

## Prof Jonathan Nesbit Coleman

**Date of Birth:** 22 January 1973

**Nationality:** Irish

**Address:** School of Physics, Trinity College, Dublin 2, IRELAND

**Email:** [colemaj@tcd.ie](mailto:colemaj@tcd.ie)

**Phone:** +353-(0)1-8963859, **Fax:** +353-(0)1-6711759

**Orcid ID:** [www.orcid.org/0000-0001-9659-9721](http://www.orcid.org/0000-0001-9659-9721)



### EDUCATION & EMPLOYMENT

<b>2022</b>	Erasmus Smith's Professor of Natural and Experimental Philosophy (1724)
<b>2011</b>	Chair of Chemical Physics
<b>2007</b>	Associate Professor in Physics
<b>2006</b>	Senior Lecturer in Physics, PI in CRANN, TCD
<b>2002</b>	Visiting Researcher at the Nanotech Institute, University of Texas, Dallas
<b>2001</b>	Lecturer in Physics, Trinity College Dublin, Ireland.
<b>1999 - 2001</b>	HEA Research Fellow, Physics Dept, TCD
<b>1995 - 1999</b>	Physics Dept, TCD. PhD in Physics
<b>1991 - 1995</b>	Physics Dept, TCD. BA in Physics (Hons) Class: 1 and Gold Medal, First in year
<b>1985 - 1991</b>	King's Scholar at The Kings Hospital School, Palmerston.
<b>1977 - 1985</b>	Model School, Bailieborough, Co Cavan

### BIOGRAPHY & RESEARCH CAREER

Jonathan Coleman is the Erasmus Smith's Professor of Natural and Experimental Philosophy (1724) in the School of Physics and a PI in the CRANN and AMBER Research centres at Trinity College Dublin. His research involves the study of low-dimensional nanostructures; carbon nanotubes, graphene and 2-dimensional materials. This work focuses on the exfoliation of van der Waals bonded nano-materials, leading to the formation of dispersions and suspensions of nanostructures. Such liquid processing allows the production of thin films and composites. He works on applying these materials and methods in a number of areas including electro-mechanical sensors, printed electronics and energy storage materials. In the latter area, we have particular interest in new electrode materials for lithium-ion batteries, battery electrode architectures and the factors limiting rate performance in batteries. Prof Coleman has been involved in a number of industry-academic collaborative projects with companies including Hewlett-Packard, Intel, SAB Miller, Nokia-Bell Labs and Thomas Swan.

### HONOURS

Tabor Medal, Institute of Physics 2022

Inducted into Advanced Materials Hall of Fame 2022

TUBALL Award 2019

In 2019, I was ranked<sup>1</sup> at number 1690 among all 7 million research scientists worldwide.

ACS Nano Award Lecture Laureate 2018

Enterprise Ireland Knowledge Transfer Awards: The License to Market Award 2016

I was recently (2014, 2015, 2016, 2017, 2018, 2019, 2020) included in the Clarivate (Thompson Reuters) list of highly cited researchers.

I was awarded the Kroll Medal from the Institute of Materials in 2012.

Named Science Foundation Ireland Researcher of the year in 2011.

In 2011, named among the top 100 Materials Scientists of the previous decade by Thompson Reuters.

---

<sup>1</sup> "A standardized citation metrics author database annotated for scientific field." PLoS Biol 17(8): e3000384.