1996.
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LECTURES, SPEECHES, OR POSTERS PRESENTED AT PROFESSIONAL CONFERENCES/MEETINGS:

1. Anthony B. Brennan, Bioinspired Concepts in Chemical-Mechanical Antifouling Systems, Office of Naval Research Biofouling/Coatings Review, Arlington, VA, December 6-8, 2016.
2. Cary Kuliasha, Clayton Argenbright, Patricia Bachler and Anthony Brennan, World Biomaterials Congress 2016, Montreal, Quebec, Canada, May 17-22, 2016 (Oral Presentation)
3. Chelsea M. Magin. "Engineered Biomaterial Interfaces for Controlling Biological Adhesion." Invited Oral Presentation. World Biomaterials Congress, Montreal, Canada, May 2016.
4. Chelsea M. Magin, Melinda J. Sogo, Mandi M. Ruud, Shrvanthi T. Reddy, Karin A. Payne and Anthony B. Brennan. "Micropatterned Biomaterials Facilitate Osteopromotion In Vitro." Poster Presentation. World Biomaterials Congress, Montreal, Canada, May 2016.
5. Anthony B. Brennan, "Sharklet- A Microtopographic Pattern to Control Bioadhesion Passively," Roundtable on Biomedical Engineering Materials and Applications, The National Academies, Washington, DC, October, 19, 2015 (Invited Oral Presentation).
6. Chelsea M. Magin, Michael C. Drinker, MiKayla M. Henry, Dylan B. Neale, Bradley J. Willenberg, Shrvanthi T. Reddy, Gregory S. Schultz and Anthony B. Brennan. "3D Printed Sharkskin for

Enhanced Interstellar Wound Healing.” Oral Presentation. 100 Year Starship Symposium, Santa Clara, CA, October 2015.

7. Chelsea M. Magin, Michael C. Drinker, Dylan B. Neale, Bradley J. Willenberg, Shrvanathi T. Reddy, Gregory S. Schultz, and Anthony B. Brennan. “Micropatterns Promote Cell Migration for Enhanced Epithelialization.” Oral Presentation. BioInterface Workshop & Symposium, Scottsdale, AZ, September 2015.
8. Chelsea M. Magin, Michael C. Drinker, Kevin H. Cuevas, Anthony B. Brennan, and Shrvanathi T. Reddy. “Micropatterned protective membranes inhibit human lens epithelial cell migration in posterior capsule opacification model.” Poster Presentation. The Association for Research in Vision and Ophthalmology Annual Meeting, Denver, CO May 2015.
9. “Copolymer Surface Grafting to Poly(dimethyl siloxane) Elastomer Surfaces for Controlling Bioadhesion,” Cary Kuliasha, Janna Royal, and Anthony B. Brennan, 2015 Annual Meeting of the Adhesion Society, Savannah, GA, February 20-25, 2015.
10. Chelsea M. Magin, Michael C. Drinker, Ethan E. Mann, Shrvanathi T. Reddy, Gregory S. Schultz and Anthony B. Brennan. “Biodegradable, Micropatterned Wound Dressings for Enhanced Epithelialization.” Oral Presentation. American Chemical Society Annual Meeting, Denver, CO March 2015.
11. “Non-Isocyanate Urethane Engineered Hydrogels For Anti-Fouling Applications,” Laura Villada, Canan Kizilkaya, and Anthony B. Brennan, 2015 Annual Meeting of the Adhesion Society, Savannah, GA, February 20-25, 2015.
12. “A New Model for Biofouling,” Anthony B. Brennan, 62nd AADR Sectional Meeting, University of Iowa, Iowa City, IA, February 10, 2015.
13. Chelsea M. Kirschner, Michael C. Drinker, Kevin H. Cuevas, Anthony B. Brennan and Shrvanathi T. Reddy. “Microtopographies Inhibit Human Lens Epithelial Cell Migration in Posterior Capsule Opacification Model.” Poster Presentation. Biomedical Engineering Society Annual Meeting. San Antonio, TX, October 2014.
14. Chelsea M. Kirschner, Rhea M. May, Ethan E. Mann, Jay Fraser, Christopher A. Siedlecki, Anthony B. Brennan and Shrvanathi T. Reddy. “Bio-inspired Microtopographies Reduce Thrombosis on Blood-Contacting Materials.” Oral Presentation. Surfaces in Biomaterials Foundation Biointerface 2014. Redwood City, CA, October 2014.
15. Rhea M. May, Chelsea M. Kirschner, Ethan E. Mann, Jay Fraser, Christopher A. Siedlecki, Anthony B. Brennan and Shrvanathi T. Reddy. “Micro-patterned surface improves hemocompatibility and reduces bacterial colonization: A novel approach to decreasing catheter-related thrombosis and blood stream infections.” Poster Presentation. Association for Vascular Access. National Harbor, MD, September 2014.
16. Chelsea M. Kirschner, Rhea M. May, Ethan E. Mann, Jay Fraser, Christopher A. Siedlecki, Anthony B. Brennan and Shrvanathi T. Reddy. “Bio-inspired, Engineered Microtopographies Reduced Platelet Adhesion and Activation on Blood-Contacting Materials.” Oral Presentation. Society for Biomaterials Annual Meeting. Denver, CO, April 2014.

17. "Bioinspired Concepts in Chemical-Mechanical Antifouling Systems," Anthony B. Brennan, Office of Naval Research, Annual Program Review, June 25-27, 2014, Charleston, SC.
18. "Anti-fouling strategies: Chemistry and Topography," Anthony B. Brennan, Naval Research Laboratories, Chemistry Division, Washington, D.C., July 10, 2014.
19. "Can thermodynamics predict settlement patterns on microtopographies?," Anthony B. Brennan, Biointerface 2013, Minneapolis, MN, October 7-8, 2013, Key Note - Invited Speaker.
20. "Bioinspired Concepts in Chemical-Mechanical Antifouling Systems," Anthony B. Brennan, Office of Naval Research, Annual Program Review, June 25-27, 2013, Arlington, VA.
21. "Bioinspired Antifouling Strategies," Anthony B. Brennan, North American Association of Fisheries Economists (NAAFE), Annual Meeting, May 21-24, 2013, TradeWinds Island Grand Resort, St. Petersburg, FL, USA, Invited Guest Speaker.
22. "SURFACE PROPERTIES OF AMPHIPHILIC HYDROGELS," Laura Villada, Angel Ejias, and Anthony B. Brennan, Department of Materials Science and Engineering, University of Florida, Gainesville, FL, Society of Biomaterials Biomaterials Day at UF, March 16, 2012: Poster
23. "Functionalizing Silica for Non-toxic Anti-fouling Purposes," Scott Brown, Dr. Anthony Brennan, and Dr. Scott Cooper, Department of Materials Science and Engineering, University of Florida, Gainesville, FL, Society of Biomaterials Biomaterials Day at UF, March 16, 2012: Poster
24. "EMBOSSING POLYETHYLENE FOR ANTIFOULING," John Parilla, Joe Decker, and Anthony B. Brennan, Department of Materials Science and Engineering, University of Florida, Gainesville, FL, Society of Biomaterials Biomaterials Day at UF, March 16, 2012: Poster
25. "Cell Response to Bioinspired Surfaces," Anthony B. Brennan, Department of Materials Science & Engineering, Gainesville, FL, Society of Biomaterials Biomaterials Day at UF, March 16, 2012: Lecture
2012March "A thermodynamic model to predict fouling," Joe T. Decker and Anthony B. Brennan, Materials Science & Engineering, University of Florida, Gainesville, FL, Society of Biomaterials Biomaterials Day at UF, March 16, 2012: Poster
26. "Pay attention to the journey," Anthony B. Brennan, Potsdam College 2012 Commencement Address, May 20, 2012: Lecture
27. "The Chemical-Mechanical Control of Marine Biofouling," Anthony B. Brennan, ONR Program Review, June 21-23, 2012, Seattle, WA: Lecture
28. "Engineered Microtopographies Direct Human Coronary Artery Cell Elongation and Orientation," Chelsea M. Magin, Adwoa Baah-Dwomoh, Michael Showalter, Mark S. Segal, Anthony B. Brennan, Society for Biomaterials 2011 Annual Meeting and Exposition, Poster 547, Orlando, FL, April 13-16, 2011.
29. "Bioactive galss-collagen scaffolds for treating infected bone," S. Cooper, M. Goude, K. Lim, M. So, and A. B. Brennan, Society for Biomaterials 2011 Annual Meeting and Exposition, Poster 762, Orlando, FL, April 13-16, 2011.

30. "Challenges of Green Anti-fouling Technologies," Anthony B. Brennan, Netherlands Office of Science and Technology Network & Dutch Maritime Innovations Programme, Wageningen, Netherlands, November 11, 2010.
31. "Engineering Green Anti-fouling Technologies," Anthony B. Brennan, TNO, Den Helder, Netherlands, November 12, 2010.
32. "Engineered surface designs for directed bio-settlement on topographies," Anthony Brennan, Chelsea Magin, Linnea Ista, Gabriel Lopez, Maureen Callow, John Findlay, and James A. Callow, 57th AVS International Symposium, Biomaterial Interfaces Division, Albuquerque, NM, October 17, 2010. (Invited Plenary National Presentation – Conference)
33. "A Shark Attack on Biofouling," Anthony Brennan, Rotary Club of Gainesville, Gainesville, FL, June 15, 2010. (Invited Local Presentation – Meeting)
34. "Biomimetic," Anthony Brennan, Santa Fe High School, Gainesville, FL, June 3, 2010. (Invited Local Presentation – Meeting)
35. "Control Biofouling in Marine Biofilms" Anthony B. Brennan, ONR Biofouling/Coatings Program Review, Memphis, TN, June 22-24, 2010. (Contributed National Presentation – Meeting)
36. "Functionalized Poly(ethylene glycol) Dimethacrylate Hydrogels with Engineered Surface Topography to Promote Re-Endothelialization of Small Diameter Vascular Grafts," Chelsea M. Magin and Anthony B. Brennan, Society for Biomaterials Annual Meeting, Seattle, WA, April 22-23, 2010. (Contributed National Poster Presentation – Meeting)
37. "Synthesis of Composite Bioactive Glass – Polymeric Microspheres for Controlled Drug Release" Scott P. Cooper and Anthony B. Brennan, Society for Biomaterials Annual Meeting, Seattle, WA, April 22-23, 2010. (Contributed National Poster Presentation – Meeting)
38. "Micro-patterning of Polyolefins," Anthony B. Brennan and Dave Jackson, 2nd Biennial MacroCenter Poster Session, Gainesville, FL, April 1, 2010. (Contributed Local Poster Presentation - Meeting)
39. "Functionalized poly(ethylene glycol)-dimethacrylate hydrogels reduce attachment of *Ulva linza* and *Navicula perminuta*" – Chelsea M. Magin, John A. Finlay, Maureen E. Callow, James A. Callow and Anthony B. Brennan, 2nd Biennial MacroCenter Poster Session, Gainesville, FL, April 1, 2010. (Contributed Local Poster Presentation - Meeting)
40. "Tailoring the Size of Organic/Inorganic Microspheres for Local Drug Delivery and Bone Regeneration" – Scott P. Cooper, Nick A. Sexson and Anthony B. Brennan, 2nd Biennial MacroCenter Poster Session, Gainesville, FL, April 1, 2010. (Contributed Local Poster Presentation - Meeting)
41. "Manipulation of surface micro-topography and wettability on polymer films" – Anthony B. Brennan and Kevin (Liwen) Jin, 2nd Biennial MacroCenter Poster Session, Gainesville, FL, April 1, 2010. (Contributed Local Poster Presentation - Meeting)
42. "A Unifying Theory for Cell Attachment: Bacteria and Algal Zoospores," Anthony Brennan, Karlsruhe Institute of Technology & University of Heidelberg, Heidelberg, Germany, March 17, 2010. (Invited International Presentation - University)

43. "Polymeric Surfaces as Models for Biological Adhesion Mechanisms," Anthony Brennan, ETH Zurich Materials Research Center, Zurich, Switzerland, March 15, 2010. (Invited International Presentation - Meeting)
44. "Novel Surface Grafting Method On Glass Using 3-(mercaptopropyl)trimethoxysilane as a Coupling and Chain Transfer Agent," Jiun-Jeng Chen, Kim Struk, and Anthony B. Brennan, 32nd Symposium on Applied Surface Analysis, 2010 Annual Joint Symposium & Exhibition, Florida Chapter of the AVS Science and Technology Society (FLAVS), Florida Society for Microscopy (FSM), Orlando, FL, March 8-10, 2010. (Contributed Regional Poster Presentation - Conference)
45. "Kinetic Settlement of *Ulva* Zoospores on Sharklet AF™ Engineered Topography" Scott P. Cooper, John A. Finlay, Gemma Clay, Maureen E. Callow, James A. Callow, and Anthony B. Brennan, International Workshop on Concepts & Strategies for Surface Engineering to Control Biofouling, St. Petersburg, FL, December 8-10, 2009. (Contributed International Poster Presentation - Meeting)
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48. "Bioadhesion in Response to Engineered Topographies" Anthony B. Brennan, University of Gothenburg, Department of Biomaterials, Gothenburg, Sweden, November 18, 2009. (Invited International Presentation - University)
49. "Antifouling – Chemistry or Topography?" Anthony Brennan, Foster Colloquium Series at the University of Buffalo, Buffalo, NY, October 9, 2009. (Invited Regional Presentation – University)
50. "Bioadhesion in Response to Engineered Topographies," Anthony B. Brennan, Gordon Research Conference – Adhesion, Science of, New London, NH, July 26-31, 2009. (Invited International Presentation – Conference)
51. "A Predictive Bio-settlement Model," Anthony B. Brennan, 2009 Virginia Tech Polymer Symposium, Blacksburg, VA, July 16-18, 2009. (Invited Regional Presentation – University)
52. "Control Biofouling in Marine Biofilms," Anthony B. Brennan, Coatings Workshop 2009, Portland, OR, June 9-11, 2009. (Invited National Presentation – Meeting)
53. "Navicula settlement and release on Sharklet AF-based Translationally Symmetric Topographies," Christopher Long, John Finlay, Maureen Callow, James Callow, and Anthony Brennan, Coatings Workshop 2009, Portland, OR, June 9-11, 2009. (Contributed National Poster Presentation – Meeting)
54. "Potsdam – the Place to Start," Anthony Brennan, SUNY Potsdam Distinguished Alumni Speaker Series, Potsdam, NY, March 7, 2009. (Invited CSTEP Regional Presentation – University)

55. "Using Mother Nature's Secrets to Design Green, Anti-Bacterial Surfaces," Anthony Brennan, SUNY Potsdam Distinguished Alumni Speaker Series, Potsdam, NY, March 6, 2009. (Invited Regional Presentation – University)
56. "Hybrid Bioceramics for Tissue Engineering: A Study of Composition and Topography," A.B. Brennan, 33rd International Conference & Exposition on Advanced Ceramics and Composites, Daytona Beach, FL, January 18-23, 2009. (Contributed International Presentation - Conference)
57. "Synthesis of Sol-gel Bioactive Glass Microspheres by Gelation in an Emulsion," Scott Cooper*and A.B. Brennan, 33rd International Conference & Exposition on Advanced Ceramics and Composites, Daytona Beach, FL, January 18-23, 2009. (Contributed International Presentation - Conference)
58. "A Predictive Model for Antifouling Using Engineered Topographies," Anthony B. Brennan, Chris Long, Chelsea Magin, Kevin Liwen Jin, Ronald Baney, Maureen Callow, James Callow, Linnea Ista, Gabrielle Lopez and Michael Hadfield, The 15th International Congress on Marine Corrosion and Fouling, Kobe, Japan, July 27-31, 2008. (Contributed International Presentation - Meeting)
59. "Impact of Feature Size, Geometry, and Roughness of Engineered Surface Topographies on Colonization and Biofilm Formation of Marine Bacteria," Chelsea M. Magin, Christopher J. Long, Linnea K. Ista, Gabriel P. Lopez, and Anthony B. Brennan, The 15th International Congress on Marine Corrosion and Fouling, Kobe, Japan, July 27-31, 2008. (Contributed International Presentation - Meeting)
60. "Biomimetic gradient designs," Anthony Brennan, Gordon Research Conference – Interfaces, Chemistry At, Waterville Valley, NH, July 13-18, 2008. (Invited International Presentation – Conference)
61. "Control of Marine Biofouling with Topography," Anthony B. Brennan, ONR Coatings/Biofouling Program Review, ONR, Charleston, SC, June 10-14, 2008. (Invited National Presentation – Meeting)
62. "Bioresponse to Engineered Topographies," Anthony B. Brennan, 3M, Minneapolis, MN, May 22-23, 2008. (Invited Regional Presentation – Meeting)
63. "Impact of Protein Adsorption on *Staphylococcus aureus* Biofilm Formation on Engineered Microtopographies," Chelsea M. Magin, Matthew Blackburn, Christopher Long, and Anthony Brennan, University of Florida Center for Macromolecular Science and Engineering, Gainesville, Florida, January 2008. (Poster Presentation)
64. "Control of Marine Bioadhesion," Anthony B. Brennan, AVS 54th International Symposium & Exhibition, AVS, Seattle, WA, October 14-17, 2007. (Invited National Presentation – Meeting)
65. "Fiber Modification and Modeling," Anthony B. Brennan, Quarterly Program Review, ISIS Program, Lockheed Martin/DARPA, Akron, OH, September 24-25, 2007. (Invited National Presentation – Meeting)
66. "Fiber Modification and Modeling," Anthony B. Brennan, Quarterly Program Review, ISIS Program, Lockheed Martin/DARPA, Akron, OH, June 25-26, 2007. (Invited National Presentation – Meeting)
67. "Control of Marine Biofouling with Engineered Surfaces," Anthony B. Brennan, ONR Coatings/Biofouling Program Review, Monterey, CA, June 12-15, 2007. (Invited National Presentation – Meeting)

68. "Bioresponse to Engineered Topographies," Anthony B. Brennan, Vistakon, Jacksonville, FL, May 15, 2007. (Invited Regional Presentation – Meeting)
69. "Engineered Substratum Topography to Disrupt Bacterial Biofilm Formation," Anthony B. Brennan, SFB 2007 Annual Meeting, Chicago, IL, April 18-21, 2007. (Invited National Presentation – Meeting)
70. "Bioresponse to Engineered Textures," Anthony B. Brennan, Georgia Institute of Technology, Atlanta, GA, March 25-26, 2007. (Invited Regional Presentation – Meeting)
71. "A Stress Gradient Model of Bioadhesion," Anthony B. Brennan, UF Mechanical and Aerospace Department, Gainesville, FL, January 30, 2007. (Invited Local Presentation – Meeting)
72. "Bioresponse to Engineered Textures," Anthony B. Brennan, Johnson & Johnson, Newark, NJ, December 10-11, 2006. (Invited Regional Presentation – Meeting)
73. "Control of Marine Biofouling with Engineered Surfaces," Anthony B. Brennan, ONR/AMBIO Review Meeting, Jacksonville, FL, December 06-09, 2006. (Invited International Presentation – Meeting)
74. "Geometrically Controlled Surface Properties," Anthony B. Brennan, ONR/AMBIO Review Meeting, Jacksonville, FL, December 06-09, 2006. (Invited National Presentation – Meeting)
75. "Novel Engineered Substratum Topographies to Control Bacterial Biofilm Formation," Anthony B. Brennan, 2006 MRS Fall Meeting, Boston, MA, November 28, - December 01, 2006. (Contributed National Presentation – Conference)
76. "Bioresponse to engineered surfaces," Anthony B. Brennan, Florida Marine Biotechnology Summit V, Bioflorida Ninth Annual Conference, Gainesville, FL, November 14, 2006. (Invited Local Presentation – Conference)
77. "Mimicking the biology of shark skin: development of a non-fouling surface," Anthony B. Brennan, Evening at Whitney Colloquia Series, Whitney Laboratories (UF), Marineland, FL, November 9, 2006. (Invited Local Presentation – Meeting)
78. "Response to Bioengineered Surfaces," Anthony B. Brennan, Presentation to Center for Nanotechnology, University of Washington, Seattle, WA, October, 31, 2006. (Invited Local Presentation – Meeting)
79. "Fiber surface modifications," Anthony B. Brennan, Second Quarterly Program Review, ISIS Program, Washington, DC, October 26, 2006. (Invited Local Presentation – Meeting)
80. "Engineered Non-toxic Antifouling Designs for the Marine Environment," Anthony B. Brennan, 13th International Congress on Marine Corrosion & Biofouling, Rio de Janeiro, Brazil, July 21-28, 2006. (Invited International Presentation – Conference)
81. "Fiber surface modifications," Anthony B. Brennan, First Quarterly Program Review, ISIS Program, Akron, OH, July 17, 2006. (Invited Local Presentation – Meeting)

82. "Modeling creep in high tenacity polyethylene fibers," Anthony B. Brennan, First Quarterly Program Review, ISIS Program, Akron, OH, July 17, 2006. (Invited Local Presentation – Meeting)
83. "Control of Marine Biofouling with Engineered Surfaces," Anthony B. Brennan, Army Research Laboratories, Aberdeen Proving Grounds, Aberdeen, MD, June 21, 2006. (Invited Local Presentation – Meeting)
84. "Green, Engineered Biomimetic Surfaces To Reduce Biofouling," Anthony B. Brennan, Venice Beach Yacht Club, Venice, FL, May 6-7, 2006. (Invited Regional Presentation – Meeting)
85. "Fiber Properties & Modifications," Anthony B. Brennan, DARPA/SPO Meeting, Akron, OH, April 23-26, 2006. (Invited National Presentation – Meeting)
86. "Engineered Antifouling Microtopographies – Correlating Wettability with Cell Attachment and Adhesion," Anthony B. Brennan, P&G, Cincinnati, OH, March 14-15, 2006. (Invited Regional Presentation – Meeting)
87. "Engineered Anti-Fouling Designs for Marine Environments," Anthony Brennan, Maureen Callow, James Callow, Michelle Carman, Thomas Estes, John Finlay, Michael Hadfield, Brian Neved, Ruth Perry, James Schumacher, Dean E. Wendt, and Leslie H. Wilson, 2nd International Symposium on Polymers for the Marine Environment, Maui, Hawaii, Dec 10-14, 2005, American Chemical Society, Division of Polymer Chemistry, Session F2. (Invited International Presentations - Conference)
88. "Elastomers/Silicones and the Foul-Release Concept," Anthony B. Brennan, ONR/AMBIO Workshop, Sheraton Maui Conference Center, Maui, HA, December 14-15, 2005. (Invited International Presentation – Meeting)
89. "The Role of Surface Physio-chemical Properties on Anti-Fouling and Foul Release Coatings in Marine Applications" Anthony B. Brennan, ONR/AMBIO Workshop, Sheraton Maui Conference Center, Maui, HA, December 14-15, 2005. (Invited International Presentation – Meeting)
90. "Disruptive Technologies – Transition Technologies that Bridge the Gap," Anthony B. Brennan, Honeywell Specialty Materials Scientific Advisory Board, Morristown, NJ, November 19-22, 2005. (Invited Regional Presentation – Meeting)
91. "Green, Engineered Biomimetic Surfaces To Reduce Biofouling – A Gift To The Sea," Anthony B. Brennan, Earth Shine Institute Gifts from the Sea Festival, Captiva Island, FL, November 18, 2005. (Invited Regional Presentation – Meeting)
92. "Towards Minimally Fouling Substrates: Surface Grafting And Topography," Leslie Hoipkemeier Wilson, James F. Schumacher, John A. Finlay, Ruth Perry, Maureen E Callow, James A Callow, and Anthony B. Brennan, 230th American Chemical Society National Meeting, Washington, DC, August 29 – September 1, 2005. (Invited National Presentation – Conference)
93. "Shark Inspired Non-Toxic Coatings for Non-Fouling Marine Applications," Anthony B. Brennan, 230th American Chemical Society National Meeting, Washington, DC, August 29 – September 1, 2005. (Invited National Presentation – Conference)
94. "The Role of Surface Physio-chemical Properties on Anti-Fouling and Foul Release Coatings in Marine Applications," Anthony B. Brennan, 2005 Coatings/Biofouling Program Review, Baltimore, MD, June 15-17, 2005. (Invited National Presentation – Meeting)

95. "Endothelial Cell Taxis Directed by Microengineered Topographies: The Effect of Curved Steps and Cliffs," A.W. Feinberg, J.F. Schumacher and A.B. Brennan, Society for Biomaterials, Memphis, TN, April 27–30, 2005. (Contributed National Presentation - Meeting)
96. "Biomimetic Surfaces for Engineered Bioresponses," Thomas G. Estes, Michelle L. Carman, James F. Schumacher, Leslie H. Wilson, Adam W. Feinberg, John A. Finlay, James A. Callow, Maureen E. Callow and Anthony B. Brennan, Palmetto Biotechnology Alliance: The Right Conference, Hilton Head, South Carolina April 17 – 18, 2005. (Contributed National Presentation – Meeting)
97. "The Role of Surface Physio-chemical Properties on Anti-Fouling and Foul Release Coatings in Marine Applications," Anthony B. Brennan, Office of Naval Research Coatings Workshop, Sedona, AZ, January 18-20, 2005. (Invited National Presentation – Meeting)
98. "Shared Governance," Anthony B. Brennan, Advisory Council of Faculty Senates Meeting, Tallahassee, FL, October 7-8, 2004. (Invited State Presentation – Meeting)
99. "Engineered Biomimetic Surfaces to Reduce Ulva Zoospore Settlement," Anthony B. Brennan, 13th International Conference on Aquatic Invasive Species, Ennis, County Clare, Ireland, September 17-24, 2004. (Contributed International Presentation – Conference)
100. "Control of ulva zoospore settlement via microtopographic cues," Anthony B. Brennan, 12th International Congress on Marine Corrosion & Fouling, Southampton, UK, July 25-31, 2004. (Invited International Presentation – Conference)
101. "Engineering surface topographies to control marine fouling," Anthony B. Brennan, 12th International Congress on Marine Corrosion & Fouling, Southampton, UK, July 25-31, 2004. (Invited International Presentation – Conference)
102. "The Role of Surface Physio-chemical Properties on Anti-Fouling and Foul Release Coatings in Marine Applications," Anthony B. Brennan, Office of Naval Research Coatings/Biofouling/Membranes Program Review, San Francisco, CA, June 20-24, 2004. (Invited National Presentation – Meeting)
103. "Comparison of the Morphology and Mechanical Properties of Vascular Endothelial Cells Cultured on Microengineered Surfaces and from Fresh Artery," Anthony B. Brennan, 7th World Biomaterials Congress, Sydney, Australia, May 14-22, 2004. (Contributed International Presentation – Conference)
104. "Development of a Microfluidic Device for Separating Circulating Endothelial Cells from Blood," A.W. Feinberg, J.F. Schumacher, M.S. Segal and A.B. Brennan, 7th World Biomaterials Congress, Sydney, Australia, May 14-22, 2004. (Contributed International Presentation – Conference)
105. "Micro-Engineered Coatings for Antifouling and Biofouling Release of Marine Micro-Organisms," A.W. Feinberg, M.L. Carman, T.G. Estes, J.F. Schumacher, L.H. Wilson, J.A. Finlay, J.A. Callow, M.E. Callow, and A.B. Brennan, 7th World Biomaterials Congress, Sydney, Australia, May 14-22, 2004. (Contributed International Presentation – Conference)
106. "Organic-Inorganic Bioactive Fibers for Bone Tissue Engineering," BM Hatcher and AB Brennan, Society of Biomaterials, 7th World Congress for Biomaterials, Sydney, Australia, May 14-22, 2004. (Contributed International Presentation – Conference)

107. "The Ability of Bioactive Fibers Sintered at Different Temperatures to Buffer pH and Enhance Bone Marrow Stem Cell Proliferation," BM Hatcher, JF Schumacher and AB Brennan, Society of Biomaterials, 7th World Congress for Biomaterials, Sydney, Australia, May 14-22, 2004. (Contributed International Presentation – Conference)
108. "Bioadhesion to Microengineered Siloxane Elastomers," Anthony B. Brennan, Michelle L. Carman, Thomas G. Estes, Adam W. Feinberg, James F. Schumacher, and Leslie Hoipkemeier Wilson, 227th American Chemical Society, Anaheim, CA, March 27 – April 1, 2004. (Contributed National – Conference)
109. "Modeling Wetting Of Engineered Topographies On Silicone Elastomers For Predicting Bioadhesion," Michelle L. Carman, James F. Schumacher, Adam W. Feinberg and Anthony Brennan, 227th American Chemical Society, Anaheim, CA, March 27 – April 1, 2004. (Contributed National – Conference)
110. "Control Of *Ulva* Zoospore Settlement On Silicone Substrates Via Microtopographic Cues," L.H. Wilson, M.L Carman, A.W. Feinberg, J.F. Schumacher, M.E. Callow and A.B. Brennan, The 227th ACS National Meeting, Anaheim, CA, March 28 – April 1, 2004. (Contributed National – Conference)
111. "Settlement And Release Of *Balanus* And *Ulva* As A Function Of PDMS Elastomer Surface Energy," T.G. Estes, A.W. Feinberg, M.E. Callow, G. Swain and A.B. Brennan, The 227th ACS National Meeting, Anaheim, CA, March 28 – April 1, 2004. (Contributed National – Conference)
112. "Focal Contact Adhesions To Engineered Surfaces And The Affect On Cell Morphology, Mechanical Properties And Membrane Receptors," A.W. Feinberg, J.F. Schumacher and A.B. Brennan, The 227th ACS National Meeting, Anaheim, CA, March 28 – April 1, 2004. (Contributed National – Conference)
113. "Fluorescent Imaging of Endothelial Cells On Microengineered Surfaces," A.W. Feinberg, J. F. Schumacher and A. B. Brennan, 7th Annual Joint Meeting of the Florida Chapter of the AVS and the Florida Microscopy Society, March 7-9, 2004. (Contributed Regional - Conference)
114. "Morphology, Cytoskeletal Structure and Mechanical Properties of Vascular Endothelial Cells Cultured On Microengineered Surfaces," A.W. Feinberg, J. F. Schumacher and A. B. Brennan, 7th Annual Joint Meeting of the Florida Chapter of the AVS and the Florida Microscopy Society, March 7-9, 2004. (Contributed Regional - Conference)
115. "Tissue Engineering - A Biomaterials Approach," Anthony B. Brennan, FSU/FAMU Seminar, Tallahassee, FL, February 27, 2004. (Invited State Presentation – Meeting)
116. "The Role of Surface Physio-Chemical Properties on Anti-Fouling and Foul Release Coatings in Marine Applications," Anthony B. Brennan, ONR Program Review, Orlando, FL, December 2003. (Invited National Presentation – Meeting)
117. "Simultaneous AFM Quantification of Topographical, Mechanical and Biochemical Properties on Live Cells," A.W. Feinberg and A.B. Brennan, Biomedical Engineering Society Meeting, Nashville, TN, October 2003. (Contributed National - Conference)

118. "The Role of Surface Physico-chemical Properties on Bioadhesion," Anthony B. Brennan, Eastman Chemical Company Meeting, Kingsport, TN, August 11-12, 2003. (Invited Regional Presentation – Meeting)
119. "Application of AFM to Engineering the Structure and Quantifying the Properties of the Biointerface," A.W. Feinberg and A. B. Brennan, Physical Chemistry on the Nanometer Scale Summer School, Washington State University, Pullman, WA, August 1, 2003. (Contributed Regional - Workshop)
120. "The Role of Surface Physio-Chemical Properties on Anti-Fouling and Foul Release Coatings in Marine Applications," Anthony B. Brennan, ONR Program Review, Baltimore, MD, July 2003. (Invited National Presentation – Meeting)
121. "AFM Quantification of Receptor–Ligand Interactions on the Surface of Living Cells," A.W. Feinberg and A.B. Brennan, Society for Biomaterials, Reno, NV, April 30 – May 4, 2003. (Contributed National - Conference)
122. "Mapping and Quantifying Proteins on the Surface of Living Cells," A.W. Feinberg and A.B. Brennan, Graduate Student Forum, University of Florida, April 1, 2003.
123. "Effect of Argon Plasma Treatment on PDMS Elastomer Investigated by AFM," A.W. Feinberg, T.G. Estes and A.B. Brennan, The 225th ACS National Meeting, New Orleans, LA, March 23-27, 2003. (Contributed National - Conference)
124. "Direct measurement of receptor-ligand binding on the surface of living cells," Adam W. Feinberg and Anthony B. Brennan, The 225th ACS National Meeting, New Orleans, LA, March 23-27, 2003. (Contributed National - Conference)
125. "Tissue Engineering – Engineered Interfaces in Biomaterials," Anthony B. Brennan, Invited lecture at Catholic University, Washington, DC, February 26, 2003. (Invited Local Presentation – Meeting)
126. "Tissue Engineering – Engineered Interfaces in Biomaterials," Anthony B. Brennan, Invited lecture at University of Kentucky, Lexington, KY, February 05, 2003. (Invited Local Presentation – Meeting)
127. "Tissue Engineering – A Biomaterials Approach," Anthony B. Brennan, presentation to Materials Science and Engineering Graduate Symposium Series, Gainesville, FL, October 2002. (Invited Local Presentation – Conference)
128. "Materials and Devices for Optical Sources and Protection of Optical Sensors," Tony Brennan, MINSA Review Meeting, Gainesville, FL, August 19-20, 2002. (Invited National Presentation – Meeting)
129. "The Role of Surface Physico-Chemical Properties on Anti-fouling and Foul Release Coatings in Marine Applications," Anthony B. Brennan, Office of Naval Research Program Review, San Diego, California, June 2002. (Invited National Presentation – Conference)
130. "Bioactive Fiber-Based Scaffolds in Bone Replacement Tissue Engineering," Anthony B. Brennan, Society for Biomaterials 28th Annual Meeting, Tampa, FL, April 23-27, 2002. (Invited State Presentation – Meeting)

131. "Nanoforce Measurements of Chemotactic Specificity on Biopolymers," Adam W. Feinberg, Amy L. Gibson, Leslie H. Wilson, Lee C. Zhao, and Anthony B. Brennan, Society for Biomaterials 28th Annual Meeting, Tampa, FL, April 23-27, 2002. (Invited State Presentation – Meeting)
132. "In-situ Strain Measurement of Polypyrrole Actuators on Enhanced Au Surfaces," Anthony B. Brennan, American Chemical Society 223rd Meeting, Orlando, FL, April 7-11, 2002. (Invited National Presentation – Meeting)
133. "In-situ Measurement of Conducting Polymers on Evaporated and Electrochemically Deposited Au Surfaces," Anthony B. Brennan, SPIE 9th Annual International Symposium on Smart Structures and Materials, San Diego, CA, March 17-21, 2002. (Invited National Presentation – Meeting)
134. "AFM Nanolithography of Nanometer and Micron Scale Hierarchical Topographies in Polymers for Tissue Engineering Applications," AW Feinberg, CA Seegert, AL Gibson, AB Brennan, Fifth Annual Joint Meeting of the Florida Chapter of the AVS and the Florida Society for Microscopy, March 11-14, 2002. (Contributed State Presentation – Meeting)
135. "Toward Hierarchical Tissue Engineering: Chemistry and Topography as Competing Factors in an Endothelial System," C. Seegert, A. Feinberg, A. Gibson, L. Hoipkemeier Wilson, W. Wilkerson, R. Baney, and A. Brennan, 25th Meeting of The Adhesion Society, February 10-14, 2002. (Contributed National – Conference)
136. "Quantifying Inter-Cellular Forces in Bioadhesion: Examination of Sialyl Lewis X and Selectin Interactions with Atomic Force Microscopy," A. Brennan, 25th Meeting of The Adhesion Society, February 10-14, 2002. (Contributed National – Conference)
137. "MINSAs Electroactive Polymer Actuators Final Report," Anthony B. Brennan, DARPA ElectroActive Polymers Principal Review and MINSAs Principal Investigator Review, Lake Buena Vista, FL, January 28-31, 2002. (Invited National Presentation – Meeting)
138. "Optical Shutter Using Organic-Inorganic Hybrids," Anthony B. Brennan, DARPA ElectroActive Polymers Principal Review and MINSAs Principal Investigator Review, Lake Buena Vista, FL, January 28-31, 2002. (Invited National Presentation – Meeting)
139. "Chemical-Mechanical Control of Marine Biofouling/Foul Release with Engineered Microtopographies," Anthony B. Brennan, Office of Naval Research Program Review, Kauai, Hawaii, December 2001. (Invited National Presentation – Conference)
140. "Characterization of Chemically and Topographically Modified Siloxane Elastomer for Controlled Cell Growth," A.L. Gibson, L.H. Wilson, A.W. Feinberg, W.R. Wilkerson, C. Seegert, R. Baney, and A. B. Brennan, 2001 Fall Meeting of the Materials Research Society, Boston, MA, November 26-30, 2001. (Contributed National – Conference)
141. "Engineering Micron and Nanometer Scale Features in Polydimethylsiloxane Elastomers for Controlled Cell Function," A.W. Feinberg, C. Seegert, and A. B. Brennan, 2001 Fall Meeting of the Materials Research Society, Boston, MA, November 26-30, 2001. (Contributed National – Conference)
142. "Organic-Inorganic Nanocomposite Films for Optical Limiting," Anthony B. Brennan, Smart Optical Materials Workshop, Tampa, FL, September 10-11, 2001. (Invited National Presentation – Meeting)

143. "Chemical-Mechanical Control of Marine Biofouling/Foul Release with Engineered Topographies," Anthony B. Brennan, Office of Naval Research Foul-Release Coatings Program Review, Baltimore, MD, August 19-22, 2001. (Invited National Presentation – Meeting)
144. "Characterization of Chemically and Topographically Modified Siloxane Elastomer," A. Feinberg, C. Seegert, W. Wilkerson, A. Gibson, L. Wilson, R. Baney and A. Brennan, American Chemical Society, San Diego, CA, Polymer Preprints, 2001. (Invited National Presentation - Conference)
145. "Topography in Marine Biofouling," Anthony B. Brennan, FIT, Melbourne, FL, August 2, 2001. (Invited State Presentation – Meeting)
146. "Engineered Surfaces for Directed Cell Function: Physical, Chemical and Topographical Modification and Endothelial Cell Response," AB Brennan, AW Feinberg, A Gibson, C Seegert, CK Ozaki, W Wilkerson, L Wilson and LC Zhao, NIH BECON, Bethesda, MD, July 2001. (Contributed National - Conference)
147. "Bioadhesion Studies on Microtextured Siloxane Elastomers," WR Wilkerson, CA Seegert, AW Feinberg, LC Zhao, JA Callow, ME Callow, AB Brennan, American Chemical Society 221st Meeting, San Diego, CA, April 1-5, 2001. (Invited National - Conference)
148. "Characterization of Chemically and Topographically Modified Siloxane Elastomer," AW Feinberg, C Seegert, WR Wilkerson, A Gibson, L Wilson, R Baney, AB Brennan, American Chemical Society 221st Meeting, San Diego, CA April 1-5, 2001. (Contributed National - Conference)
149. "Designed structures for directed biofilm formation," C. A. Seegert, L. C. Zhao, W. R. Wilkerson, A. W. Feinberg, A. B. Brennan, First International Symposium on Polymers in the Marine Environment, Poly Millennium 2000, Waikoloa, HI, December 2000. (Invited International Presentations - Conference)
150. "A Bioactive Glass Fiber Reinforced Composite," A.B. Brennan, R. Orefice, A.E. Clark, L.L. Hench, MRS Fall 2000, Boston, MA, 216, November 27 – December 1, 2000. (Invited National Presentation – Meeting)
151. "Non-Woven Sheets of Bioactive Fibers Produced by a Sol-Gel Process," R. Domingues, A. Clark, A.B. Brennan, MRS Fall 2000, Boston, MA, 216, November 27 – December 1, 2000. (Invited National Presentation – Meeting)
152. "Forces Between Selectins and Their Sialyl Lewis X Counter-Receptor," LC Zhao, BD Hauser, AW Feinberg, WR Wilkerson, CK Ozaki, AB Brennan, American Heart Association 221 Scientific Sessions, New Orleans, LA, November 2000. (Contributed National - Conference)
153. "Control in Surfaces: Chemistry and Topography," A. B. Brennan, of Naval Research Fouling Release Coatings Program Review, Alexandria, VA, August 15-18, 2000. (Invited International Presentation – Meeting)
154. "Role of Silicone Elastomer Surface Properties on Enteromorpha Fouling." C.A. Seegert, L.C. Zhao, W.R. Wilkerson, A.W. Feinberg, A.B. Brennan, Office of Naval Research Fouling Release Coatings Program Review, Alexandria, VA, August 15-18, 2000. (Invited International Presentation – Meeting)

155. "Role of Surface Properties of Silastic on Enteromorpha Fouling" Anthony B. Brennan, Office of Naval Research Program Review, Baltimore MD, May 2000. (Invited National Presentation – Conference)
156. "PDMS Elastomers: Structure Property Relationships and Bioadhesion," A. B. Brennan, Biofilms in the Marine Environment, Florida Institute of Technology, February 23, 2000. (Invited International Presentation – Meeting)
157. "Fracture Behavior of Epoxy Materials as a Function of Structure and Processing", A.B. Brennan, 16th International Conference on Magnet Technology, September 26 – October 2, 1999. (Invited International Presentations - Conference)
158. "Measurement of Interfacial Energy Between Sulfonated Polysulfone and Three Substrates by AFM," A. B. Brennan, Polymeric Materials Science and Engineering Fall Meeting, New Orleans, LA, August 22-26, 1999. (Invited International Presentations - Conference)
159. "Steric and Depletion Forces Between silica Surfaces with Free and Grafted PEO" A. B. Brennan, Polymeric Materials science and Engineering Fall Meeting, New Orleans, LA, August 22-26, 1999. (Invited International Presentations - Conference)
160. "Strategies for the Design of Chemical and Topographical Features of Polydimethylsiloxane Marine Foul Release Coatings", A. B. Brennan, 1999 ONR Biofouling & Hull Coatings Review, Arlington, VA, August 2-3, 1999. (Invited International Presentation – Meeting)
161. "Role of Surface Topography on Biofilm Formation," A. B. Brennan, ONR Program Review, August 1999. (Invited International Presentation – Meeting)
162. "Novel Inorganic-Organic Hybrid Materials and Surface Modifications for Ophthalmic Use" A. B. Brennan, New Orleans, LA, November 4-6, 1998. (Invited National Presentation – Conference)
163. "Thermal Analysis of Dental Resins Containing Methacrylic Acid Anhydride as a Diluent," A. B. Brennan, American Association for Dental Research, Minneapolis, MN, March 1998. (Contributed National – Meeting)
164. "The Effects of Anhydrides on Mechanical and Thermomechanical Properties" A. B. Brennan, American Association for Dental Research, Minneapolis, MN, March 1998. (Contributed National – Meeting)
165. "Current Trends in Poly(ethylene) Surface Modifications," A. B. Brennan, Guest lecture presented at Kimberly-Clark Corporation, Neenah, WI, December 11, 1996. (Invited National Presentation – Meeting)
166. "Physical Aging of Polyetherimide," A. B. Brennan, SPE Conference on Durability, Weatherability, and Aging of Plastics & Rubber, Akron, OH, October 28, 1996. (Invited National Presentation – Conference)
167. "Structure/Property Relationships in Organic/Inorganic Sol-Gel IPN's," A. B. Brennan, Materials Chemistry Discussion, Polymer Chemistry Department, UF, Gainesville, FL, October 8, 1996. (Invited Local Presentation – Conference)

168. "Hydroperoxide Initiated Grafting Onto Ultra-High Modulus Polyethylene," J. J. Arnold, A. B. Brennan, 212th American Chemical Society National Meeting, Orlando, FL, August 28, 1996. (Contributed National – Meeting)
169. "Surface Modification of Polymeric Fibers," A. B. Brennan, Guest lecture presented at Kimberly-Clark Corporation, Roswell, GA, June 12, 1996. (Invited National Presentation – Meeting)
170. "Structure/Property Behavior of Organic-Inorganic Semi-IPNs," A. B. Brennan and T. M. Miller, 1996 Spring Meeting of the Materials Research Society, San Francisco, CA, April 9, 1996. (Contributed National – Conference)
171. "Epoxy Materials for Improved Performance at 4K," A. B. Brennan, T. M. Miller, E. E. Carroll, III, L. Plangsammas, and W. D. Markiewicz, International Workshop on High Magnetic Fields: Industry, Materials and Technology, Tallahassee, FL, February 28, 1996. (Invited International Presentations - Conference)
172. "Emerging Technologies for Dual Use Applications," A. B. Brennan, Engineering Advisory Council Annual Meeting, University of Florida, Gainesville, FL, February 23, 1996. (Invited Local Presentation – Conference)
173. "Effect of Surface Modification of Ultra High Modulus Polyethylene Fibers on Composite Properties," A. B. Brennan, J. J. Arnold, and M. P. Zamora, Northeast Region American Chemical Society Silver Anniversary Meeting, Rochester, NY, October 22-25, 1995. (Invited Regional Presentation – Meeting)
174. "A Review of Structure/Property Behavior of Organic-Inorganic SEMI-IPNS," A. B. Brennan, T. Miller*, and R. Vinocur, The Intersociety Polymer Conference, Baltimore, MD, October 8, 1995. (Invited National Presentation – Conference)
175. "The Structure/Property Behavior of Organic-Inorganic Semi-IPNS," A. B. Brennan, Invited talk presented at General Electric, Waterford, NY, September 9, 1995. (Invited Regional Presentation – Meeting)
176. "Development of a High Performance Epoxy for High Field Superconducting and Pulsed Magnets - Project Update," A. B. Brennan, National High Magnetic Field Laboratory, Tallahassee, FL, July 28, 1995. (Invited Regional Presentation – Meeting)
177. "A Review of Structure/Property Behavior of Organic-Inorganic Semi-IPNS," A. B. Brennan, Seminar presented at Owens Corning, Granville, OH, May 18, 1995. (Invited Regional Presentation – Meeting)
178. "Analysis of the Structure of Materials," A. B. Brennan, Guest Lecture for EMA 3513C Students, University of Florida, Gainesville, FL, April 11, 1995. (Invited Local Presentation – Conference)
179. "Bioglass® Reinforced Dental Composites: Thermomechanical Properties," A. B. Brennan, American Chemical Society Meeting, Anaheim, CA, April 1-5, 1995. (Contributed National – Meeting)
180. "Maleic-Anhydride-Containing Dental Resins: Offsetting Polymerization Shrinkage," A. B. Brennan, American Association for Dental Research Meeting, San Antonio, TX, March 8-12, 1995. (Contributed National – Meeting)

181. "An Overview of Investigations of Multiphase Composites and Relevant Interfaces," A. B. Brennan, Project Review for Dow Chemical Company, Midland, MI, February 26-28, 1995. (Invited National Presentation – Meetings)
182. "Development of a High Performance Epoxy for High Field Superconducting and Pulsed Magnets - Project Update," A. B. Brennan, National High Magnetic Field Laboratory, Tallahassee, FL, January 11, 1995. (Invited Regional Presentation – Meeting)
183. "Plastic Fiberoptic Image Guides For Endoscopes," Y. Wang, A. Brennan, G. Frost, J. Tymianski, and J. Walker, Society of Plastics Engineers Conference, Boston, MA, 1995. (Contributed National – Conference)
184. "New Lightweight, High Performance Composites," A. B. Brennan, 10th Annual American Society of Materials/The Engineering Society Advanced Composites Conference, Detroit, MI, November 8, 1994. (Invited National Presentation – Conference)
185. "Thermomechanical Properties of a New Toughened Epoxy for Potting Superconducting Magnets," A. B. Brennan, International Cryogenic Materials Conference, Honolulu, HI, October 23-26, 1994. (Invited International Presentations - Conference)
186. "Development of a High Performance Epoxy for High Field Superconducting and Pulsed Magnets - Project Update," A. B. Brennan, National High Magnetic Field Laboratory, Tallahassee, FL, October 6, 1994. (Invited Regional Presentation – Meeting)
187. "The Effect of ⁶⁰Co Dosage on the Dynamic Mechanical Response of Epoxy-Based Thermosets," A. B. Brennan, North American Thermal Analysis Society Meeting, Toronto, Ontario, Canada, September 24-29, 1994. (Contributed International – Meeting)
188. "Characterization of UHMWPE Fiber/Matrix Adhesion by Dynamic Mechanical Spectroscopy: Effect of Polymer Graft Molecular Weight," A. B. Brennan, North American Thermal Analysis Society Meeting, Toronto, Ontario, Canada, September 24-29, 1994. (Contributed International – Meeting)
189. "Hybrid Polymers: Via Sol-Gel Processes Involving Metal Alkoxides," A. B. Brennan, Guest Lecture to CHM 4272 Organic Chemistry Students, University of Florida, Gainesville, FL, September 22, 1994. (Invited Local Presentation – Conference)
190. "Copolymer Compositions Designed to Offset Polymerization Shrinkage in Dental Composites: Effect of Maleic Anhydride," M. P. Zamora, K. B. Wagener, and A. B. Brennan, Symposium on Bioapplications of Polymers, American Chemical Society National Meeting, Washington, D.C., August 23-25, 1994. (Contributed National – Meeting)
191. "Radiation Resistance of Epoxy Systems: I. Effect of Epoxy Resin Structure," T. M. Miller, J. J. Arnold, K. V. Huang, N. L. Gebhart, and A. B. Brennan, Symposium on Radiation Effects on Polymers, American Chemical Society National Meeting, Washington, D.C., August 23-25, 1994. (Contributed National – Meeting)
192. "Organic-Inorganic Hybrid IPNs by Gamma Polymerization: I. Effect of ⁶⁰Co Dosage," T. M. Miller, R. B. Vinocur, and A. B. Brennan, Symposium on Radiation Effects on Polymers, American Chemical Society National Meeting, Washington, D.C., August 23-25, 1994. (Contributed National –

Meeting)

193. "A New Amine Catalyzed Epoxy for Potting High Field Superconducting and Pulsed Magnets," A. B. Brennan, Project Review for National High Magnetic Field Laboratory, Tallahassee, FL, July 18, 1994. (Invited Local Presentation – Conference)
194. "Novel IPN's Derived From Organic/Inorganic Gels," A. B. Brennan, DuPont Young Faculty Recipient Address, Wilmington, DE, May 25, 1994. (Invited Local Presentation – Conference)
195. "In-Situ Organic and Inorganic Modifications of a Sol-Gel Derived Elastomeric Hybrid," A. B. Brennan, Lecture on Research Areas to EMA 3740 Ceramic Engineering Design Students, University of Florida, Gainesville, FL, April 14, 1994. (Invited Local Presentation – Conference)
196. "Development of a High Performance Epoxy for High Field Superconducting and Pulsed Magnets," A. B. Brennan, National High Magnetic Field Laboratory, Tallahassee, FL, March 25, 1994. (Invited Regional Presentation – Meeting)
197. "Dynamic Mechanical Behavior of Inorganic/Organic Hybrids," A. B. Brennan, Japan Thermal Analysis Society, Nagoaka, Japan, October 29, 1993. (Invited National Presentation – Conferences)
198. "Physical Aging of a Poly(etherimide)," A. B. Brennan, Rheology Society Meeting, Boston, MA, October 19, 1993. (Contributed National – Meeting)
199. "Surface Treatments of Spectra Fibers: Effect on Mechanical Properties of Styrene-Based Short Fiber Composites," A. B. Brennan, J. J. Arnold, and M. P. Zamora, American Chemical Society Meeting, Chicago, IL, August 23, 1993. (Contributed National – Meeting)
200. "Inorganic-Organic Hybrid Materials," A. B. Brennan, National High Magnetic Field Laboratory, Tallahassee, FL, May 6, 1993. (Invited Regional Presentation – Meeting)
201. "In Situ Modifications of a Silicon Dioxide Phase Within a Polymeric Network," A. B. Brennan, American Chemical Society National Meeting, Denver, CO, April 1, 1993. (Contributed National – Meeting)
202. "Novel Resins for Dental Composites," A. B. Brennan, Colleges of Medicine and Dentistry, University of Illinois at Chicago, Chicago, IL, March 23, 1993. (Contributed National – Meeting)
203. "Relaxation Behavior of a Poly(imide)," F. Feller, III and A. B. Brennan, 21st North American Thermal Analysis Society Conference, Atlanta, GA, September 14, 1992. (Contributed International – Conference)
204. "Characterization of Novel Thiophene Containing Poly(arylene ether ketone)," Y. Q. Wang and A. B. Brennan, 21st North American Thermal Analysis Society Conference, Atlanta, GA, September 14, 1992. (Contributed International – Conference)
205. "Inorganic-Organic Hybrid IPN's," A. B. Brennan and R. Vinocur, 21st North American Thermal Analysis Society Conference, Atlanta, GA, September 14, 1992. (Contributed International – Conference)
206. "Physical Aging of a Poly(etherimide)," A. B. Brennan, Monsanto Technical Center, Pensacola, FL, August 6, 1992. (Invited Regional Presentation – Meeting)

207. "Structure/Property Behavior of Inorganic/Organic Hybrids," A. B. Brennan, Interdepartmental Polymer Seminar Series, University of Florida, Gainesville, FL, April 1992. (Invited Regional Presentation – Meeting)
208. "Thiophene-Based Poly(arylene ether ketone)s: 2. Thermal and Mechanical Properties of Amorphous Systems Using Bis(p-fluorobenzoyl)aryl Monomers," A. B. Brennan, Y. Q. Wang, J. M. DeSimone, S. Stoppel, and E. T. Samulski, American Chemical Society, San Francisco, CA, April 1992. (Contributed International – Conference)
209. "Structure/Property Behavior of a Swollen CERAMER," A. B. Brennan, DuPont Young Faculty Recipient Address, Wilmington, DE, January 1992. (Contributed International – Meeting)
210. "Thermal Analysis of Hybrid Composites," A. B. Brennan, Seiko Thermal Analysis Conference, Baltimore, MD, November 1991. (Contributed International – Conference)
211. "Dynamic Mechanical Behavior of Inorganic/Organic Nanocomposites," A. B. Brennan and F. Rabbani, 20th North American Thermal Analysis Society Conference, Minneapolis, MN, September 24, 1991. (Contributed International – Conference)
212. "Structure/Property Behavior of Ti/PTMO and Zr/PTMO CERAMERs Prepared by a Sol-Gel Process," A. B. Brennan, Eastman Kodak Company, Rochester, NY, August 1991. (Invited Regional Presentation – Meeting)
213. "Structure/Property Behavior of a Swollen CERAMER," A. B. Brennan and F. Rabbani, American Chemical Society, Fourth Chemical Congress, New York, NY, August 1991. (Contributed International – Conference)
214. "Novel Ti/PTMO and Zr/PTMO Hybrid CERAMER Materials By Sol-Gel Processing," A. B. Brennan, B. Wang, D. E. Rodrigues, and G. L. Wilkes, at Proceedings of the Fifth International Conf. on Ultrastructure Processing of Ceramics, Glasses, Composites, Ordered Polymers and Advanced Optical Materials, Orlando, FL, February 1991. (Contributed International – Conference)
215. "Thermal Analysis of Hybrid Composites," A. B. Brennan, Seiko Thermal Analysis Conference, Research Triangle Park, Charlotte, NC, February 1991. (Contributed International – Conference)
216. "Sol Gel Chemistry - A Novel Route to Hybrid Materials," Anthony Brennan, Presentation to the CASS Discussion Group, Virginia Polytechnic Institute and State University, Blacksburg, VA, May 1990. (Invited Regional Presentation – Meeting)
217. "Synthesis and Characterization of New Titania and Zirconia Containing Hybrid Materials from Sol-Gel Processing," B. Wang, A. B. Brennan, H. H. Huang, and G. L. Wilkes, Conference on Polymeric Materials and Interfaces, Blacksburg, VA, October 1989. (Invited Regional Presentation – Meeting)
218. "Structure-Property Behavior of Sol-Gel Derived Hybrid Materials - Effect of Polymeric Acid Catalyst," A. B. Brennan, H. H. Huang, and G. L. Wilkes, Conference on Polymeric Materials and Interfaces, Blacksburg, VA, October 1989. (Invited Regional Presentation – Meeting)

219. "Structure-Property Behavior of Sol-Gel Derived Hybrid Materials - Effect of Polymeric Acid Catalyst," A. B. Brennan, H. H. Huang, and G. L. Wilkes, American Chemical Society, 198th National Meeting, Miami Beach, FL, September 1989. (Contributed International – Conference)
220. "Structure-Property Behavior of New Hybrid Materials Incorporating Poly (tetramethylene Oxide) with Inorganic Silicates by Sol-Gel Processing," A. B. Brennan, H. H. Huang, and G. L. Wilkes, Southeastern Graduate Polymer Conference, Georgia Institute of Technology, Atlanta, GA, April 1989. (Contributed International – Meeting)
221. "Structure-Property Behavior of Sol-Gel Derived Hybrid Materials," A. B. Brennan and G. L. Wilkes, VPI&SU/AKZO First Annual Program Review, Blacksburg, VA, November 1988. (Invited Regional Presentation – Meeting)

Organizer/Co-Organizer:

1. Society of Biomaterials Conference, Orlando, FL, Anthony B. Brennan, Local Chair April 13 -16, 2011.
2. "International Workshop on Concepts & Strategies for Surface Engineering to Control Biofouling," Anthony B. Brennan, ONR/AMBIO, St. Petersburg, FL, December 8-10, 2009. (co-organizer)
3. "A Predictive Biosesttlement Model," Anthony B. Brennan, 2009 Virginia Tech Polymer Symposium, Blacksburg, VA, July 16-18, 2009. (co-organizer)
4. "Designed Composite Interfaces Using Novel Polymeric Coupling Agents," A. B. Brennan, American Chemical Society, Las Vegas, NV, September 7-11, 1997
5. "Statistically Designed Study of Oligomeric Dispersants Based on Acrylic Acid, Acrylamide, Methyl Acrylate, and Acrylamido-2-methyl-1-propanesulfonic Acid," A. B. Brennan, American Chemical Society, September 7-11, 1997
6. "Challenge to the Development of Dental Restorative Materials at an Academic Institution," A. B. Brennan, American Chemical Society, Las Vegas, NV, September 7-11, 1997
7. "Thermal Analysis of Dental Resins Containing Methacrylic Acid Anhydride as a Diluent," A. B. Brennan, American Chemical Society, Las Vegas, NV, September 7-11, 1997
8. "Effects of Nadic Methyl Anhydride on Mechanical and Thermomechanical Properties of Dental Materials," A. B. Brennan, American Chemical Society, Las Vegas, NV, September 7-11, 1997

Moderator/Session Chair:

1. "Bioinspired Surfaces," Anthony B. Brennan, International Workshop on Concepts & Strategies for Surface Engineering to Control Biofouling, St. Petersburg, FL, December 8-10, 2009. (Co-organizer/Session chair)
2. ZRG1 F15-D (20), Lung and Blood Institute , Anthony B. Brennan, NIH/CSR, October 16, 2009. (co-chair)
3. SPRS, Heart, Lung and Blood Institute, Anthony B. Brennan, NIH, July, 2009. (co-chair)
4. "Advanced Processing of Bioceramics," Anthony B. Brennan, 33rd International Conference and Exposition on Advanced Ceramics and Composites, Daytona Beach, FL, January 18-23, 2009.

5. "Non-toxic antifouling systems and new strategies for fouling control 4," Anthony B. Brennan, 14th International Congress on Marine Corrosion and Fouling, Kobe, Japan, July 27-31, 2008.
6. "Surface Gradients and Biological Response," Anthony Brennan, Gordon Research Conference, Interfaces Chemistry At, Waterville Valley, NH, July 13-18, 2008.
7. "Characterization of Polymers." A.B. Brennan, 4th National Graduate Research Polymer Conference – American Chemical Society, Hattiesburg, MS, June 18-21, 2000.
8. "In-Situ Organic and Inorganic Modifications of a Sol-Gel-Derived Elastomeric Hybrid," A. B. Brennan, T. M. Miller, and R. A. Vinocur, American Chemical Society Meeting, San Diego, CA, March 15, 1994.

CONTRACTS AND GRANTS FUNDED: All include direct and indirect cost.

1. Sharklet Technologies:PI: Reddy; Consultant: Brennan, Pending; Priority Score 18; \$1,107,617, Micro-patterned surfaces for reducing the risk of catheter-associated UTI, NIH, App # 2R44-DK084590-02.
2. DOE: PI: Fletcher; Co-Investigator: Brennan, 9/2010-9/2010, \$175,251, Rugadized military laptop fuel cell power supply, DOE
3. Sharklet Technologies, PI: Reddy; Consultant: Brennan, 09/01/2009 – 03/31/2010, \$168,404, Micro-patterned surfaces for reducing the risk of catheter-associated UTI, Grant No., 1R43DK084590-01.
4. DARPA/Teledyne, PI: Notice of Award DATED: September 04,2009, \$2,652,153, DSO: Bio-Inspired, Non-Toxic and Durable Antifouling Surfaces for Ship Hulls, DARPA-09-23-DyPOB-FP-003 (Recalled 3/2010).
5. Sharklet Technologies, PI: Brennan, 06/30/08 – 12/29/08, \$112,852, FHTCC: Factors Controlling Bacterial Adhesion – Part II: Sharklet + 3SK2x2 Topography, Contract #2008-002-STL
6. Sharklet Technologies, PI: Brennan, 11/15/07 – 05/14/08, \$78,303, FHTCC: Factors Controlling Bacterial Adhesion – Part I: Sharklet + 2SK2x2 Topography, Contract #2007-001-STL
7. Lockheed Martin, PI: Brennan, 06/01/06 – 07/31/08, \$1,486,967, Development of a Creep Mitigation Process for Ultra High Molecular Weight Polyethylene Fiber for the ISI Program, Contract #06K0046
8. Revenue from Endowed Professorship for Ross, PI: Brennan, 09/01/05 – 06/30/10, \$129,140
9. Lockheed Martin, PI: Brennan, 08/01/05-11/28/08, \$200,000, Reduced Creep in Ultra High Molecular Weight Polyethylene Fiber, Contract #05Z2166
10. UF Foundation, PI: Brennan, 08/01/03-07/31/04, \$16,470, Ross Research Fellowship
11. Office of Naval Research, PI: Brennan, 06/30/03 – 10/31/04, \$124,901, Dynamic Non-Toxic, Anti-Fouling/Foul Release Coatings, Contract #N00014-03-1-0919
12. Office of Naval Research, PI: Brennan, 11/04/02 – 01/31/03, \$6,114, A Workshop on the Fundamentals of Antifouling and Foul Release in the Marine Environment, Contract #N00014-03-1-0162

13. Eastman Chemical Company, PI: Brennan, 08/11/02-12/31/03, \$10,000, Creation and Evaluation of Designed Polymeric Interfaces
14. Office of Naval Research, PI: Brennan, 03/01/02-06/30/10, \$1,458,750, The Chemical-Mechanical Control Of Marine Biofouling/Foul Release With Engineered Topographies, Contract #N00014-02-1-0325
15. Whitaker Foundation, PI: Brennan, 5/1/00 - 10/30/01, \$20,000, A Broad Based Biomedical Engineering Department at the University of Florida
16. Office of Naval Research, PI: Brennan, 05/01/99 – 06/30/02, \$326,602, The Role of Surface Properties of PDMS Coatings Marine Biofouling by Enteromorpha, Contract #N00014-99-1-0795
17. Whitaker Foundation, PI: Brennan, 5/1/99 - 4/16/01, \$40,000, Development Of Biometric Bone Replacement Materials
18. NIH, CO-PI: Brennan, 3/1/00 - 2/28/05, \$930,413, Biomimetic Structures And Composites
19. Dept of the Army, CO-PI: Brennan, 11/1/99 - 10/31/01, \$4,926,000, Materials And Devices For Optical Sources And Protection Of Optical Sensors
20. Kimberly Clark, PI: Brennan, 6/99 - 6/00, \$30,000, Surface Properties Of Menses Modifiers
21. Ford Motor Company-Visteon, PI: Brennan, 1/1/99 - 12/31/00, \$75,414, Application Of Strain Sensitive Paint To Static And Dynamic, Contract #19990093
22. Ford Motor Company, PI: Brennan, 1/1/98 - 6/30/99, \$18,232, Implementation Of Strain Sensitive Paints
23. Structural Technologies, Inc, CO-PI: Brennan, 5/14/98 - 8/13/98, \$5,342, Composite Panel Testing
24. National Science Foundation, PI: Brennan, 9/1/97 - 8/31/01, \$37,875, Dispersion, Agglomeration & Consolidation, Contract #EEC-9402989
25. Misc Part/Industry Aff/Donors, PI: Brennan, 8/1/97 - 8/6/98, \$15,000, Integrated Product & Process Design Program
26. Ford Motor Company, PI: Brennan, 11/1/96 - 12/31/97, \$103,866, Strain Sensitive Paints For Experimental Stress Analysis
27. Photosense, PI: Brennan, 8/1/96 - 8/1/97, \$34,398, Development Of A Pressure Sensitive Paint Based On Inorganic/Organic Hybrid Technology, Contract #A100.
28. Cordis Corp, PI: Brennan, 3/1/94 - 4/30/96, \$150,000, Vascular Catheter Studies: Polymer-Tissue Surface Interactions In The Physiological Environment
29. Cordis Corp, PI: Brennan, 1/1/94 - 12/31/96, \$300,000, Biomaterials For Stents
30. Dow, PI: Brennan, 1/1/94 - 12/31/94, \$20,000, Surface Modification Of San

31. NIH, PI: Brennan, 9/29/93 - 9/30/99, \$507,000, Non-Shrinking Bioactive Composites
32. GE Medical, PI: Brennan, 1/1/93 - 12/31/94, \$25,000, Optimization Of Epoxide Cure Characteristics
33. NSF NHMFL, PI: Brennan, 9/1/92 - 8/30/94, \$46,000, Epoxy Development For 4k
34. Dupont, PI: Brennan, 1/1/91 - 12/31/93, \$75,000, Inorganic–Organic Hybrid Materials

UNIVERSITY GOVERNANCE AND SERVICE:

	University Committee	UF	Position	Dates
1.	Special Pay Plan Committee	UF	Member	2008
2.	Presidential-Faculty Senate Implementation of Shared Governance Task Force	UF	Co-Chair	2006-2007
3.	UF Intercollegiate Athletic Committee	UF	Member	2004-2007
4.	UF Senate Nominating Committee	UF	Member	2002-2004
5.	Presidential-Faculty Senate Shared Governance Task Force	UF	Co-Chair	2003-2007
6.	UF Faculty Senate	UF	Chair	2003-2005
7.	Graduate Coordinators Advisory Council	UF	Member	2003-2006
8.	Advisory Council of Faculty Senates	UF		2002-2005
9.	UF Faculty Senate	UF	Chair-Elect	2002-2003
10.	UF Senate Steering Committee	UF	Member	2001-2005
11.	UF Shared Governance	UF	Chair	2001-2002
12.	DSR Search for Director	UF	Member	1997
	College Committee	COE	Position	Dates
13.	Biomedical Engineering Steering	COE	Member	1997-1999
14.	BME Chair Search	COE	Chair	2001-2002
15.	BME Academic Committee	COE	Chair	1997-2006
16.	Curriculum Committee	COE	Member	1997-2006
17.	Biomedical Engineering Graduate	COE	Member	1996-1997
	Department Committee	Dept	Position	Dates
18.	MSE T&P Policy Committee	MSE	Member	2012-3
19.	Nuclear Engineering Director Search Committee	MSE	Member	2010
20.	Graduate Admissions Committee	MSE	Member	2010-12
21.	Faculty By-Laws Committee	MSE	Chair	2010-present
22.	Faculty Search Committee	MSE	Member	2010
23.	Academic Committee	MSE	Member	2009 - present
24.	Academic Committee	BME	Chair	1997-2004
25.	Faculty Search Committee (2)	MSE	Member	2004-2006
26.	Curriculum Committee	MSE	Chair	2001-2002
27.	PhD Candidacy Exam (CO8)	MSE	Member	1992-2002
28.	Undergraduate Committee	MSE	Member	1991-2002
29.	Curriculum Committee	MSE	Member	1991-2001
30.	Space Committee	MSE	Chair	1997-2000
31.	Faculty Search Committee	MSE	Chair	1996
32.	Faculty Search Committee	MSE	Member	1995

REVIEWER:

1. Chemistry of Materials

2. Journal of Polymer Science Part B: Polymer Physics
3. Langmuir
4. Materials Research Society Proceedings
5. Polymer
6. Macromolecules
7. National Science Foundation
8. ACS Petroleum Research Fund
9. Department of Energy Small Business Innovation Research
10. Journal of Biomedical Materials Research – Part A
11. Acta Biomaterialia
12. Biofouling

INTERNATIONAL ACTIVITIES:

1. Invited expert in Marine Antifouling Technologies for the Netherlands Office of Science and Technology.-2010
2. Lecture for the SEAGRANT EU Program, University of Birmingham, UK.-2010
3. Co-Organizer for the 2012 International Conference on Marine Corrosion-Fouling at Newcastle, UK – 2010.
4. Invited Lecture at the International Conference on Marine Corrosion-Fouling at Newcastle, UK – 2010
5. Member of Organizing for the Comité International Permanent pour la Recherche sur la Préservation des Matériaux en Milieu Marin (COIPM).
6. Canada Proposal Reviews – 2009
7. Reviewer for the French National Research Agency – 2009
8. International Union of Pure and Applied Chemistry, Titular Member (1994 – 1999)
9. Nominated for Advisory Panel to the Brazilian Government Special Panel on NanoScience & Engineering

SERVICE TO SCHOOLS:

1. Mentored Episcopal High School Student Randall Drew, Jacksonville, FL (2nd in State Engineering Competition)
2. Science Fair Judge – Alachua County School District
3. Class presentations at Glens Springs Elementary
4. Class presentations at Westwood Middle School Science – Fall 2005
5. Supervised Bucholz High School student science projects – 1995 thru 1997

MEMBERSHIP AND ACTIVITIES IN THE PROFESSION:

1. Society of Biomaterials (2000 – present)
2. Materials Research Society (1993 – present)
3. American Chemical Society - Polymer Education Committee (1992-2001)
4. American Chemical Society - Division of Polymer Chemistry (1991 – present)
5. American Chemical Society - Division of Polymer Materials Science & Engineering (1991 – present)
6. American Association for Advancement of Science (1991-2005)
7. American Chemical Society (1987 – present)
8. Society of Plastics Engineering (1987-2005)

GOVERNMENT/OUTSIDE UNIVERSITY CONSULTATIONS:

1. Expert witness activities provided upon request.
2. National Science Foundation, Panel Member, Phase I Panel on Coatings, February 20, 2013
3. University of Massachusetts Amherst Nanoscale Science & Engineering Center Site Visit Team - 2010
4. PhD Committee Member for Marcella Roba, Eidg. Technische Hochschule Zürich ETH ETH-Zentrum ETH-Bibliothek, Zurich, Switzerland - 2010

5. Outside Reviewer – Promotion and Tenure for Professor Steve Miller, University of Florida – 2009
6. Taught short course to 18 people on hydrogels - Johnson & Johnson Vistakon Short Course on Hydrogels - 2008
7. Outside Reviewer for Professor Foulger, Clemson University – 2007
8. Consultant/Expert on dental composites - 3M – Chicago, IL - 2007
9. Reviewed/recommended technology strategies - Honeywell Specialty Materials Scientific Advisory Board (2005-2007) – 2 year service
10. Outside Reviewer for Promotion and Tenure for Professor Mark Segal, University of Florida – 2006
11. Outside Reviewer for Promotion and Tenure for Professor Keith Ozaki, University of Florida – 2006
12. Member – Review NIH SBIR/STTR submissions - NIH Special Panel SSSW – Heart, Lung, Blood Institute – 1995-2006
 - a. NIH Special Allocations for Director – 1999-2000
 - b. NSF Review Panel on Advanced Health Care Technologies
13. Outside Reviewer for Professor Lickfield, Clemson University – 2004
14. Consultant/Expert on elastomer extrusions/surface designs - Trico Products Inc. – Detroit, MI – 2003
15. Scientific Advisory Board – Cabot Microelectronic Systems, Aurora, IL – 2011 to present

ADDITIONAL ACTIVITIES:

1. Member of SUNY Potsdam College Foundation, Board of Trustees, October 2013 – present.
2. Keynote Address at 2013 Innovation Celebration Symposium at University of Florida, UF Conference Center, March 14, 2013
3. Member Faculty Administrative Advisory Council to the President
4. The Whitaker Foundation Site Visit for BME Program
5. Graduate Coordinator for Polymers and Biomaterials Students in MSE
6. Graduate Coordinator for MSE – Polymers and Biomaterials
7. Advisor for MSE Connection – A Student Organization
8. Tours for Students Enrolled in Intro to Engineering (EGN 1002)
9. ABET Departmental Activity
10. District Commissioner for Alachua County, BSA 1998-2000 (2 year term)
11. Silver Beaver Award for Outstanding Service to BSA 1999 (1 of 14 selected from 7800 volunteers)
12. Assistant Scoutmaster Troop 454
13. Course Director/Staff Member on BSA Wood Badge 21st Century Leader Training Programs
14. Member Gainesville Energy Advisory Committee
15. Course Director for Boy Scouts of America Wood Badge Training Course (2007-08)
16. Highlighted by Discovery Channel as part of Shark Week 20th Anniversary – Perfect Predator (2007)
17. Chief Technology Officer and Co-founder of Sharklet Technologies LLC – Technology transfer by UF
18. Highlighted as an Inventor by the Cade Foundation Museum for Invention, Innovation and Inspiration
19. [Impact of engineered surface microtopography on biofilm formation of Staphylococcus aureus - Biointerphases](#) - 6/07
20. [The Gainesville Sun newspaper](#) - 12/3/2007
21. [Engineered nanoforce gradients for inhibition of settlement \(attachment\) of swimming algal spores](#) - *Langmuir* - 3/25/08
22. [Shark skin shows how to keep surfaces clean](#) - *Medical Design Magazine* - 6/1/08
23. Part I - [Perfect Predators: Shark Skin](#) - *Discovery Channel* - 7/2008
24. Part II - [Perfect Predators: Life Saving Shark Skin](#) - *Discovery Channel* - 7/2008
25. [Micro-embossed sharkskin film pattern is antimicrobial](#) - *Plastics Technology* - 7/2008
26. [From evolution to medical solution](#) - *University of Florida, Materials World / Science and Engineering* - Summer 2008 Issue
27. [Tech 'borrowed' from sharks may help fight bacteria](#) - *Denver Business Journal* - 6/27/08
28. [Sharkskin patterned surface could fight hospital infections](#) - *Tech Journal South* - 8/15/08

29. [Breakthroughs - Engineered surface inhibits biofilm formation](#) - *Medical Product Manufacturing News* - 9/08
30. [Bacteria-fighting film based on pattern of fish's scales](#) - *The Denver Post* - 9/19/08
31. [What sharks can teach hospitals about preventing infection](#) - *The Wall Street Journal Health Blog* - 9/19/08
32. [NNY native helps fight bacteria buildup](#) - *Watertown Daily Times* - 9/25/08
33. [Sharkskin technology inhibits germ growth](#) - *Florida Trend Magazine* - 10/08
34. [Florida-based company looks to sharks to combat hospital infections](#) - *European Medical Device Manufacturer* - November / December 2008
35. [Sharklet technology bets on antibacterial topographies](#) - *MedGadget* - 12/17/2008
36. Co-organizer of the MSE 50th Reunion
37. [Sharkskin surface topography inhibits bacterial growth](#) - *HospitMedica* - 1/7/09
38. [Sharklet featured on Denver's 850 KOA-AM News Radio](#) - *850 KOA-AM* - 2/16/09
39. [New medical biotechnology featuring Sharklet](#) - *Studio 12, KBDI-TV, PBS*, Denver - 2/25/09
40. [Sharklet Technologies: Perhaps a predator is actually man's best friend](#) - *Rocky Radar* - 2/26/09
41. [Company models anti-disease surface on sharks' skin](#) - *KUSA-TV NBC Denver* - 4/1/09
42. [Green cleaning gaining ground](#) - *Healthcare Purchasing News* - 4/09
43. [Fledgling Sharklet takes a cue from nature](#) - *FierceBiotech* - 4/09
44. [Sharkskin - The latest craze in catheters](#) - *Mental Floss* - May-June 2009
45. [Office of Naval Research - New Hull Coatings for Navy Ships Cut Fuel Use, Protect Environment](#) (News Release + Video with Sharklet as featured technology) - 6/09
46. [Sharklet Technologies Closes on \\$1.5 Million in Series A Financing](#) – News release 6/09
47. [Sharkskin Solutions - Explore Magazine at University of Florida](#) - 7/09
48. [Technology Spotlight on Sharklet Technologies](#) - *WCJB-TV ABC 20 North Central Florida* - 7/09
49. [Sharks in the Emergency Room](#) - *Discovery Channel Tech Online* - 7/09
50. [Biomimetic Technologies with Sharklet Technologies](#) - *Brink - The Science Channel* - 7/09
51. [Scientists' research targets ways to keep ships barnacle free](#) - *Stars & Stripes* - 8/09
52. [The Science of Biomimicry](#) - *Canadian Global TV News* - 9/09
53. [Material Based on Sharkskin Stops Bacterial Breakouts](#) - *Popular Science* - 10/09
54. [Sharklet Technologies Awarded NIH SBIR Grant for Develop of Urinary Catheter with Sharklet Pattern](#) – news reslease 11/09
55. [Innovation: A New Way to Fight Germs](#) - *Inc. magazine*- 11/09
56. [16:9 The Bigger Picture](#) - *Global National TV in Canada* - 11/09
57. Sharklet Technologies Awarded NIH SBIR (Small Business Innovation Research) Grant for Development of Urinary Catheter with Sharklet™ Pattern, November 2009
58. [2009: The Year in Innovation](#) - Sharklet named one of top nine in 2009 - *Inc. magazine* – 12/09
59. [8 Lessons Medicine is Learning from Mother Nature](#) - *Discover magazine* - 12/09
60. Sharklet Technologies Wins ‘Early-Stage Shootout’ at Southeast Bio’s Investor Forum, December 2009
61. [Shark skin used to keep germs at bay](#), *My FOX*, Tampa Bay – 2/11/10
62. [A hygienic surface thanks to skark skin](#), *Wired Magazine UK* – 2/10
63. [The Materials Driving Product Innovation in 2010](#), *Fast Company Magazine* – 3/10
64. Sharklet featured as a question on Jeopardy, Friday, February 4, 2011.
65. Prof. Brennan & Sharklet featured on [CBS Sunday Morning News](#) on Sunday, February 6, 2011.
66. Prof. Brennan & Sharklet featured on [NOVA Series Smarter Materials](#), Wednesday, February 9, 2011.
67. Invited speaker for “Early Stage Start-up Series for Faculty Entrepreneurs” University of Florida, Office of Technology Licensing, February 15, 2011.