

## Biography

Name: Sumio Iijima  
Date of Birth: May 2, 1939  
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### Professional Title and Affiliation:

- University Professor, Meijo University,
- Senior Research Fellow, NEC Corporation
- Honorary AIST Fellow, National Institute of Advanced Industrial Science and Technology (AIST)
- Distinguished Invited University Professor, Nagoya University

### Research Fields:

Nano Science, Materials Science, Electron microscopy, Crystallography

### Education:

1959-1963: University of Electro-communications, Tokyo, Bachelor of Engineering  
1963-1965: Tohoku University, Sendai, Majoring in Physics; M.S.  
1965-1968: Tohoku University, Sendai, Majoring in Physics; Ph.D.

### Professional Record:

1968-1974 Research Associate, Research Institute for Scientific Measurements, Tohoku University, Sendai  
1970-1977: Research Associate, Department of Physics, Arizona State University, Tempe, Arizona  
1977-1982: Senior Research Associate, Center for Solid State Science, Arizona State University, Tempe, Arizona  
1979: Visiting Senior Scientist, Department of Metallurgy and Materials Science, University of Cambridge, Cambridge  
1982-1987: Group Leader, ERATO Program, Research Development Corporation of Japan, Nagoya  
1987-Present: Senior Research Fellow, NEC Corporation, Tsukuba (Joined NEC in 1987 as Senior Principal Researcher)  
1999-Present: University Professor, Meijo University, Nagoya (Visiting Lecturer, 1998 – 1999),  
(Professor 1999 - 2010) (University Professor 2010- )  
2001-2015: Director, Nanotube Research Center, National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba  
2005-2012: Dean, Sungkyunkwan University, Advanced Institute of Nanotechnology (SAINT)  
2007-Present: Distinguished Invited University Professor of Nagoya University, Nagoya  
2015-Present: Honorary AIST Fellow, National Institute of Advanced Industrial Science and Technology (AIST)

### Academy Members:

2007 Foreign Associate of The National Academy of Sciences  
2009 Foreign Member of The Norwegian Academy of Science and Letters  
2010 Member of The Japan Academy  
2011 Foreign Member of The Chinese Academy of Sciences

### Honorary Members (Foreign):

2000.11 Fellow, The American Physical Society  
2001.7 Honorary Fellowship, Royal Microscopy Society  
2002.5 Honorary Doctor of the University of Antwerp  
2003.3 Honorary Doctor of Ecole Polytechnique Fédérale de Lausanne (EPFL)  
2005.10 Honorary Professor of Xi'an Jiaotong University

- 2005.11 Honorary Professor of Peking University
- 2009.2 Fellow, Microscopy Society of America
- 2009.6 Honorary Professor of Tsinghua University
- 2010.10 Honorary Professor of Zhejiang University
- 2010.10 Honorary Professor of Southeast University
- 2013.12 Honorary Professor of Shanghai Jiaotong University
- 2014.10 Honorary Professor of Aalto University
- 2015.11 Advisory Professor of Huazhong University of Science and Technology (until 2018.11)

Honorary Members (Japan):

- 2002.12 Honorary Member, The Crystallographic Society of Japan
- 2004.6 Honorary Member, The Japanese Society of Microscopy
- 2007.8 Fellow, The Japan Society of Applied Physics
- 2009.3 Honorary Member, The Chemical Society of Japan
- 2009.9 Distinguished Professor of The University of Electro-Communications
- 2013.3 Honorary Member, The Physical Society of Japan
- 2014.11 Honorary Member, The Japan Society of Applied Physics
- 2020.4 Distinguished Invited University Professor, Tohoku University

Typical Awards (Foreign):

- 1976.8 Bertram Eugene Warren Diffraction Physics Award (The American Crystallography Society)
- 2002.3 J.C.McGroddy Prize for New Materials (American Physical Society, USA)
- 2002.4 Agilent Europhysics Prize (European Physical Society)
- 2002.4 Benjamin Franklin Medal in Physics (The Franklin Institute, USA)
- 2004.8 The Society's Medal of Achievement in Carbon Science and Technology (The American Carbon Society, USA)
- 2007.6 Gregori Aminoff Prize in Crystallography 2007 (Royal Swedish Academy of Sciences)
- 2007.11 2007 Balzan Prize for Nanoscience (International Balzan Prize Foundation, Italy)
- 2008.9 The Kavli Prize in Nanoscience 2008 (The Kavli Foundation, Norway)
- 2008.10 The Prince of Asturias Award for Technical Scientific Research 2008 (The Prince of Asturias Foundation, Spain)
- 2015.6 European Inventor Award (European Patent Office, Germany)
- 2015.9 Diamond and Carbon Materials Award 2015 (The International conference on Diamond and Carbon Materials)  
and others

Typical Awards (Japan):

- 1985.12 Nishina Memorial Award (The Nishina Memorial Foundation, Japan)
- 1997.1 Asahi Award (The Asahi Shinbun Cultural Foundation, Japan)
- 1999.2 Tsukuba Prize (The Science and Technology Promotion Foundation of Ibaraki, Japan)
- 2002.6 Japan Academy Award and Imperial Award (The Japan Academy)
- 2003.11 Person of Cultural Merits (Japanese Government)
- 2007.6 Fujihara Award (The Fujihara Foundation of Science, Japan)
- 2009.11 Order of Cultural Merits
- 2015.10 The Nishikawa Prize (The Crystallographic Society of Japan)

and Others

Distinguished Lectures:

- 1997.5 Friday Evening Discourse, The Royal Institution of Great Britain
- 2003.4 Van Horn Lecture, Case Western Reserve University
- 2007.5 Bodo von Borries Lecture 2007 (Universität Tübingen)
- 2008.1 Dow lecture, Northwestern University

- 2008.7 Nagoya university lecture, Nagoya University
- 2008.10 W.H. Bragg Lecture 2008, University College London
- 2008.12 George Pimentel Memorial Lecture (U.C. Berkeley, USA)
- 2009.6 Tsinghua Global Vision Lecture (Tsinghua University, China)
- 2010.1 Ceremony of the Kousho Hajime (Imperial New Year's Lectures) (Imperial Palace, Japan)
- 2010.3 Materials Science and Engineering Seminar Speaker (MIT, USA)
- 2010.3 William Spitzer Lecture (University of Southern California, USA)
- 2011.10 The 2011 Evans Lecture (The Ohio State University, USA)
- 2013.12 Einstein Lectureship (Institute of Metal Research, CAS, China)
- 2015.3 Global Lecture Series (Zhejiang University, China)
- 2015.11 LUOJIA expert forum of Wuhan University (Wuhan University, China)

Editors and Advisory board members:

Journal of microscopy, Editorial Board  
Journal of electron microscopy, Advisory Board  
Journal of Applied Physics, Advisory Board  
Journal National Science Review, Advisory Board  
Nanostructured materials, Associate Editor  
Chemical Physics Letters, Advisory Board  
Carbon, Honorary Advisory Board  
Journal Small, Honorary Member  
Journal Nano, Chief Editor, (-2013)  
Ultramicroscopy, Advisory Editorial Board, (-2010)  
and Others

Publications:

Approximately 630 refereed scientific papers in publications such as Nature, Science, Physical Review Letters, Physical Review B, Acta Crystallography, Journal of Crystal Growth, Journal of Solid State Chemistry, Advanced Materials, Applied Physics Letters, Journal of American Chemical Society, Japanese Journal of Applied Physics, Chemical Physics Letters, Journal of Physical Chemistry and Nano Letter. etc.

The top 100 papers (2014)

*Nature* explores the most-cited research of all time.

36 Place:

"Helical microtubules of graphitic carbon", Sumio Iijima, *Nature*, 354, 56-58 (1991).

URL : <http://www.nature.com/news/the-top-100-papers-1.16224>

Number of Patents:

JPA 128, PCT 60 (As of August 31, 2010)

\* Winner of European Inventor Award 2015 [Non-European Countries]

"ACUTE TIP. MULTI-WALL CARBON NANOTUBE RADIAL AGGREGATE AND METHOD OF PRODUCING THE SAME"

Patent No.: EP1464618

出願日 : 2002/11/5

登録日 : 2011/9/14

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