



## Henry Marion Howe Medal

|                                     |      |                                 |      |
|-------------------------------------|------|---------------------------------|------|
| Emanuel J. Janitzky .....           | 1922 | and Morris Cohen .....          | 1945 |
| Francis F. Lucas .....              | 1924 | Charles R. Austin and           |      |
| Horace H. Lester .....              | 1925 | Maurice C. Fetzner .....        | 1946 |
| Frederick C. Langenberg .....       | 1926 | W. A. Pennington .....          | 1947 |
| Wesley P. Sykes .....               | 1927 | J. W. Spretnak .....            | 1948 |
| Oscar E. Harder and                 |      | B. L. Averbach, Morris Cohen    |      |
| Ralph L. Dowdell .....              | 1928 | And S. G. Fletcher .....        | 1949 |
| Carl R. Wohman .....                | 1929 | W. O. Binder, C. M. Brown and   |      |
| Herbert J. French .....             | 1930 | Russell Franks .....            | 1950 |
| Edgar C. Bain and                   |      | B. J. Lazan .....               | 1951 |
| Kalman Heindlhofer .....            | 1931 | E. M. Mahla and                 |      |
| Francis M. Walters,                 |      | N. A. Nielsen .....             | 1952 |
| Cyril Wells, Maxwell Gensamer, and  |      | Lew F. Porter and               |      |
| John F. Eckel .....                 | 1932 | Phillip C. Rosenthal .....      | 1953 |
| Joseph V. Emmons .....              | 1933 | H. J. Beattie, Jr., and         |      |
| John Chipman .....                  | 1934 | F. L. VerSnyder .....           | 1954 |
| Trygve D. Yensen                    |      | A. E. Nehrenberg and            |      |
| and Nicholas A. Ziegler .....       | 1935 | Peter Lillys .....              | 1955 |
| A.G.H. Andersen                     |      | R. Frohberg, W. J. Barnett, and |      |
| and Eric R. Jette .....             | 1937 | A. R. Troiano .....             | 1956 |
| Joseph Winlock and                  |      | F. N. Rhines, W. E. Bond, and   |      |
| Ralph W. E. Leiter .....            | 1938 | M. A. Kissel .....              | 1957 |
| Charles S. Barrett,                 |      | George Gerard and               |      |
| Gerhard Ansel, and                  |      | Ralph Papirno .....             | 1958 |
| Robert F. Mehl .....                | 1939 | J. E. Dorn, F. E. Hauser, and   |      |
| Marcus A. Grossmann,                |      | P. R. Landon .....              | 1959 |
| Morris Asimow and                   |      | Frederick N. Rhines and         |      |
| S. F. Urban .....                   | 1941 | John B. Clark .....             | 1960 |
| Walter A. Schlegel .....            | 1942 | J. C. Shyne, V. F. Zackay and   |      |
| Shadburn Marshall                   |      | D. J. Schmatz .....             | 1961 |
| and John Chipman .....              | 1943 | Sigmund Weissmann .....         | 1962 |
| R. A. Flinn, Earnshaw Cook,         |      | Paul K. Trojan and              |      |
| and J. A. Fellows .....             | 1944 | R. A. Flinn .....               | 1963 |
| Dara P. Antia, Stewart G. Fletcher, |      | B. I. Edelson and               |      |



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|-----------------------------------|------|----------------------------------------|------|
| William Baldwin, Jr. ....         | 1963 | H. Dolle and J. B. Cohen .....         | 1981 |
| A. J. McEvily, Jr., R. H. Bush,   |      | G. A. Irons and                        |      |
| F. W. Schaller, and               |      | R. I. L. Guthrie .....                 | 1982 |
| D. J. Schmatz .....               | 1964 | R. Mehrabian and C. G. Levi            | 1983 |
| W. A. Backofen, I. R. Turner, and |      | G. R. Speich, A. J. Schwoeble,         |      |
| D. H. Avery .....                 | 1965 | And J. P. Huffman .....                | 1984 |
| L. F. Porter, D. S. Dabkowski,    |      | Eiichi Takeuchi and                    |      |
| J. P. Paulina and                 |      | J. Keith Brimacombe .....              | 1985 |
| A. J. Birkle .....                | 1966 | Richard P. Gangloff .....              | 1986 |
| Raymond Grange .....              | 1967 | Brent L. Adams .....                   | 1987 |
| Kanji Ono and                     |      | William C. Johnson .....               | 1988 |
| Masahiro Meshii .....             | 1968 | Daniel Y. C. Wei, Bakhtier Farouk,     |      |
| R. D. Townsend and                |      | And Diran Apelian .....                | 1989 |
| J. S. Kirkaldy.....               | 1969 | Andreas Mortensen, Lawrence J. Masur,  |      |
| B. H. Kear, G. R. Leverant, and   |      | James A. Cornie, and                   |      |
| J. M. Oblak .....                 | 1970 | Merton C. Flemings .....               | 1990 |
| John S. Benjamin .....            | 1971 | John W. Holmes and                     |      |
| R. G. Davies and                  |      | Frank A. McClintock .....              | 1991 |
| C. L. Magee .....                 | 1972 | Uday Mitra and                         |      |
| M. D. Rinaldi, R. M. Sharp, and   |      | Thomas W. Eagar .....                  | 1992 |
| M. C. Flemings .....              | 1973 | Sadi Karagöz, Hellmut F. Fischmeister, |      |
| R. A. Rapp, A. Ezis, and          |      | Hans-Olof Andrén, and                  |      |
| G. J. Yurek.....                  | 1974 | Guang-Jun Cai .....                    | 1993 |
| C. J. McMahon, Jr., and           |      | Brent L. Adams, Karsten Kunze, and     |      |
| Joseph R. Rellick .....           | 1975 | Stuart I. Wright .....                 | 1994 |
| R. I. L. Guthrie, R. Clift, and   |      | Frédéric Barlat, Kwansoo Chung,        |      |
| H. Henein .....                   | 1976 | And Owen Richmond .....                | 1995 |
| Paul G. Shewman .....             | 1977 | Rohit K. Trivedi .....                 | 1996 |
| E. D. Hondros and                 |      | Jong K. Lee .....                      | 1997 |
| Martin P. Seah.....               | 1978 | Daniel E. Lawrynowicz, Bing Li, and    |      |
| G. W. Simmons, P. S. Pao, and     |      | Enrique J. Lavernia .....              | 1998 |
| R. P. Wei .....                   | 1979 | Hong-Sheng Fang,                       |      |
| J. K. Brimacombe, F. Weinberg,    |      | And Xingcun Tong .....                 | 1999 |
| And E. B. Hawbolt .....           | 1980 | Terence G. Langdon and                 |      |



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|----------------------------------------|------|-----------------------------------------------|------|
| Yong Li .....                          | 2000 | Ji Young Byun, Yanghoo Kim,                   |      |
| Christopher A. Schuh .....             | 2001 | Heung Nam Han, Dong Nyung Lee,                |      |
| Kwai S. Chan.....                      | 2002 | Dong-Ik Kim, Sung Bo Lee,                     |      |
| P. M. Prasad, P. Suryaprakash Rao,     |      | Seung Jo Yoo.....                             | 2016 |
| T. R. Mankhand, S. N. Singh, and       |      | Sasha Zhang, Haixing Fang, Maaren             |      |
| A. J. K. Prasad .....                  | 2003 | Gramsma, Cees Kwakernaak,                     |      |
| Ryosuke O. Suzuki, Koh Teranuma,       |      | Ir. Willem G. Sloof, Ir. F.D. Tichelaar,      |      |
| And Katsutoshi Ono .....               | 2004 | Margarita Kuzmina, Dipl.-Ing Michael          |      |
| David M. Saylor, Anthony D. Rollett,   |      | Herbig, Dierk Raabe, Ekkes Bruck,             |      |
| Keeyoung Jung, Bassem S.               |      | Sybrand van der Zwaag,                        |      |
| El-Dasher, and Joseph Fridy .          | 2005 | Niels van Dijk.....                           | 2017 |
| Peng Cao, Mark Easton, Zoë Hildebrand, |      | Thomas Gnäupel-Herold, Michael B. Katz,       |      |
| Ma Qian, and David StJohn..            | 2006 | Eric Lass, Lyle E. Levine, Daniel Ng,         |      |
| Cormac J. Byrne, Eric A. Theisen,      |      | Thien Q. Phan, Mark R. Stoudt,                |      |
| Paul H. Steen, and                     |      | Maureen Williams.....                         | 2018 |
| Barry Reed.....                        | 2007 | Peter C. Collins, Vikas Dixit, Hamish Fraser, |      |
| Brent M. Capell, Gary Was...           | 2008 | Santosh Koduri.....                           | 2019 |
| Joel V. Bernier, Michael G. Glavicic,  |      | P.E. Aba-Perea.....                           | 2020 |
| Matthew R. Miller, Jun-Sang Park,      |      | P.J. Withers, T. Pirling, A. Paradowska,      |      |
| and Adam L. Pilchak .....              | 2009 | D. Ma, M. Preuss                              |      |
| Matthias Militzer and Yves Brechet     | 2010 | Anna Jarzębska, Bartosz Sułkowski, ....       | 2021 |
| Adam L. Pilchak, James C. Williams,    |      | Daniel Wojtas, Krzysztof Sztwiertnia, Łukasz  |      |
| And Robert E. A. Williams ...          | 2011 | Maj, Magdalena Bieda, Martyna                 |      |
| K. Sadananda and                       |      | Strąg, Robert Chulist, Sylwia Przybysz &      |      |
| A.K. Vasudevan .....                   | 2012 | Wacław Pachla                                 |      |
| Chiyoko Horike, Kazuki Morita,         |      |                                               |      |
| And Toru H. Okabe.....                 | 2013 |                                               |      |
| Fabien Onimus, Jean-Luc Bechade        |      |                                               |      |
| And Didier Gilbon.....                 | 2014 |                                               |      |
| Armand Beaudoin, Thomas R. Bieler,     |      |                                               |      |
| Peter Kenesei, Ulrich Lienert,         |      |                                               |      |
| Leyun Wang.....                        | 2015 |                                               |      |