

## John L. Hall (2019)

### Degrees:

- B.S. 1956, Carnegie Institute of Technology, now Carnegie Mellon University
- M.S. 1958, Carnegie Institute of Technology, now Carnegie Mellon University
- Ph.D. 1961, Carnegie Institute of Technology, now Carnegie Mellon University

### Appointments:

- NRC Postdoctoral Fellow, National Bureau of Standards, 1961-1962
- Physicist, National Bureau of Standards, 1962-1971
- Fellow, Joint Institute for Laboratory Astrophysics (now JILA), 1964-present
- Lecturer, Physics Department, University of Colorado, 1967-2006
- Senior Scientist, National Bureau of Standards (now National Institute of Standards and Technology), 1971-2004
- Professor Adjunct, Physics and JILA, University of Colorado, Boulder 2006-present
- President and Chief Technical Officer, Hall Stable Lasers LLC, Broomfield CO 2004 -present

### Honors and Awards:

- National Carbon Company Fellow in Physics, 1957-1961
- Department of Commerce Gold Medal, 1969
- Samuel W. Stratton Measurement Science Award, of NBS, 1971
- Department of Commerce Gold Medal, 1974 (group awards)
- IR-100: Laser stabilizer selected as one of “100 best new products of the year,” 1975
- IR-100: Laser wavelength meter (“Lambdameter”) selected as one of “100 best new products of the year,” 1977
- E. U. Condon Award for technical writing, of NBS, 1979
- Charles Hard Townes Award of the Optical Society of America, 1984, jointly with V. P. Chebotayev (Academy of Sciences, USSR)
- Davission-Germer Prize of the American Physical Society, 1988
- Alexander von-Humboldt Senior Scientist Award, 1989
- Docteur Honoris Causa de l’Universite Paris Nord, 1989
- Frederic Ives Medal of the Optical Society of America, 1991
- Sherman Fairchild
- Arthur L. Schawlow Prize of the American Physical Society, 1993
- Allen V. Astin Measurement Science Award, of NIST, 2000
- Max Born Award of the Optical Society of America, 2002
- Presidential Rank Award from the Office of Personnel Management, 2002
- Department of Commerce Gold Medal, 2002 (group awards)
- I. I. Rabi Prize, IEEE Society for Ultrasonic, FerroElectricity, and Frequency Control, 2004
- Republic of France Légion d’Honneur Membership, 2004
- Nobel Prize in Physics**, 2005 (with T. W. Hänsch; and R. J. Glauber)
- Honorary Doctor of Science Degrees: 4, 2005 -2008
- Colorado Governor’s Award for High Impact Research (2010)
- National Academy of Inventors (2019)

### Professional Associations:

- Fellow, American Physical Society
- Fellow and Honorary Member, Optical Society of America
- Member, International Union of Radio Science (URSI) Commission VII
- Delegate, Consultative Committee for Definition of the Meter (BIPM) Sevres, France, 1970-2004
- Member, NAC/Army Research Office Committee on Recommendations, 1976-1979
- Member, NRC/NAS National Research Committee on Fundamental Constants, 1976-1979
- Member, Program Committee for International Conference on Quantum Electronics, 1978, 1996
- Member, US National Academy of Science, 1984-present

