Biographical Sketch for David T. Grubb

Associate Professor of Materials Science and Engineering
Date of Birth: June 1 1945 Place of Birth: Manchester, England Citizenship: USA

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Education

Brasenose College, Oxford University	Physics	BA	1966
Brasenose College, Oxford University		M.A	1970
Oxford University	Metallurgy and Materials Science,	D. Phil	1970
Thesis title: "The Electron Microscopy of Crystalline Polymers"			
Bristol University Physics Dept.		PostDoc	1969-1972
Macromolecular Research Center, (CRM) Strasbourg, France		PostDoc	1972-1973
Bristol University Physics Dept.		PostDoc	1973-1978

Employment

1984 to 2013	Associate Professor, Department of Materials Science and Engineering, Cornell University.
1978 to 1984	Assistant Professor, Department of Materials Science and Engineering, Cornell University.
1971 to 1972	Resident Tutor, Wills Hall of Residence, Bristol University

Other Professional Experience

1972 to 1973 NATO European Fellowship
1977 to 1992 Member of Editorial Board, Journal of Microscopy
Member of the American Physical Society Member of the American Chemical Society
Fellow of the Royal Microscopical Society Member of the Microscopy Society of America

Publications

1. Heath, F.G. and D.T. Grubb, *A digital computer for sixth forms.* Int J Elect Engng Educ, 1965. **3**: p. 13-23.
2. Thomas, L.E., C.J. Humphreys, W.R. Duff, and D.T. Grubb, *Radiation damage of polymers in the million volt electron microscope.* Radiation Effects, 1970. **3**(1-2): p. 89-91.
3. Grubb, D.T. and G.W. Groves, *Rate of damage of polymer crystals in the electron microscope. Dependence on temperature and beam voltage.* Philosophical

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7. Grubb, D.T. and A. Keller, *Origin of contrast effects in the electron microscopy of polymers. 2. Polyethylene spherulites.* Journal of Materials Science, 1972. **7**(7): p. 822-35.
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10. Grubb, D.T. and A. Keller, *Crystallization induced by simple shear of molten isotactic polystyrene.* Journal of Polymer Science, Polymer Letters Edition, 1974. **12**(7): p. 419-25.
11. Grubb, D.T., *Radiation damage and electron microscopy of organic polymers.* Journal of Materials Science, 1974. **9**(10): p. 1715-36.
12. Grubb, D.T., J.A. Odell, and A. Keller, *Characterization of superheatable flow-induced polymer crystals by optical microscopy.* Journal of Materials Science, 1975. **10**(9): p. 1510-18.
13. Grubb, D.T., J. Dlugosz, and A. Keller, *Direct observation of lamellar morphology in polyethylene.* Journal of Materials Science, 1975. **10**(10): p. 1826-8.
14. Dlugosz, J., G.V. Fraser, D. Grubb, A. Keller, J.A. Odell, and P.L. Goggin, *Study of crystallization and isothermal thickening in polyethylene using SAXD, low frequency Raman spectroscopy, and electron microscopy.* Polymer, 1976. **17**(6): p. 471-80.
15. Grubb, D.T. and J. Dlugosz, *Lamellar structures in polyethylene made visible by staining*, in *Developments in electron microscopy and analysis*, J.A. Venables, Editor. 1976, Academic Press: London. p. 337-340.
16. Grubb, D.T., *Electron microscopy and the plastic deformation of polymers.* J de Microsc Spectrosc electronique, 1976. **1**: p. 671-683.
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