

# CURRICULUM VITAE

## CARDONA, Manuel

born September 7, 1934 in Barcelona, Spain  
married to Inge HECHT, 3 children

- 1950 - 55      Student at the University of Barcelona, Physics Department  
Licenciado en Ciencias Físicas, June 1955
- 1955 - 58      University of Madrid, Physics Department  
Doctor of Sciences, June 1958
- 1956 - 58      PhD Candidate at Harvard University  
PhD in Applied Physics, 1959
- 1955 - 56      Instructor for Electronics, University of Madrid
- 1956 - 59      Research Assistant, Harvard University
- 1959 - 61      Member of the Technical Staff  
RCA Laboratories Ltd., Zürich, Switzerland
- 1961 - 64      Member of the Technical Staff  
RCA Laboratories, Princeton, New Jersey, USA
- Spring 1963    Visiting Professor at the University of Pennsylvania, USA
- 1964 - 66      Associate Professor of Physics, Brown University  
Providence, Rhode Island, USA
- 1966 - 71      Professor of Physics, Brown University
- 1971 - 2000    Scientific Member and Director, Max-Planck-Institute for  
Solid State Research, Stuttgart, Germany
- 1973 - 74      Business Managing Director, Max-Planck-Institute for  
Solid State Research, Stuttgart, Germany
- 1972 - 76      Member of the Advisory Board, High Magnetic Fields Laboratory, Braun-  
schweig, Germany
- 1975 - 78      Member of the Scientific Council, DESY, Hamburg, Germany
- 1977 - 83      Member of the Advisory Board, Institute of Surface Physics Research,  
Jülich, Germany
- 1980 - 86      Elected Member of the Committee for Condensed Matter  
German National Science Foundation
- 1979 - 83      Member of the Semiconductors' Commission of the International Union  
of Pure and Applied Physics (IUPAP)
- 1982 - 85      Member of the Board of the Condensed Matter Division  
European Physical Society
- 1982 - 88      Member of the Council, German Physical Society

1984 - 87	Member of Steering Committee, Int. Conf. on Raman Spectroscopy
1988 - 93	Chairman of the Scientific Council of the Material Science Institute, Spanish National Research Council
1993 - 98	Chairman of the Scientific Council, Paul Drude Institut, Berlin
1994	Member of the Board of Electors of the Cavendish Professor
1996 - 2002	Chairman, International Union of Pure Applied Physics (IUPAP) Semiconductor Commission
1999 -2002	Member, National Committee for the Evaluation of Research of the French Republic (CNER)
1999 - 2003	Member of the Scientific Council, Istituto Nazionale di Fisica della Materia (INFN), Italy
2000	Director Emeritus, Max-Planck-Institute for Solid State Research, Stuttgart, Germany

### Honors and Awards

1956 - 57	Smith-Mundt-Grant
1956	Spanish National Prize for Natural Sciences
1957 - 58	Juan-March Foundation Fellowship in the United States
1958 - 59	Bell Telephone Laboratories Fellowship
1962	RCA Laboratories Prize
1964	American Physical Society, Fellow
Summer 1965	Ford Foundation Visiting Professor, University of Buenos Aires, Argentina
1965 - 68	A.D. Sloan Fellowship
1969 - 70	Guggenheim Fellowship, DESY, Hamburg, Germany
1973	Honorary Professor, University of Stuttgart, Germany
1982	N. Monturiol Medal, Government of Catalonia
1983	Fellow, Yamada Foundation
1984	American Physical Society, Frank Isakson Prize
1984	Fellow, Japanese Society of Promotion of Sciences
1984	Corresponding Member, Acad. Sci. of Barcelona
1985	Doctor <i>Honoris Causa</i> , Universidad Autónoma de Madrid
1985	Doctor <i>Honoris Causa</i> , Universidad Autónoma de Barcelona
1987	Member, National Academy of Sciences of the USA
1987	Grand Cross of Alfonso X el Sabio, Spain
1988	Miller Visiting Professor, University of California, Berkeley,
1988	Prize "Principe de Asturias", Spain

- 1988 Joannes Marcus Marci von Kronland medal, Czech. Spectroscopy Society, Prague
- 1989 Orvin E. Foster distinguished lecturer, State University of New York at Buffalo
- 1990 Prize for Scientific Research, Catalonian Research Foundation, Barcelona
- 1990 Honorary Professor, University of Konstanz
- 1991 Ian Spain memorial lecturer, Colorado State University, Sept. 1991
- 1991 Member, Academia Europaea
- 1992 Medaglia Teresiana, University of Pavia, Italy
- 1992 Excellence Award for Superconductivity, World Congress on Superconductivity, München
- 1993 Italgas Prize for Research in Materials Science and Technology, Turin
- 1994 Doctor *Honoris Causa*, Sherbrooke University, Canada
- 1994 Doctor *Honoris Causa*, University of Regensburg, Germany
- 1994 A.W. Scott Memorial Lecturer, University of Cambridge, England
- 1994 Max Planck Research Prize (with E.E. Haller, U.C. Berkeley)
- 1995 Doctor *Honoris Causa*, University of Roma, Italy
- 1995 Corresponding Member, Royal Academy of Sciences, Spain
- 1997 John Wheatley Prize, American Physical Society
- 1998 Doctor *Honoris Causa*, Université de Toulouse, France
- 1999 E. Mach Honorary Medal for Merit in the Physical Sciences Academy of Sciences of the Czech Republic
- 2000 Miller Visiting Professor, University of California at Berkeley, 3 months
- 2000 Original Member, ISI Highly Cited Researchers Database (<http://isihighlycited.com>)
- 2001 Sir Nevill Mott Medal and Prize, Institute of Physics, London
- 2001 Air New Zealand Lecturer
- 2001 J. Lannin Lecturer, Pennsylvania State University
- 2001 Doctor *Honoris Causa*, Aristotle University, Thessaloniki, Greece
- 2001 Fellow, Institute of Physics, London

Member of the Board of Editors of the following journals:

- from 1972 Physica Status Solidi
- from 1972 Solid State Communications
- from 1989 Solid State Communications, Associate Editor in Chief
- 1974 - 78 Journal of Physics C
- 1988-1992 Journal of Physics, Condensed Matter

1989-1992      Physical Review Letters, Divisional Associate Editor  
from 1992      Solid State Communications, Editor in Chief

Author of about 1100 scientific publications in international journals, ten monographs on solid state physics and a textbook on semiconductors, with P.Y. Yu, (third edition, 2001).