

CURRICULUM VITAE

ALLAN HUGH MACDONALD

*Office: 2515 Speedway, Stop C1609, Dept. of Physics
The University of Texas at Austin
(512) 232-9113 macd@physics.utexas.edu*

DATE AND PLACE OF BIRTH:

December 1, 1951
Antigonish, Nova Scotia, Canada

CITIZENSHIPS:

Canadian and American

FIELD OF SPECIALIZATION:

Condensed Matter Theory

EDUCATION:

Ph.D. (1978) University of Toronto (Canada)
M.S. (1974) University of Toronto (Canada)
B.S. (1973) St. Francis Xavier University (Canada)

PROFESSIONAL EXPERIENCE

- Sid W. Richardson Foundation Regents Chair, September 2000 – present
The University of Texas at Austin
- Professor of Physics, September 1987 - August 1992
Indiana University
- Associate Research Scientist, August 1982 - August 1987
National Research Council of Canada
- Assistant Research Associate, November 1980 - June 1982
National Research Council of Canada

HONORS

- Ernst Mach Honorary Medal Academy of Sciences of the Czech Republic (2012)
- Fellow of National Academy of Sciences (2010)
- Co-recipient of the Buckley Prize (2007)

- Fellow of the Academy of Arts and Sciences (2005)
- Fellow of the American Physical Society, 1989
- Herzberg Medal, 1987 (Awarded by the Canadian Association of Physicists)

RESEARCH INTERESTS

My research interests are centered on the electronic properties of electrons in metals and semiconductors. I have contributed principally to research on the quantum Hall effect, electronic structure theory, magnetism and spintronics, electronic transport theory, superconductivity, mesoscopic physics and other topics. I am motivated primarily by the goal of predicting unanticipated new properties of condensed matter.

PUBLICATIONS

- Over 600 ISI publications and over 40,000 ISI citations.
- h-index = 90
- Among 119 physicists identified as highly-cited researchers.