

Invited Lectures: at Companies

- 73 Michael A. Brook, Yang Chen, Sijia Zhang, Cody B. Gale, Robert Bui, Shuai Liang, Adrien Lusterio, Guanhua Lu, Amanda Fawcett, Jianfeng Zhang and many others, Saint Gobain, Northborough MASS. Oct. 2022
Can More Sustainable Silicones Cost Less?
- 72 Michael A. Brook, Yang Chen, Sijia Zhang, Cody B. Gale, Robert Bui, Kyle Faiczak, Andrea Feinle, Shuai Liang, Adrien Lusterio, Guanhua Lu, Amanda Fawcett, Jianfeng Zhang and many others, Saint Gobain, Northborough MASS. Oct. 2022
Which Silicones Do You Want: Passive or Active?
- 71 Michael A. Brook, 3M Minneapolis, Minn. USA (by ZOOM) Sept. 2022
Why don't silicone polymer chemists do much organic chemistry? Some simple strategies for improved control
- 70 Michael A. Brook, Dupont, Braine l'Alleud, Belgium May 2022
Are We at "Peak Silicones": What's Left to Discover?
- 69 Michael A. Brook, Dow Chemical, Seneffe, Belgium May 2022
Enabling silicones for sustainability and enabling sustainability with silicones: Hydrosilicones and new fillers
- 68 Michael A. Brook, Bayer Oy, CPD Finland, Pharmaceuticals, Turku Finland Feb. 2021
Strategies to Control Silicone Biocompatibility: 'On, In and Through' Strategies
- 67 Michael A. Brook, CG Tower, Cambridge ON Jan. 2019
Silicone Foams and Green Fillers
- 66 Michael A. Brook, COTY Inc. Darmstadt, Germany, Nov. 2018
Controlling Interfaces between Silicones and Natural Materials
- 65 Michael A. Brook, St. Gobain, Northborough Mass Oct. 2017
Silicone Foams and Green Fillers
- 64 Michael A. Brook, Dow Corning Corporation, Seneffe, Belgium Nov. 2016
New Synthetic Strategies to Control Silicone Interfaces
- 63 Michael A. Brook, Dow Corning Corporation, Seneffe, Belgium Nov. 2016
What Dow Corning Taught Me About Industrial Silicone Chemistry: The Kipping Award Lecture
- 63 Michael A. Brook, Biomax, Guangzhou China Oct. 2016
New Challenges and New Opportunities with Silicones
- 62 Michael A. Brook, Dow Corning Corporation, Midland Michigan Sept. 2016
Academic Research Driven by (Mis)Perceptions of Industrial Silicone Chemistry?
- 61 Michael A. Brook, Woodbridge Foam, Woodbridge, Ontario June 2016
Silicone Foams and Lignin Reinforcing Agents
- 60 Michael A. Brook, Chem-Trend, Howell MI Feb. 2016
Beyond Hydrophobicity: Controlling Silicone Surface Activity
- 59 Michael A. Brook, BioMax, Guangzhou China Oct. 2015
Kipping – A Brook Retrospective
- 58 Michael A. Brook, Mirexus, Guelph ON Oct. 2015
Interfacial control using silicones: manipulating growth of nanostructures
- 57 Michael A. Brook, BioMax, Guangzhou China May 2015
Controlling Silicones
- 56 Michael A. Brook, Gelest, Morrisville, PA March 2015

	<i>Using Boron to Make Silicones</i>	
55	Michael A. Brook, St. Jean Photochimie, Inc., St. Jean sur Richelieu, Quebec <i>Silicones with Precise Structures</i>	Apr. 2014
54	Michael A. Brook, BYK, Wesel Germany <i>Controlling Silica and Silicone Structures and Interfaces</i>	Sept. 2013
53	Michael A. Brook, Restek Corp., Bellefonte, PA <i>Controlling Siloxane Structures and Interfaces</i>	Aug. 2013
52	Michael A. Brook, Dow Corning Toray, Chiba Japan <i>Finding New Ways to Structure Silicones</i>	Oct. 2012
51	Michael A. Brook, Akermin, St. Louis MO, <i>Structuring Silica and Titania for Biocompatibility</i>	Mar. 2012
50	Michael A. Brook, Dow Corning Seneffe Belgium <i>Changing the Paradigm: Are 6 Reactions Enough?</i>	Dec. 2011
49	Michael A. Brook, Dow Corning Seneffe Belgium <i>Finding New Ways to Structure Silicones</i>	Dec. 2011
48	Michael A. Brook, Milliken Chemical <i>Interfacial Control: New Strategies for Surface Active (Functional) Silicones</i>	May 2011
47	Michael A. Brook, Bluestar Silicones <i>Silicones: Four Stories</i>	March 2011
46	Michael A. Brook, L'Oréal, Paris <i>Functional Silicones from Natural Materials: Implications for Personal Care</i>	Apr. 2010
45	Michael A. Brook, Heather Sheardown, Vista Optics, Widnes UK <i>Controlling Surface and Materials Properties for Ophthalmic Applications</i>	Apr. 2010
44.	Michael A. Brook, BSN Hamburg, Germany <i>Using Silicones with in Topical Applications: Strategies for Protein Delivery</i>	Nov. 2008
43.	Michael A. Brook, Lilly, Indianapolis <i>Using Silicones with Pharmaceutical Actives: The Case of Protein Delivery</i>	March 2008
42.	Michael A. Brook, Heather Sheardown, Synergeyes, Carlsbad CA <i>Controlling Surface and Materials Properties for Ophthalmic Applications</i>	Nov. 2006.
41.	Michael A. Brook, Heather Sheardown, St. Jude Medical, Thousand Oaks, CA <i>Controlling Surface and Materials Properties for Biomaterials Applications</i>	Nov. 2006.
40.	Michael A. Brook, AMGEN, Sylmar, CA <i>Exploiting Silicone Protein Interactions</i>	Nov. 2006.
39	Michael A. Brook, Wacker Chemie, Burghausen Germany <i>Using Synthesis to Structure Interfaces: Making Silica and Silicones Biocompatible</i>	Jan. 2006
38	Michael A. Brook, Xerox (XRCC) 2005 <i>Learning from Nature: Morphological Control of Silica under Mild Conditions</i>	Feb.
37	Michael A. Brook, Vistikon, Jacksonville Florida <i>Controlling biology at silicone interfaces: an integrated approach to ocular materials</i>	Dec. 2004
36	Michael A. Brook, AMO, Newport Beach, CA <i>Controlling biology at silicone interfaces: an integrated approach to ocular materials</i>	March 2004
35	Specialty Minerals, Allentown, PA	March 2004

- Protein-doped, controlled morphology silica monoliths and chelating silicones: Learning from nature*
- 34 Michael A. Brook, Air Products, Allentown, PA March 2004
- Protein-doped, controlled morphology silica monoliths: Learning from nature*
- 33 Michael A. Brook, QLT, Vancouver March 2004
- An Integrated Approach to New Ocular Materials*
- 32 Michael A. Brook, Novartis Cibavision, Atlanta Georgia June 2003
- Stabilizing Proteins in Silica and Silicones*
- 31 Michael A. Brook, Alcon, Fort Worth June 2003
- Stabilizing Proteins in Silica and Silicones*
- 30 Michael A. Brook, Dow Corning, Midland Michigan Apr. 2002
- Controlling Enzyme Stability in Water-in-Silicone Oil Emulsions*
- 29 Michael A. Brook, Genencor, Palo Alto Aug. 2001
- Silicone/protein interactions: Modifying hydrophobic/hydrophilic interactions to control both protein and interfacial stability*
- 28 Michael A. Brook, Sasol, Austin Texas Aug. 2001
- An Introduction to Silanes and Silicones*
- 27 Michael A. Brook, General Electric Corporate Research and Development, Waterford NY May 2001
- Silicones at Biopolymers Interfaces: A Look at Beneficial and Not-So-Beneficial Fouling*
- 26 Michael A. Brook, NPS Pharmaceuticals Mar. 2001
- Silicone:Protein Conjugates: Emulsions that Stabilize Proteins Against Denaturation*
- 25 Michael A. Brook, Alcon, Fort Worth, Texas Feb. 2001
- Protein-Silicone Mixtures for Biological Cleaning Applications*
- 24 Michael A. Brook, Glaxo Canada Feb. 2001
- Silicone:protein conjugates: emulsions that stabilize proteins against denaturation.*
- 23 Michael A. Brook, GE-Bayer, Leverkusen June 2000
- Silicon at the Interface: New Surface Active Silanes and Silicones*
- 22 Michael A. Brook, Goldschmidt, Essen June 2000
- Silicon at the Interface: New Surface Active Silanes and Silicones*
- 21 Michael A. Brook, Specialty Minerals, Allentown PA April 2000
- Chelating Silicones*
- 20 Michael A. Brook, CK Witco Corp. (Sistersville WV) Dec. 1999
- Looking for New Hydrophilic Substrates to Bind to Silicones*
- 19 Michael A. Brook, Michigan Molecular Institute, Midland MI Oct. 1999
- Silicones at the Interface: What Do Biopolymers Offer*
- 18 Michael A. Brook, General Electric, Waterford Oct. 1999
- Silicones at the Interface: The Benefits of Combining Silicones with Biopolymers*
- 17 Michael A. Brook, Unilever, Port Sunlight, UK Sept. 1998
- Working with Silicones*
- 16 Michael A. Brook, National Starch, New Jersey June 1998
- Confusing Nature: A Look at the Hydrophobization of Biopolymers Using Silanes and Silicones*
- 15 Michael A. Brook, Brantford Chemical Inc. Dec. 1997

- Using Silicon Chemistry in Drug Delivery: Prodrugs Based on Modified Silica and Oral Protein Delivery Using Silicones*
- 14 Michael A. Brook, Unilever, UK, Dec. 1997
Surface Active Materials Based on Silanes, Silicones and Natural Polymers.
- 13 Michael A. Brook, Dow Corning Corp. Sept. 1997
Silicone-Organic Copolymers the Natural Way: An Exploration of Silicone- and Silane-Modified Biopolymers
- 12 Michael A. Brook, MacMillan Bloedel, Vancouver BC Sept. 1997
(Reversible) Modification of Biopolymers Using Silane, Silicone and Organic Coupling Agents.
- 11 Michael A. Brook, Eastman Chemical, Kingsport, Tennessee Aug. 1997
Wood-Plastic Composites: A Role for Organosilane and Silicone Chemistry
- 10 Michael A. Brook, Rhône Poulenc, Lyon, France Feb. 1997
Two Very Different Areas of Silicone Chemistry: Hydrosilsequioxane-platinum catalysts and Silicone-biopolymer copolymers
- 9 Michael A. Brook, General Electric, Schenectedy, NY Dec. 1996
Hard and soft siloxanes: hydrosilsequioxane: platinum catalysts and silicone: protein copolymers
- 8 Michael A. Brook, 3M London, Ontario Sept. 1996
Sticking to Biopolymers: Using the Concept of Functional Group Protection in Polymer Adhesion
- 7,6 Michael A. Brook, Rhône Poulenc, Paris, France (2 lectures) May 1996
Sterically Stabilized Silica Colloids
Silicone-Protein Copolymers
- 5 Michael A. Brook, Organon, Akzo, Oss, The Netherlands April 1993
Silicon as Mediator: Making the Drugs and Delivering Them to the Patient
- 4 Michael A. Brook, Shell Research Amsterdam (KSLA) July 1990
- 3 Michael A. Brook, Dow Corning Corporation (Midland, USA) April 1990
- 2 Michael A. Brook, University of Toronto April 1988
- 1 Michael A. Brook, Xerox Research Centre of Canada Sept. 1988