

About the authors

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Cognitive Technologies and the Pragmatics of Cognition

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About the Authors

Itiel E. Dror is a Senior Lecturer in Cognitive Sciences in the School of Psychology at the University of Southampton, UK. He holds a number of graduate degrees, including a Ph.D. in cognitive psychology from Harvard (USA). He specializes in the fields of human cognition & behaviour, training & skill acquisition, technology & cognition, expertise, and biometric identification. Dr. Dror has worked in universities around the world and conducted research and consultancy to numerous organizations, including the UK Passport Services, the USA Air Force, the Japanese Advance Science Project, the European Aerospace Research & Development Agency, the Israeli Aerospace Industry, the BBC, and many commercial companies. Dr. Dror holds a UK Government ESRC-EPSRC grant on *merging technology and cognition*. He has published widely in both basic science and applied domains.

Graham Pike is a senior lecturer in psychology at The Open University's International Centre for Comparative Criminological Research. His research interests are in forensic psychology and applied cognition, particularly eyewitness identification and face perception. As well as the EPSRC funded work reported here, he recently completed two U.K. Home Office projects that included an investigation of using computer technology, mainly video parades and facial composite systems, to make the most of identification evidence.

Nicola Brace is a senior lecturer in psychology at The Open University's International Centre for Comparative Criminological Research. Her research areas include eyewitness memory and testimony and the development of face perception skills in young children. She has conducted Home Office funded research looking at how to improve the construction and presentation of facial composite images as well as field research examining the use of video identification parades.

Jim Turner is a postdoctoral research fellow working with The Open University's International Centre for Comparative Criminological Research. He recently completed a PhD at The University of Westminster that sought to use knowledge gained from perceptual research to improve the construction of facial composites using the E-FIT system. His work on using minimal face stimuli has since been incorporated into the development of the latest version of E-FIT.

Sally Kynan is a research fellow working with the Applied Psychology Research Group at The Open University and is also a member of the International Centre for Comparative Criminological Research. Her research interests include forensic and educational psychology, particularly developing and analysing interviewing techniques for use with vulnerable witnesses, and combines quantitative and qualitative approaches.

The authors are part of The International Centre for Comparative Criminological Research at The Open University. Recently they have been involved in two U.K. Home Office projects to investigate using computer technology to make the most of identification evidence and to study the visual identification of suspects. Their background is in applied cognitive psychology, particularly with regards to eyewitness evidence.

Juan C. González (Ph.D C.R.E.A., École Polytechnique, Paris 1998) is Professor of Philosophy and Cognitive Science at the State University of Morelos, Cuernavaca (Mexico), since 1999. He is interested in combining empirical and conceptual approaches to study (visual) perception and cognition in general. His research in this perspective includes: space representation, categorization, concept-formation, perceptual consciousness, sensory substitution, qualia, abnormal states of perception. Other fields of philosophical interest: ecological ethics and social theory.

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Steven J. Haase (Ph.D. University of Wisconsin, Madison) was an Assistant Professor of Psychology at Gordon College (1994–1999) and a Researcher at the University of Wisconsin, Madison helping design experiments with a team of engineers working on sensory substitution (1999–2002). Since 2002, he has been an Assistant Professor of Psychology at Shippensburg University in Shippensburg, PA. His interests include perception, human-machine interfaces, theoretical modeling of psychological processes, attention and human information processing, and consciousness.

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Willem Haselager is Assistant Professor of Artificial Intelligence / Cognitive Science at the Nijmegen Institute for Cognition and Information (NICI), Radboud University. He is a regular visiting professor at the Philosophy Department of the Universidade Estadual Paulista (UNESP), in Marília, SP, Brazil. He holds master degrees in philosophy and psychology and a Ph.D. in theoretical psychology. He is particularly interested in the integration of empirical work (i.e., psychological experiments, computational modeling, and robotics) with philosophical issues regarding knowledge and intelligent behavior. He analyzed the debate between proponents of classical cognitive science and connectionism on the nature of representation, in relation to the inability of computational models to deal with the frame problem (interpreted as related to abduction and common sense knowledge and reasoning) and examined the consequences of that debate for the status of folk psychology. More recently he has extended his research by investigating the embodied embeddedness of cognition (EEC) in relation to dynamical systems theory (DST) and the theory of self-organization. Of late, he has started to explore issues in conscious will and autonomy.

Fred Phillips is Professor of Marketing, Entrepreneurship and Research Methods at Maastricht School of Management. He has been Head of the Department of Management in Science & Technology at Oregon Graduate Institute, and Research Director of the IC² Institute, the University of Texas at Austin's think-tank for the technology-business-society interface. He is author of *Market-Oriented Technology Management* (2001), *The Conscious Manager: Zen for Decision Makers* (2003), and *Social Culture and High Tech Economic Development: The Technopolis Columns* (2006).

Maria Eunice Quilici Gonzalez, B.A. in Physics (1977, UNESP, São Paulo), M.A. in Epistemology (1984, UNICAMP, Campinas), and PhD in Cognitive Science (1989, Essex), is a Professor at the Department of Philosophy at the University of the State of São Paulo (UNESP) at Marília, where she is the director of Graduate Studies in Cognitive Science and the Philosophy of Mind. She is President of the Brazilian Society for Cognitive Science.

Niall Griffith received a degree in Archaeology and Anthropology from the University of Cambridge in 1972. He investigated economic prehistory before taking an MSc in Intelligent Knowledge Based systems. He was awarded a PhD in 1994 by Exeter University for research on self-organizing neural network models of musical structure. Since 1996 he has taught Computer Science at the University of Limerick. His research interests are computational musicology and cognition.

Meurig Beynon is a Reader in Computer Science at the University of Warwick. He received his PhD in Mathematics from King's College London in 1973 for research that underlies a categorical equivalence now known as the Baker-Beynon duality. He founded the Empirical Modelling Research Group in the 1980s and has subsequently published over 80 papers relating to this innovative modelling approach and its applications in fields as diverse as business, engineering and educational technology.