Stuart L. Cooper

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EDUCATION

B. S.	Chemical Engineering	Massachusetts Institute of Technology	1963
Ph.D.	Chemical Engineering	Princeton University	1967

PROFESSIONAL EXPERIENCE

1/67 - 9/71	Assistant Professor of Chemical Engineering, University of Wisconsin
9/71 - 7/74	Associate Professor of Chemical Engineering, University of Wisconsin
1/74 - 7/74	Visiting Associate Professor of Chemical Engineering, The University of California, Berkeley
7/74 - 12/92	Professor of Chemical Engineering, University of Wisconsin
2/77 - 8/77	Visiting Professor of Chemical Engineering, Technion, Haifa, Israel
11/88, 5/91	Visiting Professor, Université Paris-Nord
7/83 - 6/89	Chairman, Department of Chemical Engineering, University of Wisconsin
1/93 - 8/98	Dean and H. Rodney Sharp Professor, College of Engineering, University of Delaware
9/98 - 7/01	Vice President and Chief Academic Officer of the Main Campus and Phillip Danforth Armour Professor, Illinois Institute of Technology
8/01 - 1/03	Provost and Vice Chancellor for Academic Affairs, North Carolina State University
8/01 - 12/03	Professor of Chemical Engineering, North Carolina State University
1/07-	Adjunct Professor of Biomedical Engineering, Joint Department of Biomedical Engineering, North Carolina State University/UNC-Chapel Hill
1/04 -	Professor of Chemical Engineering, Ohio State University
1/04-9/14	Chairman, Department of Chemical and Biomolecular Engineering, Ohio State University

PROFESSIONAL AFFILIATIONS

Florida State University, Department of Chemical and Biomedical Engineering, External Advisory Board, 2015-

Council for Chemical Research, Governing Board 2009-2011, Executive Committee 2010

University of South Carolina, Department of Chemical Engineering Research Advisory Board, 2003-2012

North Carolina State University/University of North Carolina, Chapel Hill Joint Department of Biomedical Engineering Advisory Board 2005- 9 (Chair 2005-2007)

Illinois Institute of Technology, Department of Biomedical Engineering, Advisory Board, 2008-2011

University of Wisconsin, Department of Biomedical Engineering External Advisory Board 1999-2003 Chair (2000)

University of Washington, National ESCA and Surface Analysis Center for Biomedical Problems (NESAC/BIO), Advisory Board, 1995-2003

National Research Council, NIST Review Panel for Materials Science and Engineering 1996-1999

National Institutes of Health, Surgery and Bioengineering Study Section 1992-1996

Princeton University, Department of Chemical Engineering Visiting Committee 1995-1998

Whitaker Foundation, Guest Reviewer 1994

Uiversity of Toronto, External Review Committee on Undergraduate and Graduate Programs in the Department of Chemical Engineering and Applied Chemistry, The University of Toronto 1994, 2000

University of California-Santa Barbara, External Faculty Review Committee, Department of Chemical and Nuclear Engineering 1989

Argonne National Laboratory Intense Pulsed Neutron Source, Program Committee 1985-1989
Users Advisory Committee 1987-1989

University of Chicago, Special Committee for Argonne National Laboratory's 6 GeV Synchrotron Development l984-1986

National Science Foundation Materials Research Advisory Committee 1984-1988

Argonne Universities Association, Board of Trustees, Committee on Reactor Development, Committee for the Intense Pulsed Neutron Source (IPNS) 1975-1981

PROFESSIONAL ASSOCIATION/SOCIETY MEMBERSHIPS

American Chemical Society, Polymer Division, Polymer Science and Materials Engineering, Rubber Division, Symposium Chairman, 1978 National Meeting, Anaheim, CA- "Multiphase Polymers", Symposium Chairman, 1992 National Meeting, Washington, DC- "Unilever Award Symposium"

American Physical Society (Fellow),High Polymer Physics Division, Program Chairman of 1979 March Meeting of Division, Elected to Executive Committee (1985-1988)

Society of Rheology, Bingham Award Committee (1990-1993- Chairman 1993)

American Institute of Chemical Engineers (Fellow), Materials Engineering and Sciences Division, Awards Committee and Director, 1994-1995, Symposium Chairman, 1980 National Meeting, Chicago, IL "Morphology, Structure and Properties of Biomaterials", Symposium Co-Chairman, 1985 National Meeting, Chicago, IL "Morphology, Structure and Interactions of Biomaterials", Symposium Co-Chairman, 1989 April Meeting, Houston, TX "Innovations in Polyurethane Technology", Symposium Co-Chairman, 1989 National Meeting, San Francisco, CA "Proteins, Cells and Biomaterials"

American Association for the Advancement of Science (Fellow) Chair, Section on Engineering 2000,Engineering Council representative 2012-2017

Sigma Xi, The Scientific Research Society, (Member), Provost's Office participation in the local section Annual Meeting of the North Carolina State University 2001-2003.

Society for Biomaterials (International Fellow-Biomaterials Science and Engineering), Awards Committee (1986-1989), Program Committee (1989), Program Chairman (1994), Program Committee (2006), Board of Directors, Member-at-Large (1993-94), Board of Directors, Bylaws Chairman (1994-95) President 1996-97, Awards Committee, Chairman (2003-04), Intl. Fellows Selection Comm. Chair (2010)

American Institute of Medical and Biological Engineering (Founding Fellow), Nominating Committee (1994-96)

AWARDS AND HONORS

1971 - 72 DuPont Young Professor, Department of Chemical Engineering, University of Wisconsin
1976 Best Paper Award, ACS Rubber Chemistry Division
1977 Lady Davis Fellowship, Department of Chemical Engineering, Technion, Haifa, Israel
1981 Chairman, Gordon Research Conference on Ion Containing Polymers
1987 Clemson Award for Basic Research, Society for Biomaterials
1987 Charles M. A. Stine Award, American Institute of Chemical Engineers
1988 B.F. Ruth Lecture, Iowa State University
1989- 93 Paul A. Elfers Professor, University of Wisconsin
1993- 98 H. Rodney Sharp Professor, University of Delaware

1996- 97 President, Society for Biomaterials
1997 Intl. Award for Achievement in Biomaterials, Japanese Society for Biomaterials
1998 Harvey G. Fair Memorial Lecture, University of Oklahoma
2005 Johansen-Crosby Lecture, Michigan State University
2010 Founders Award, Society for Biomaterials
2011 Elected to the National Academy of Engineering
2013 Chemistry of Thermoplastic Elastomers Award, ACS Division of Rubber Chemistry
2013 Distinguished Professor of Engineering, Ohio State University
2014 Founders Award, American Institute of Chemical Engineers

RECENT KEYNOTE/PLENARY LECTURES

February, 2011, "Cellular and Protein Interactions on Self Assembled Monolayer Surfaces", Proteins and Cells at the Biointerface, Seattle, WA

March, 2012 "Polyurethanes at Biointerfaces", 6th International Symposium on Intelligent Drug Delivery Systems, Seoul, Korea

December, 2012, "Selective Endothelial Progenitor Cell Adhesion and Growth on Peptide-linked Scaffolds", Symposium on the Future of Biomaterials, Maui, Hawaii

December, 2013 "Methacrylic Terpolymers Containing Sulfobetaine for Cardiovascular Tissue Engineering" International Conference on Bioinspired and Zwitterionic Materials, Hangzhou, China

OTHER PROFESSIONAL ACTIVITIES

Advisory Boards

Mattson Institute for Spectroscopic Research, Scientific Advisory Board 1986-1988
Cytotherapeutics, Scientific Advisory Board 1991-1992
Delaware Manufacturing Alliance, Board of Directors 1993-1998
Polymedica Inc., Scientific Advisory Board 1994-1996
Markwell, Inc., Scientific Advisory Board 1995-2000
Delaware Science, Math and Technology Education Foundation, Board of Directors '96-'98
CardioTech, Scientific Advisory Board 1996-1999
Elastomedic, Scientific Advisory Board 1999-2000
Aortec, Scientific Advisory Board 2001-2003
North Carolina School of Science and Mathematics, Board of Trustees 2001- 2003
Wake Education Partnership, Board of Directors, 2001- 2003
Research Triangle Institute, Board of Governors, 2001- 2003
Triangle Universities Center for Advanced Studies, Inc., Board of Trustees 2001- 2003
Triangle Research Libraries Network, Board of Governors, 2001- 2003

Corporate Activity

Founder and President: CCL Biomedical, Newark Delaware, 2002-2004

Editorial Advisory Boards

Macromolecules, l986-1988
J. Appl. Polymer Science, 1980-1988
Annals of Biomedical Engineering, 1981-1985
Biomedical Science and Technology, 1990-1993
Biomaterials, 1983-2004
J. Biomedical Materials Research, 1985-present
J. Macromolecular Science, Polymer Physics Edition, 1986-1996
Polymer Bulletin, 1988-1998
J. of Polymer Engineering, 1995-2004

Co-founding Editor

J. Biomaterials Science, Polymer Edition, 1988-present

Expertise: Polymer Science and Engineering, Structure-Property Relations of Polyurethanes, Ionomers and Block Polymers, Mechanical and Dielectric Spectroscopy, X-Ray Scattering, EXAFS Analysis of Ion Containing Polymers, Polyurethane Biomaterials, Blood-Material Interactions