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Selected recent publications on NDE and magnetics:

1. "Magnetic methods in nondestructive testing", D.C.Jiles, **(Invited)**, *Encyclopedia of Materials Science and Technology*, p. 6021 Ed. K.H.J.Buschow et al., Elsevier Press, Oxford, September 2001.
2. "Hysteresis models: non-linear magnetism on length scales from the atomistic to the macroscopic"**(Invited)**, Joint European Magnetic Symposia, Grenoble, France, August 28 September 1, 2001. *Journal of Magnetism and Magnetic Materials*, 242-245, 116, 2002.
3. "Recent advances and future directions in magnetic materials", **(Invited)**, D.C.Jiles. *Acta Materiala*, 51, 5907, 2003.

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Education:

B.Sc.	1975	University of Exeter, England
M.Sc.	1976	University of Birmingham, England
PhD	1979	University of Hull, England
D.Sc.	1990	University of Birmingham, England

Professional experience:

2004 (Jan.-Jul.)	Visiting Professor, Wolfson Center for Magnetics Technology, Cardiff University, UK
2003-present	Anson Marston Distinguished Professor, Iowa State University
2003 (Jun.-Jul.)	Visiting Professor Technical University of Vienna, Austria
2002 (Oct.-Nov.)	Visiting Scientist, National Metallurgical Laboratory, Jamshedpur, India
2000 (Jun.-Jul.)	Visiting Professor, Technical University of Vienna, Austria
1999 (Jun.-Jul.)	Visiting Scientist, Institute of Physics, Czech Academy of Sciences
1997 (May.-Jul.)	Visiting Professor, University of the Saarland, Germany
1992-present	Professor of Electrical and Computer Engineering, Iowa State University
1990-present	Professor of Materials Science and Engineering, Iowa State University
1992 (May-Jul.)	Visiting Professor, University of Saarland, Germany
1991 (Jul.-Aug.)	Visiting Professor, University of Hull, United Kingdom
1994-present	Senior Physicist, Ames Laboratory and Center for NDE, Iowa State University
1988-1990	Physicist and Associate Professor, Iowa State University
1985-1988	Associate Physicist and Assistant Professor, Iowa State University
1984-85	Research Fellow, Ames Laboratory, Iowa State University
1981-84	Research Associate, Physics Department, Queen's University, Canada
1979-81	Post-Doctoral Fellow, Physics Department, Victoria University, New Zealand

David Jiles has authored over four hundred scientific papers, mostly in the general area of applied magnetism and two books: Introduction to Magnetism and Magnetic Materials (First edition 1990, Second edition 1998) and Introduction to the Electronic Properties of Materials (First edition 1994, Second edition 2001). He is a Fellow of the American Physical Society, Fellow of the Institute of Electrical and Electronic Engineers and Fellow of the Magnetics Society in the United States. He is also Fellow of the Institution of Electrical Engineers, Fellow of the Institute of Physics and Fellow of the Institute of Mathematics and its Applications in the United Kingdom. He is a member of the European Physical Society, the Materials Research Society, the American Society for Engineering Education, the Metallurgical Society, the American Society for Materials and the American Society of Nondestructive Testing.

He is registered as a Professional Engineer in the United States, as a Chartered Engineer in the United Kingdom. He is the author of thirteen patents and four additional patent disclosures, in the general area of magnetic measurement techniques. In 1990 he was awarded a higher doctorate in physics by the University of Birmingham for his work on magnetic and electronic properties of metals. In 1994 he received the Federal Laboratory Consortium Award for Excellence in Technology Transfer. In 1996 he was instrumental in establishing the new Topical Group on Magnetism and its Applications within the American Physical Society and was Chair of the Group from 1996-98. He is editor of IEEE Transactions on Magnetics and has been elected to

three terms on the Administrative Committee of the Magnetics Society (1996-98, 1999-2001 and 2004-06). He was the Magnetics Society's Distinguished Lecturer for 1997-98. He is included in "Who's Who in Science and Engineering" (1997, '98, '99, '00, '01, '02, '03, '04), "Who's Who in the World", (2000, '01, '02, '03, '04) and "Who's Who in America" (2001, '02, '03, '04). In 2001 he was a recipient of the Iowa State University Foundation Award for Outstanding Achievement in Research. In 2003 he was named Anson Marston Distinguished Professor by Iowa State University.