



Professor Jan Noyes

Emeritus Professor

Area of research

Human Factors

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Summary

We research a range of phenomena related to Human Factors and applied cognitive psychology, including:

1. The design of input media for human-machine communication, for example, emerging technologies - data input devices, speech recognition and pen-based input, design of warnings and alerts, auditory and visual feedback.
2. The study of human interactions with technology and the development of theoretical models relating to decision-making and computer attitudes, for example, information management and presentation issues in complex systems, relevancy markers in language, the design and use of predictive information, preconceptions/expectations, display screens/computers versus hard copy.
3. The application of cognitive psychology to system design, for example, processing differences in learning and memory (the extent to which cognitive workload measures can inform recognition memory theory), decision-making, cognitive styles, human error, and the role of social factors and affective attributes.

Biography

I have BSc, PhD and DSc degrees from Loughborough University, and am a Fellow of the Institute of Ergonomics and Human Factors, a Member of the British Psychological Society, a Member of the Institution of Engineering and Technology (formerly the IEE – Institution of Electrical Engineers) and a Fellow of the Higher Education Academy.

Research interests

My academic, professional qualifications and research interests are in Applied Psychology, and more specifically, Human Factors Psychology/Cognitive Ergonomics and the design of human-machine systems and technologies from a user perspective. In 1987, I was part of a group of young researchers to be presented with the Sir Frederic Bartlett Medal for individuals who have made “significant contributions to Ergonomics”. In 1999, I was awarded the prestigious Otto Edholm award for contributions to “applied research in Ergonomics”, and the previous year, I was awarded the IEE Informatics Premium award for the best journal paper – this was the top award possible in the Informatics Division. The applied nature of my research means that I have worked extensively with industry. Examples include: British Airways, GE Aviation, the railways, Rolls-Royce, and Hewlett-Packard. I have also had government funding from GCHQ and the Home Office.

My professional activities have included being an elected member of IEE Council, an IEE Director, a Member of the Informatics and Human Systems Engineering Executive Committees, and founder Member and Chair on two occasions of the People In Control (PIC) conferences. I have been invited to sit on many conference organising committees around the world, and have been on the Editorial Board of the journals: *Aviation Psychology & Applied Human Factors*; *Ergonomics*; *Interacting with Computers*; *International Journal of Professional Aviation Training & Testing Research*; *the Open Ergonomics Journal*.

Keywords

- Human factors
- Cognition

Expertise

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- human factors psychology
- cognitive ergonomics

Memberships

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Research themes

- [Cognitive Processes](#)

Research groups

- [Perception Group](#)
- [Tactile Action and Perception](#)

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Recent publications

- Fowler, JE & Noyes, JM, 2018, '[Does exposure from the use of mobile phones affect lateralised performance and mood in a visual task?](#)'. in: Sebastiano Bagnara, Yushi Fujita, Riccardo Tartaglia, Sara Albolino, Thomas Alexander (eds) *Proceedings of the 20th Congress of the International Ergonomics Association (IEA 2018) - Volume I: Volume I: Healthcare Ergonomics*. Springer, Cham, pp. 619-627
- Williams, EJ, Noyes, J & Warinschi, B, 2018, '[How Do We Ensure Users Engage In Secure Online Behavior? A Psychological Perspective](#)'.
- Noyes, J, 2017, '["...constantly at work in the laboratory of my own mind": Jan Noyes on Conwy Lloyd Morgan, the first psychologist to become a Fellow of the Royal Society](#)'. *Psychologist*, vol 30., pp. 76-78
- Gallego, MD, Bueno, S & Noyes, J, 2016, '[Second Life adoption in education: A motivational model based on Uses and Gratifications theory](#)'. *Computers and Education*, vol 100., pp. 81-93
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- Burrows, A, Noyes, J, Gooberman-Hill, R & Coyle, D, 2015, '[Investigating contexts of use for the development of domestic healthcare technology: An ethnographic study](#)'.
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- Noyes, J & Teo, T, 2014, '[Explaining the intention to use technology among pre-service teachers: A multi-group analysis of the unified theory of acceptance and use of technology](#)'. *Interactive Learning Environments*, vol 22., pp. 51-66
- Noyes, J, Teo, T & Asil, M, 2014, '[The validation and measurement invariance of the Computer Attitude Measure for Young Students \(CAMYS\)](#)'. *Journal of Educational Computing Research*., pp. 46-69
- Skinner, AL, Kent, C, Rossiter, JM, Benton, CP, Groen, MGM & Noyes, J, 2013, '[On the Edge: Haptic discrimination of edge sharpness](#)'. *PLoS ONE*.

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