

## John L. Hall (2015)

### 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)  
Davisson-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)

### 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  
Member, Program Committee for CLEO/QELS Conference, 1996