

CURRICULUM VITAE

Richard James Saykally

<http://www.cchem.berkeley.edu/rjsgrp/>

The Class of 1932 Endowed Professor of Chemistry
University of California, Berkeley, CA 94720-1460, U.S.A.
(Born: 1947; Rhinelander, Wisconsin)

Professional Interests: Synchrotron X-ray spectroscopy of liquids, femtosecond nonlinear optical spectroscopy of liquid interfaces, terahertz laser spectroscopy of clusters and ions, aqueous evaporation and surface processes, electrokinetic phenomena, astrophysics, electrochemical interfaces, science education.

- UC Berkeley Distinguished Teacher
- Research advisor for 68 Ph.D. and 7 M.S. Graduates and 51 Postdoctorals
- Coauthor of over 400 Scientific Articles (> 26,000 citations; Hirsch number = 81)
- Recipient of over 70 honors and awards from 9 different countries

Education B.S. (1970) University of Wisconsin – Eau Claire
 Ph.D. (1977) University of Wisconsin – Madison (with R. C. Woods)
 Postdoctoral (1977-79) NIST – Boulder (with K. M. Evenson)

SELECTED AWARDS, HONORS, LECTURESHIPS (71 total)

National Research Council Postdoctoral Fellowship – 1977
Camille and Henry Dreyfus Award – 1979
NSF Presidential Young Investigator – 1984-88
UC Berkeley Miller Research Professor – 1985-86
Fellow – Royal Society of Chemistry – 1986
UW-Eau Claire Distinguished Alumnus Award – 1987
Bergman Lectureship, Yale University – 1987
Merck-Frost Lectureship, University of British Columbia – 1988
Bomem Michelson Prize for Spectroscopy (Coblentz Society) – 1989
E.K. Plyler Prize for Molecular Spectroscopy (APS) – 1989
Fellow – American Physical Society – 1989
E.R. Lippincott Medal for Spectroscopy (OSA, SAS) – 1992
Distinguished Teaching Award, University of California-Berkeley – 1992
Harrison Howe Award (ACS-Rochester Section) – 1992
Bourke Medal, U.K. Royal Society of Chemistry – 1992
L.J. Bircher Lectureship, Vanderbilt University – 1993
Fellow – Optical Society of America – 1994
Churchill Fellowship, Cambridge University – 1995
Harry Emmett Gunning Lectureship, University of Alberta – 1995
Fellow – American Academy of Arts and Sciences – 1995
Humboldt Senior Scientist Award, Federal Republic of Germany – 1995
Samuel M. McElvain Lectureship, University of Wisconsin-Madison – 1995

UC Berkeley Miller Research Professor – 1997-98
Pittsburgh Spectroscopy Award, Spectroscopy Society of Pittsburgh – 1999
UC-Berkeley Class of 1932 Chair – 1999
Bryce Crawford Lectureship, University of Minnesota – 1999
Frontiers in Chemical Research, Distinguished Lecturer, Texas A&M University – 1999
Member – National Academy of Sciences – 1999
Sesquicentennial Colloquium Lecturer in Chemistry, University of Utah – 2000
Irving Langmuir Award in Chemical Physics (ACS) – 2000
Rayson Huang Distinguished Lecturer, University of Hong Kong – 2000
Dreyfus Distinguished Lecturer in Chemistry, Dartmouth College – 2001
Centenary Medal, U.K. Royal Society of Chemistry – 2001
Fellow – American Association for the Advancement of Science – 2001
Moses Gomberg Lecturer, University of Michigan – 2002
Distinguished Lecturer in Molecular Sciences, Chinese Academy of Sciences – 2002
Edward Mack Award in Chemistry, Ohio State University – 2004
Malcolm Dole Distinguished Lecturer, Northwestern University – 2004
Joannes Markus Marci Medal, Academy of Sciences of the Czech Republic – 2004
R. A. Woodward Lecturer, Harvard University – 2004
Ernest Orlando Lawrence Award in Chemistry, U.S. Department of Energy – 2004
Peter C. Reilly Lecturer in Chemistry, University of Notre Dame – 2005
Morino Lectureship, Morino Foundation of Japan – 2005
John Willard Lectureship in Chemistry, University of Wisconsin – 2006
Distinguished Visiting Professor, University of Florida – 2006
Mary E. Kapp Lectureship, Virginia Commonwealth University – 2006
Hinshelwood Lectureship in Physical Chemistry, Oxford University – 2006
Christensen Fellow, St. Catherine's College, Oxford University – 2006
Greg Watson Memorial Lecturer, Rutherford Appleton Laboratory, United Kingdom – 2006
UC Berkeley Miller Research Professor – Fall 2006
Richard B. Bernstein Lectureship, UCLA – 2007
Robert S. Mulliken Lectureship, University of Georgia – 2007
Charles M. Knight Lecturer, University of Akron – 2007
Frank T. Gucker Lectureship, University of Indiana – 2007
Abbott Lecturer, University of North Dakota – 2008
Inaugural International Solvay Chair in Chemistry, Belgium – 2008
ICI Distinguished Lecturer, University of Calgary – 2008
Frontiers in Chemistry Lecturer, Wayne State University – 2008
Peter DeBye Award in Physical Chemistry (ACS) – 2009
Frontiers in Chemical Physics and Analysis Lecturer, PNNL – 2009
Harold S. Johnston Lectureship, Emory University – 2009
Marple-Schweitzer Lectureship, Northwestern University – 2010
Student Advisory Committee Lectureship, University of Utah-2011
J.C. Bose Lecturer, IACS Kolkata-2011
Morris Travers Lecturer, IIS Bangalore-2011
Golden Jubilee Lectureship, IIT Delhi-2011
Institute Distinguished Lectureship, IIT Kanpur-2011
A.C. Albrecht Lectureship, Cornell University-2011

CGGS Distinguished Lecturer, University of British Columbia-2011
Faraday Lectureship Prize, UK Royal Society of Chemistry-2012
W.A. Noyes Distinguished Lecturer, University of Texas(Austin)-2013
Central Speaker, V Columbian Congress in Theoretical and Computational Chemistry
(VENQTC); Medellin, Columbia-2014

PROFESSIONAL ACTIVITIES

Co-Director – “Science for Science Teachers (S4ST),” NSF Summer Training Institute for Junior High School Science Teachers – 1989-93
Co-Director – “Prime Science,” NSF Junior High School Curriculum Development Project – 1992-present
Advisory Committee – Radio Astronomy Laboratory (UCB) – 1996-present
Canvassing Committee – Irving Langmuir Award (ACS) – 1996-2001
Executive Committee – Division of Chemical Physics (APS) – 1995-1999
Laser Science Topical Group Fellowship Committee (APS) – 1993-present
Selection Committees – E.K. Plyler Prize (APS), Ellis R. Lippincott Medal (OSA)
Editor – Chemical Physics Letters (2008)
Editorial Advisory Board – The Journal of Physical Chemistry – 2003
Journal Editorial Review Boards – Molecular Physics (1983-present), Spectroscopy (1986-present), Review of Scientific Instruments (1987-90), Chemical Physics Letters (1987-present), Journal of Chemical Physics (1993-95), Journal of Molecular Spectroscopy (1995-present), European Journal of Chemical Physics and Chemistry (2000-present), Journal of Physical Chemistry (2002-present), Editor – The Cambridge Series in Molecular Sciences, Cambridge University Press (2003)
Triennial Oversight Committee for the NSF – 1992
Executive Committee – Western Spectroscopy Conference – 1982-85
International Steering Committee – Twelfth International Conference on Laser Spectroscopy (TWICOLS ‘95)
Board of Directors, Space Sciences Laboratories, UC Berkeley 1983-86
Member – American Association of University Professors, American Association for the Advancement of Science, American Chemical Society
University of California – Committee on Teaching, Committee on Research, Committee on Committees, Committee on Budget and Interdepartmental Relations
Miller Institute Advisory Board Executive Committee – 2008-Present
Lawrence Berkeley National Laboratory – Divisional Council, Division of Chemical Sciences – 2012-Present
Advisory Committee – RESOLV; Center of Excellence, Ruhr University; Bochum, Germany – 2012-Present

PROFESSIONAL EXPERIENCE

Assistant Professor of Chemistry, University of California-Berkeley (1979-83)
Associate Professor of Chemistry, University of California-Berkeley (1983-86)
Faculty Scientist, Chemical Sciences Division, LBNL (1983-91, 2002-09)
Professor of Chemistry, University of California-Berkeley (1986-present)
Vice Chairman, Department of Chemistry; University of California-Berkeley (1988-91)

Class of 1932 Professor of Chemistry, University of California-Berkeley (1999-present)
Faculty Senior Scientist, Chemical Sciences Division, LBNL (2009)

Visiting Professor: University of Nijmegen (1991), Max-Planck-Institute for Fluid Dynamics-Göttingen (1991), Cambridge University (1995), University of Montpellier (1996), Technical University-Munich (1996-97), Max-Planck Institute for Solid State Physics-Stuttgart (1999), Physics Institute, University of Cologne (2000), Fritz Haber Institute-Berlin (2001), Max-Planck-Institute for Extraterrestrial Physics-Munich (2002-05, 2007-08), Max-Planck-Institute for Biochemistry-Martinsried (2002), Oxford University (2006), Université Libre Brussels (2008)

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