

## Honorary Members

Honorary members are those individuals who have made exceptional contributions to the art and science of spectroscopy in scientific or laboratory research, development of new or innovative instrumentation or equipment, or development of aids, standards, etc., that help spectroscopists practice their craft in a more efficient and accurate manner. They are awarded a lifetime membership and subscription to *Applied Spectroscopy*.

A.O. Beckman\*  
F. Bentley\*  
J. Bertie  
L.S. Birks\*  
R.R. Brattain\*  
F. Brech\*  
I.D. Brent II\*  
W.R. Brode\*  
H.H. Cary\*  
B. Chase  
F.F. Cleveland\*  
W.W. Coblentz\*  
N.B. Colthup\*  
B. Crawford  
J.A. Dean\*  
M.B. Denton  
V.A. Fassel\*  
W.G. Fateley\*  
J.R. Ferraro  
J. Grasselli Brown  
P.R. Griffiths  
H.S. Gutowsky\*  
J. Harris  
G.R. Harrison\*  
R.C. Hawes\*  
G. Herzberg\*  
G.M. Hieftje  
T. Hirschfeld\*  
E.S. Hodge\*  
R. Jarrell\*  
E.K. Jaycox\*  
W.I. Kaye\*  
W. Kiefer  
G.F. Kirkbright\*  
J. L. Koenig  
S. Roy Koirtyohann  
I. Levin

H.A. Liebhafsky\*  
R.C. Lord, Jr.\*  
A.G. Marshall  
W.F. Meggers\*  
M.G. Mellon\*  
R.E. Michaelis\*  
F.A. Miller  
K. Nakamoto  
H.H. Nielson\*  
A.O. Nier\*  
I. Noda  
K. Norris  
R.A. Nyquist\*  
N. Omenetto  
E.K. Plyler\*  
W.J. Poehlman\*  
T.C. Rains  
G. Richmond  
H. Rose\*  
A. Savitzky\*  
B. Scribner\*  
H.W. Siesler  
C.M. Sitterly\*  
W. Slavin  
F.H. Spedding\*  
L.W. Strock\*  
M. Tasumi  
R. Van Duynes  
G.V. Wheeler\*  
C.L. Wilkins  
E. Bright Wilson\*  
J.D. Winefordner  
R. Woodruff\*  
N. Wright\*

\*deceased

## Emeritus Members

Members who have contributed to spectroscopy and have been members of the Society for Applied Spectroscopy for 15 years, and now have retired from active scientific endeavor.

Glen F. Bailey  
H.J. Bollingburg  
S. Crouch  
William Dennen  
Anne R. Donnell  
Edward C. Dunlop  
Rudolph Dyck  
Janus Y. Ellenburg  
John E. Forrette  
Donald M. Frankel  
Jacob Fuchs  
E.L. Grove  
Bruce E. Hofmann  
David Hercules  
Ruth A. Kaselis

C.T. Kenner  
William E. Koerner  
Bruce M. LaRue  
Marvin Margoshes  
Howard Mark  
Leopold May  
Robert McDonald  
Rudd A. Meikeljohn  
Paul A. Munter  
A.T. Myers  
Samuel Natelson  
Deibert A. Naumer  
Delores J. Phillips  
Theodore C. Rains  
David W. Steinhaus

### **Distinguished Service Award**

*This award was established to recognize members for continued outstanding service to the Society.*

1981	Edwin S. Hodge*	1996	No Award Given
1982	James J. Devlin, S.J.*	1997	Constance Butler Sobel
1983	Jeanette G. Grasselli-Brown	1998	Marvin Margoshes
1984	Alvin Bober	1999	Michael Epstein Truman Waugh
1985	Andrew Rekus*	2000	James A. Holcombe Wolfgang Kiefer
1986	John R. Ferraro G. Vernon Wheeler*	2001	John R. Jackovitz Nancy J. Miller-Ihli
1987	William G. Fateley* C.L. Grant	2002	Douglas L. Shrader
1988	Abram Davis* I. D'Arcy Brent II*	2003	David Coleman Patricia Coleman
1989	James E. Paterson*	2004	Kathryn Kalasinsky
1990	O. Karmie Galle*	2005	Rina K. Dulor
1991	John A. Dean	2006	Joseph Caruso
1992	Genevieve M. Bonini* James R. Lindsay*	2007	Laurance A. Nafie
1993	No Award Given	2008	Peter Griffiths Deborah Bradshaw
1994	F. Monte Evens* Wilbur Kaye*	2009	Paul Farnsworth Joel Harris
1995	Jack E. Katon*	2010	Alex Scheeline
		2011	Michael Carrabba
		2012	David Butcher
		2013	Bruce Chase
		2013	Curt Macott

\*deceased

### **William J. Poehlman Award**

*Named in honor of the first president of the Society and one of its founders, this award is granted annually to the Local Section whose activities are judged as most outstanding.*

1975	Virginia-Carolina	1993	Chicago
1976	New England	1994	Chicago
1977	No Award Given	1995	Chicago
1978	Rocky Mountain	1996	Chicago
1979	Chicago	1997	Chicago
1980	Baltimore-Washington	1998	Chicago
1981	New England	1999	Cincinnati
1982	Cincinnati	2000	New York
1983	Milwaukee	2001	Chicago
1984	Baltimore-Washington	2002	New England
1985	Pittsburgh	2003	Cleveland
1986	Baltimore-Washington	2004	Cleveland
1987	Cincinnati	2005	Cleveland
1988	Ohio Valley	2006	Cleveland
1989	No Award Given	2007	New York
1990	Southern California	2008	Cleveland
1991	Chicago	2009	Cleveland
1992	Houston	2010	New England New York
		2011	Cleveland
		2012	Cleveland
		2012	New York
		2013	New York

### **Journal Award/William F. Meggers Award**

Since 1960, a single article has been selected each year from the Journal for citation as the most outstanding. This award was initiated through courtesy of SPEX Industries, Inc. The award included a cash honorarium. In 1968, the name of the Journal Award was changed in order to commemorate the outstanding spectroscopist William F. Meggers. In 1978, the sponsorship of the Meggers Award was transferred from SPEX Industries to the Spectroscopy Society of Pittsburgh. In 1991, the award was turned over to the Leco Corporation. The following are the recipients of these awards.

- 1960 W.K. Baer and E.S. Hodge for "The Spectrochemical Analysis of Solutions: A Comparison of Five Techniques."
- 1961 T. Lee for "The Spectrographic Determination of Uranium 235."
- 1962 L.R. Pitwell for "Equations for Working Curves in Emission Spectroscopy."
- 1963 L.R. Leipziger for "Some New Upper Limits of Isotopic Abundance by Mass Spectrometry."
- 1964 W.G. Schrenk and R.W. Johnson for "Mechanisms of Interactions of Alkali and Alkaline Earth Elements in Flame Photometry."
- 1965 J.B. Irenopvich, A.G. MacDearmid, and E.R. Nixon for "Infrared and Raman Spectra of Some Pentamethyldisilanyl Compounds."
- 1966 B.J. Mitchell and N.F. Hooper for "Digital Computer Calculations and Correction of Matrix Effect in X-Ray Spectroscopy."
- 1967 Michael L. Parsons and James D. Winefordner for "Optimization of the Critical Instrumental Parameters for Achieving Maximum Sensitivity and Precision in Flame Spectrometric Methods of Analysis."
- 1968 Harry J. Rose and Frank Cuttitta for "X-Ray Fluorescence Analysis of Individual Rare Earths and Complex Minerals."
- 1969 J.P. Walters for "Historical Advances in Spark Emission Spectroscopy."
- 1970 C.D. Allemand for "Depolarization Ratio Measurement in Raman Spectrometry."
- 1971 C.R. Brundle for "Some Recent Advances in Photoelectron Spectroscopy."
- 1972 M.S. Wang for "Impurity Determination in Group III-V Compounds."
- 1973 V.F. Hanson for "Quantitative Elemental Analysis of Art Objects by Energy-Dispersion X-Ray Fluorescence Spectroscopy."
- 1974 John R. Ferraro and Louis J. Basile for "Spectroscopy at High Pressures: Status Report and Update of Instrumental Techniques."
- 1975 M.L. Parsons, R.J. Lovett, and D.L. Welch for "On the Importance of Spectral Interferences in Atomic Absorption Spectroscopy."
- 1976 Bernard Keisch and Robert C. Callahan for "Sulfur Isotope Ratio in Ultramarine Blue: Application to Art Forgery Detection."
- 1977 Thomas Hirschfeld for a series of brief, but original and illuminating, papers.
- 1978 C.A. Van Dijk, C. Th. J. Alkemade, and P.J. Zeegers for "Pulsed Laser Mode Competition with a Na-Colored Intracavity Flame."
- 1979 John P. Walters and Alexander Scheeline for "Investigation of Bipolar Oscillatory Spark Discharge."
- 1980 John C. Wright for "Double Resonance Excitation in the Condensed Phase: An Alternative to Infrared, Raman, and Fluorescence Spectroscopy."
- 1981 C. Th. J. Alkemade for "Single-Atom Detection."
- 1982 G. Mamantov, A.A. Garrison, and E.L. Wehry for "Analytical Applications of Matrix Isolation Fourier Transform Infrared Spectroscopy."
- 1983 S. B. Smith and G.M. Hieftje for "A New Background Correction Method for Atomic Absorption Spectrometry."
- 1984 N. Sheppard and J. Erkelens for "Vibrational Spectra Absorbed on Surfaces: Forms of Vibrations and Selection Rules for Regular Arrays of Absorbed Species."
- 1985 E.A. Stubbley and G. Horlick for "A Windowed Slew-scanning Fourier Transform Spectrometer for Inductively Coupled Plasma Emission Spectrometry."
- 1986 T. Hirschfeld and B. Chase for "FT-Raman Spectroscopy: Development and Justification."
- 1987 David C. Tilotta, Robert D. Freeman, and William G. Fateley for "Hadamard Transform Visible Raman Spectrometry."
- 1988 David Lubman, Ho Ming Pang, and Chung Hang Sin for "Pulsed High-Pressure Liquid Injection of Biological Molecules into Supersonic Beam/Mass Spectrometry with Resonant Two-Photon Ionization Detection."
- 1989 Marek Urban for "A Novel Approach to Photoacoustic FT-IR Spectroscopy: Rheo-Photoacoustic Measurements."

- 1990 Isao Noda for "Two-Dimensional Infrared (2D IR) Spectroscopy: Theory and Applications."
- 1991 Alexander Scheeline, Cheryl A. Bye, Duane L. Miller, Steven W. Rynders, and R. Calvin Owen, Jr. for "Design and Characterization of an Echelle Spectrometer for Fundamental and Applied Emission Spectrochemical Analysis."
- 1992 P.J. Treado, I.W. Levin, and E.N. Lewis for "Near-Infrared Acousto-optic Filtered Spectroscopic Microscopy: A Solid-State Approach to Chemical Imaging."
- 1993 J. Lin and C.W. Brown for "Universal Approach for Determination of Physical and Chemical Properties of Water by Near-IR Spectroscopy."
- 1994 Patrick J. Treado, Ira W. Levin, and E. Neil Lewis for "Indium Antimonide (InSb) Focal Plane Array (FPA) Detection for Near-Infrared Imaging Microscopy."
- 1995 Steven E. Hobbs and Gary M. Hieftje for "Scintillator-Based Nanosecond Light Sources for Time-Resolved Fluorimetry."
- 1996 T. Rick Fletcher, Matt Rekow, Dwayne Rogge and David Sammeth for "Vaporization of Nonvolatile and Matrix-Isolated Molecules Using a Novel Laser Vaporization Technique."
- 1997 Michel Pézolet and Anne Nabet for "Two-Dimensional FT-IR Spectroscopy: A Powerful Method to Study the Secondary Structure of Proteins Using H-D Exchange."
- 1998 Katrin Kneipp for "Single-Molecule Detection of a Cyanine Dye in Silver Colloidal Solution Using Near-Infrared Surface-Enhanced Raman Scattering."
- 1999 Jack L. Koenig, Rohit Bhargava, and Travis Ribar for "Towards Faster FT-IR Imaging by Reducing Noise."
- 2000 Laurence A. Nafie for "Dual Polarization Modulation: A Real-Time, Spectral-Multiplex Separation of Circular Dichroism from Linear Birefringence Spectral Intensities"
- 2001 Neil Everall, Thomas Hahn, Pavel Matousek, Anthony W. Parker, and Michael Towrie for "Picosecond Time-Resolved Raman Spectroscopy of Solids: Capabilities and Limitations for Fluorescence Rejection and the Influence of the Diffuse Reflectance."
- 2002 Ira Levin, Scott Huffman, and Rohit Bhargava for "Generalized Implementation of Rapid-Scan Fourier Transform Infrared Spectroscopic Imaging."
- 2003 Boris Mizaikoff, Marcus Janotta, and Abraham Katzir for "Sol-Gel-Coated Mid-Infrared Fiber-Optic Sensors."
- 2004 Hiro-O Hamaguchi and Hirotsgo Hiramatsu for "Development of Infrared Electroabsorption Spectroscopy and Its Application to Molecular Structural Studies."
- 2005 Pavel Matousek, Ian Clark, Edward Draper, Michael Morris, Allen Goodship, Neil Everall, Mike Towrie, William Finney, and Anthony Parker for "Subsurface Probing in Diffusely Scattering Media Using Spatially Offset Raman Spectroscopy."
- 2006 Ryan D. Pensack, Bozena B. Michniak, David J. Moore, and Richard Mendelsohn for "Infrared Kinetic/Structural Studies of Barrier Reformation in Intact Stratum Corneum Following Thermal Perturbation."
- 2007 Taka-Aki Ishibashi and Toshiki Maeda "Infrared Kinetic/Structural Studies of Barrier Reformation in Intact Stratum Corneum Following Thermal Perturbation"
- 2008 Christian Pellerin, Robert Prud'homme, Yongri Liang, and Damien Mauran for "A New Method for the Time-Resolved Analysis of Structure and Orientation: Polarization Modulation Infrared Structural Absorbance Spectroscopy"
- 2009 Patrick Cutler, Paul Gemperline, David Haaland, and Erik Andries for "Methods for Kinetic Modeling of Temporally Resolved Hyperspectral Confocal Fluorescence Images"
- and
- Patrick Cutler, Paul Gemperline, and David Haaland for "Systematic Method for the Kinetic Modeling of Temporally Resolved Hyperspectral Microscope Images of Fluorescently Labeled"
- 2010 Kent A. Meyer, Kin C. Ng, Zhanjun Gu, Zhengweil Pan, Robert Shaw, and William B. Whitten for "Combined Apertureless Near-Field Optical Second-Harmonic Generation/Atomic Force Microscopy Imaging and Nanoscale Limit of Detection"
- 2011 S. Michael Angel, Nathaniel R. Gomer, Christopher M. Gordon, Paul Lucey, Shiv K. Sharma, and J. Chance Carter for "Raman Spectroscopy Using a Spatial Heterodyne Spectrometer: Proof of Concept"
- 2012 Paul Pudney, Eleanor Bonnist, Peter Caspers, Jean-Philippe Gorce, Chris Marriot, Gerwin Puppels, Scott Singleton, and Martin van der Wolf for "A New in Vivo Raman Probe for Enhanced Applicability to the Body"
- 2013 Rohit Bhargava, Rohith Reddy, Michael Walsh, Matthew Schulmerich, and P. Scott Carney for "High-Definition Spectroscopic Imaging"

### **Ellis R. Lippincott Award**

*The Ellis R. Lippincott Award is given annually to a worthy recipient in vibrational spectroscopy. The award is sponsored jointly by the Society for Applied Spectroscopy, the Coblenz Society, and the Optical Society of America. An engraved medal is presented to each year's award recipient.*

1976 Richard Lord (SAS)	1993 John Rabolt (Coblentz)
1977 Lionel J. Bellamy (Coblentz)	1994 Herbert L. Strauss (OSA)
1978 Bryce L. Crawford (OSA)	1995 Giocinto Scoles (SAS)
1979 E. Bright Wilson (SAS)	1996 Giuseppe Zerbi (Coblentz)
1980 George C. Pimentel (Coblentz)	1997 Robin Hochstrasser (OSA)
1981 Ian M. Mills (OSA)	1998 Takeshi Oka (SAS)
1982 Michael Delhays (SAS)	1999 Mitsuo Tasumi (Coblentz)
1983 John Overend (Coblentz)	2000 Donald Levy (OSA)
1984 Jon Hougen (OSA)	2001 Lester Andrews (SAS)
1985 Ira W. Levin (SAS)	2002 Sanford A. Asher (Coblentz)
1986 Wolfgang Kaiser (Coblentz)	2003 Shaul Mukamel (OSA)
1987 C. Bradley Moore (OSA)	2004 Richard A. Mathies (SAS)
1988 Andreas Albrecht (SAS)	2005 Jaan Laane (Coblentz)
1989 Marilyn Jacox (Coblentz)	2006 Hai-Lung Dai (OSA)
1990 Robert W. Field (OSA)	2007 Jonathan Tennyson (SAS)
1991 No Award Given	2008 Richard Palmer Van Duyne (Coblentz)
1992 Richard Saykally (SAS)	2009 Michael D. Fayer (OSA)
	2010 Martin Moskovits (SAS)
	2011 Isao Noda (Coblentz)
	2012 Keith Nelson (OSA)
	2013 Xiaoliang Sunney Xie (SAS)

### **Student Award**

*This award is presented annually to an outstanding student in the field of spectroscopy. It was renamed the McPherson Student Award in 1990 and the Graduate Student Award in 1993. In 2009, the award was renamed the Barbara Stull Graduate Student Award in posthumous honor of her longtime service to the Society office.*

1977 Harvey S. Gold	2008 Sean Burrows and Christina Young
1978 Gregory Johnson	2009 Larissa Fenn and Arindam Ganguly
1979 William J. Ray	2010 Karolin Kroening and Olivier Bolduc
1980 Katherine M. Stika	2011 Rui Liiu and Rohith Reddy
1981 Kevin J. Mulligan	2012 Ruchira Chatterjee and Nathaniel Gomer
1982 Robert Weinberger	2013 Marie Richard-Lacroix and Andrew Schwartz
1983 Thomas A. Anderson	
1984 Stephen Scypinski	
1985 Greg Verdine	
1986 Shi-Kit Chan	
1987 Bryant R. LaFreniere	
1988 Jonathan V. Sweedler	
1989 William T. Weisler	
Robert Lingle, Jr.	
Eric Munson	
1992 Cheryl A. Bye	
1993 Christopher J. Frank	
1994 Wade R. Thompson	
1995 Whe-Yi Chiang	
1996 Jeffery Kinzer	
1997 Paul Edmiston	
1998 Stone Donghui Shi	
1999 Gary A. Baker	
2000 Christopher D. Zangmeister	
2001 Christine Hughey	
2002 Jan Kubelka	
2003 Dev Chidambaram	
2004 Juris Meija	
2005 Kaveh Jorabchi	
2006 George Chan and Philipp Kukura	
2007 Gary Dobbs	

### **Lester W. Strock Award**

The Lester W. Strock Award is given by the New England Section in recognition of a selected publication of substantive research in/or application of analytical atomic spectrochemistry in the fields of earth science, life sciences, or stellar and cosmic sciences.

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| 1980 John P. Walters   | 1994 Richard F. Browner, Guangxuan Zhu |
| 1981 David M. Hercules   | 1995 Michael D. Morris                 |
| 1982 Charles Wilkins   | 1996 Richard A. Keller                 |
| 1983 M. Barber, R.S. Bardoli, R. D. Sedgwick,<br>A.N. Tyler  | 1997 Therese M. Cotton                 |
| 1984 Gary M. Hieftje, Stanley B. Smith, Jr.  | 1998 Sandford Asher                    |
| 1985 C.R. Blakley, M.L. Vestal   | 1999 D. Bruce Chase                    |
| 1986 Robert S. Houk, Velmer A. Fassell,<br>Gerald D. Flesch, Harry J. Svec, Alan L.<br>Gray, and Charles E. Taylor | 2000 Max Diem<br>John Olesik           |
| 1987 Richard Sacks, J.M. Goldberg, R.J. Collins,<br>S.Y. Suh   | 2002 Julian Tyson                      |
| 1988 Thomas C. O'Haver   | 2003 Ramon Barnes                      |
| 1989 Gary Horlick, Martha A. Vaughn, S.H. Tan  | 2004 James D. Winefordner              |
| 1990 Edward S. Yeung   | 2005 Richard Russo                     |
| 1991 M. Bonner Denton  | 2006 Paul Farnsworth                   |
| 1992 G. Hieftje  | 2007 Detlef Günther                    |
| 1993 Willard W. Harrison   | 2008 Annemie Bogaerts                  |
|  | 2009 Nicolo Omenetto                   |
|  | 2010 Kay Niemax                        |
|  | 2011 David Hahn                        |
|  | 2012 Ralph Sturgeon                    |
|  | 2013 Richard Russo                     |
|  | 2014 Stephen Ray                       |

### **Fellows Award**

This award is established to recognize individual members for their outstanding service to the field of spectroscopy. Fellows must continue to be members in good standing of the Society in order to maintain Fellow status. All Honorary Members of the Society shall be granted Fellowship automatically.

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|------------------|--------------------|
| F. Adar          | N. Everall         |
| M. Arnold        | E. Eyring          |
| R. Aroca         | P. Farnsworth      |
| S. Asher         | J. Ferraro         |
| R. Barnes        | J. Gardella        |
| J. Bertie        | R. Garrell         |
| M. Blades        | M.W. George        |
| P. Bohn          | D. Graham          |
| K. Booksh        | J. Grasselli-Brown |
| P. Bourassa      | P.R. Griffiths     |
| D. Bradshaw      | D. Haaland         |
| F. Bright        | H. Hamaguchi       |
| J.A.C. Broekaert | J. Harris          |
| D. Butcher       | C. Hassell         |
| M. Carrabba      | D. Hercules        |
| J. Caruso        | G.M. Hieftje       |
| J. Chalmers      | J.A. Holcombe      |
| B. Chase         | S. Houk            |
| R. Corn          | J. Jackovitz       |
| B. Crawford      | K. Kalasinsky      |
| S. Crouch        | S. Kazarian        |
| V. Deckert       | T. Keiderling      |
| J. de Haseth     | W. Kiefer          |
| B. Denton        | K. Kneipp          |
| M. Diem          | J. L. Koenig       |
| M. Donais        | S. Roy Koirtyohann |
| R.K. Dukor       | I. Lednev          |
| C. Dybowski      | B. Lendl           |
|                  | I. Levin           |

*E. Neil Lewis*  
*I. Lewis*  
*F. Lytle*  
*C. Marcott*  
*M. Margoshes*  
*R. Mathies*  
*L. May*  
*R. McCreery*  
*F.A. Miller*  
*N. Miller-Ihli*  
*M. Morris*  
*A.G. Marshall*  
*P. Matousek*  
*K. Norris*  
*O. Mullins*  
*L. Nafie*  
*K. Nakamoto*  
*K. Niemax*  
*I. Noda*  
*J. Olesik*  
*N. Omenetto*  
*Y. Ozaki*  
*J. Paterson*  
*M. Pelletier*  
*M. Pezolet*  
*D. Pivonka*  
*J. Popp*  
*J. Rabolt*  
*T.C. Rains*  
*M. Ramsey*  
*J. Reffner*  
*G. Richmond*  
*R. Russo*  
*J. Rydzak*  
*A. Sanz-Medel*  
*A. Scheeline*  
*H. Seisler*  
*W. Slavin*  
*S. Soper*  
*N. Stone*  
*M. Tasumi*  
*G. Thomas*  
*P. Treado*  
*R. Van Duyn*  
*F. Vanhaecke*  
*I. Warner*  
*C.L. Wilkins*  
*J.D. Winefordner*  
*M. Wirth*  
*J. Wright*  
*E. Yeung*