

Brief CV – J.C. Séamus Davis– August 2020

CONTACT

[Professor of Quantum Physics, University College Cork, IE](#)

Department of Physics, University College Cork, Cork T12 R5C, Ireland

[Professor of Physics, University of Oxford, Oxford, UK](#)

Clarendon Laboratory, University of Oxford, Oxford, OX1 3PU, UK.

[Professor of Physics Emeritus, Cornell University, NY, USA](#)

Department of Physics, Cornell University, Ithaca NY 14850, USA

[Max Planck Fellow, Grad. Centre for Quantum Materials, DE](#)

Max-Planck Institute for Chemical Physics of Solids, D-01187 Dresden, Germany

Contact : jcseamusdavis@gmail.com / +353 830392937

Research : <http://davis-group-quantum-matter-research.ie/>

Education/Experience/Appointments

1979-1983	UCC, National University of Ireland, B.Sc. Physics 1983.
1983-1989	University of California, Berkeley, Ph.D. Physics 1989.
1983-1989	Graduate Research Assistant, U. of California, Berkeley.
1990-1992	Postdoctoral Research Associate, U. of California, Berkeley.
1993-1997	Assistant Professor of Physics, U. of California, Berkeley.
1998-2002	Faculty Physicist, L. Berkeley National Laboratory, CA.
1998-2000	Associate Professor of Physics, U. of California, Berkeley.
2000-2002	Professor of Physics, U. of California, Berkeley.
2003-2008	Professor of Physics, Cornell University, Ithaca, NY.
2007-2018	Senior Physicist, Brookhaven National Laboratory, Upton, NY.
2007-2018	SUPA Distinguished Professor, St. Andrews University, Scotland.
2008-2018	J.G. White Distinguished Professor, Cornell University, Ithaca, NY.
2009-2014	Director, DoE, Center for Emergent Superconductivity
2019-present	J.G. White Distinguished Professor Emeritus, Cornell University, NY.
2019-present	Senior Fellow, Wadham College, University of Oxford, Oxford, UK.
2019-present	Professor of Physics, University of Oxford, Oxford, UK.
2019-present	Professor of Quantum Physics, University College Cork, Ireland.

Distinguished Lectureships

2002	Ehrenfest Lecturer, U. of Leiden, Netherlands.
2008	Pagels Lecturer, Aspen Center for Physics, USA.
2008	Loeb Lecturer in Physics, Harvard University, USA.
2009	Einstein Lecturer, Weizmann Institute, Israel.
2009	Umezawa Lecturer, U. of Alberta, Edmonton, Alberta, CA.
2010	Von Borries Lecturer, U. of Tübingen, Germany.
2011	Centenary Solvay Conference Delegate, Brussels, Belgium.
2012	Pagels Lecturer for Aspen CfP 50 th Anniversary, Aspen, CO, USA.
2012	E.K. Adams Lecturer, Columbia University, NY, USA.
2013	CNAM Distinguished Lecturer, University of Maryland, MD, USA.
2013	University Distinguished Lecturer, SUNY, Stony Brook, NY, USA.
2014	Cabrera Lecturer, Universidad Autonoma, Madrid, Spain.

2014	Pacific Inst. Thy Phys. Lecturer, University of British Columbia, CA.
2015	G. W. Boole Memorial Lecturer, University College Cork, Cork, IE.
2015	A. O. Beckman Distinguished Lecturer, University of Illinois, IL, USA.
2015	Simons Foundation Lecturer, New York, NY, USA.
2016	TOPNES Public Lecturer, St. Andrews, Fife, Scotland.
2018	Welch Memorial Lecturer, University of Toronto, Canada
2019	Neils Bohr Lecturer, University of Copenhagen, Denmark.
2019	British Irish Chamber of Commerce Keynote Lecture, Dublin, IE.
2019	Van der Waals Lecturer, U. of Leiden, Netherlands.

Awards/Honors/Fellowships

1994	NSF National Young Investigator Award
1994	Packard Foundation Fellow in Science and Engineering
1996	Alfred P. Sloan Research Fellow
2000	Miller Research Professorship
2000	Outstanding Performance Award, Berkeley Nat. Laboratory, CA
2004	Fellow of the UK Institute of Physics
2005	Fellow of the American Physical Society
2005	F. London Memorial Prize
2009	H. Kamerlingh-Onnes Memorial Prize
2010	Member of the U.S. National Academy of Sciences
2013	Science and Technology Award, Brookhaven Nat. Laboratory, NY.
2013	Honorary Doctorate of the National University of Ireland (D.Sc.).
2015	Moore Foundation EPiQS Fellow
2016	Science Foundation Ireland, Medal of Science
2019	Science Foundation Ireland, Research Professorship
2019	Fellow of the Max Planck Society
2020	UK Royal Society, Research Professorship
2020	Fellow of the Royal Irish Academy
2020	O.V. Lounasmaa Memorial Prize

SERVICE

1. *Chairman* – Advisory Committee, Quantum Materials Program, **Canadian Inst. For Advanced Research**. 2010-2019
2. *Director*, **DOE Center for Emergent Superconductivity** 2009-2014,.
3. *Scientific Advisory Committee*, **Quantum Materials Institute, UBC**. 2015-today
4. *Editorial Board*, **Proceedings of National Academy of Sciences, USA**. 2020-today.
5. *Chairman*, **Simon Memorial Prize** Committee, 2013-today
6. *Chairman*, **Davisson Germer Prize** Committee, American Phys. Soc. 2018–today.

PUBLICATIONS – CAREER SUMMARY

- ~ [150 published articles with ~ 17,000 citations](#)
- ~ [600 lectures and presentations worldwide](#).