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Date of Birth: 23 September 1941, UK. **Nationality:** British and Canadian. **PhD:** 1968.

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Research: global differential geometry, topology, information geometry, statistical geometry and applications, 1959-69 Wiggins Teape Research & Development, Butlers Court, Beaconsfield, UK.

1969-89 University of Lancaster, UK, Head of Mathematics 1984-89.

1989-96 University of Toronto, Canada, NSERC/Abitibi Price Senior Research Chair.

1996-Present University of Manchester, Professor of Pure Mathematics, now Emeritus.

More than 200 research publications since 1962, including the following books:

C.T.J. Dodson. **On some information geometric approaches to cyber security.** 30 pages. [Summary](#). Chapter in N.J. Dara and T.M. Rassias *Editors* [Operations Research, Engineering, and Cyber Security](#), Springer Series in Optimization and its Applications, Cham, Switzerland 2017 pp 167-197.

F. Nielsen, F. Critchley and C.T.J. Dodson Editors. [Computational Information Geometry: For Image and Signal Processing](#) Springer Series Signals and Communication Technology, 2017.

C.T.J. Dodson, George Galanis and Efstathios Vassiliou. **Geometry in a Frechet Context: A Projective Limit Approach.** London Mathematical Society Lecture Note Series 428 Cambridge University Press, 2015 xiii + 271pp. [Contents and Preface](#)

C.T.J. Dodson and W.W. Sampson. [Dimensionality reduction for classification of stochastic texture images](#) In F. Nielsen(Ed.): [Geometric Theory of Information](#). Springer, Heidelberg , 2014.

C.T.J. Dodson. [Some illustrations of information geometry in biology and physics](#) Chapter 13 in: [Handbook of Research on Computational Science and Engineering: Theory and Practice](#) Eds. J. Leng, W. Sharrock, IGI-Global, 2012, pp 287-315.

Khadiga Arwini and C.T.J. Dodson. [Information Geometry: Near Randomness and Near Independence](#). Lecture Notes in Mathematics 1953, Springer-Verlag, Berlin, Heidelberg, New York, 2008. (Over 9000 downloads of e-version)

C.T.J. Dodson. [Manifold Geometry, in Encyclopedia of Science and Technology, Volume 9](#) Academic Press, San Diego 2001.

C.T.J. Dodson and P.E. Parker. [A User's Guide to Algebraic Topology](#) Kluwer, Dordrecht 1997. (Reprinted 1998).

C.T.J. Dodson and T. Poston. [Tensor Geometry](#) Graduate Texts in Mathematics 120, Springer-Verlag, Berlin, New York, Heidelberg, 2nd Edition 1991. (Reprinted 1997). In print since 1977.

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M. Deng and C.T.J. Dodson. [Paper: An Engineered Stochastic Structure](#). Tappi Press, Atlanta 1994.

D.C.M. Burbulla and C.T.J. Dodson. [Self-Tutor for Computer Calculus Using Maple V](#) Prentice-Hall Canada, Scarborough, 1993.

D.C.M. Burbulla and C.T.J. Dodson. [Self-Tutor for Computer Calculus Using Mathematica](#) Prentice-Hall Canada, Scarborough 1992. Also available in Japanese from Prentice-Hall Japan.

C.T.J. Dodson. [Categories, Bundles and Spacetime Topology](#). 2nd Edition, Kluwer, Dordrecht 1988.

L.A. Cordero, C.T.J. Dodson and M deLeon. [Differential Geometry of Frame Bundles](#) Kluwer, Dordrecht 1988.

C.T.J. Dodson. [Space-Time Edge Geometry](#). *Int J. Theor. Phys.* Vol 17 No 6 , 1978 (pp 389-504).

Recent Research/Preprints: <https://personalpages.manchester.ac.uk/staff/ctdodson/>