

## john murray PH.D.

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### academic papers, talks, & conference presentations (lead/key co-author)

- **VERUS: a multi-disciplinary international study of virtual world users**  
*social interaction in virtual worlds (book chapter in press), cambridge university press.*
- **detection of demographics and identity in spontaneous speech and writing**  
*multimedia data mining and analytics: disruptive innovation (book chapter in press), springer.*
- **neurophysiological and neuroendocrine correlates of interpersonal trust**  
*journal of intelligence community research and development (in press).*
- **game-centric pedagogy and curriculums in higher education**  
*IISES academic sciences conference, rome italy, april 2017.*
- **is machine consciousness necessary for true AI ethics?**  
*international research conference: robo-philosophy workshop, vienna, austria, february 2018.*
- **intelligent coaching systems in higher-order applications**  
*2016 social & economic sciences conf., org. for economic cooperation and development (OECD), france.*
- **interpreting the collectivity: research adventures in virtual environments**  
*collective intentionality x, european conf. on artificial intelligence, den haag, netherlands, aug 2016.*
- **privacy and security in crowd-sourcing: some issues and strategies**  
*foundations of digital games conference, dundee, scotland, august 2016.*
- **global awareness issues for end-to-end internet of things cybersecurity**  
*ieee end-to-end trust and security for the internet of things, washington dc, feb 2016.*
- **architecting ethics awareness in transnational online research programs**  
*beyond irbs: ethical reviews for big data research. future of privacy forum, washington dc, dec 2015.*
- **aligning research ethics and security studies in transnational environments**  
*24th usenix security symposium, washington dc, august 2015.*
- **something in the way we move: quantifying patterns of exploration in virtual spaces**  
*foundation of digital games conference, pacific grove ca, june 2015.*
- **does verification make software better?**  
*intl. conference on verified software theories, tools, and experiments, vienna, austria. july 2014.*
- **software verification games: designing XYLEM, the code of plants**  
*foundation of digital games conference, fort lauderdale fl, june 2014.*
- **global ethics and virtual worlds: functional integrity in transnational research studies**  
*ieee intl symposium on ethics in science, technology and engineering, chicago il, may 2014.*
- **identifying individual demographic traits through virtual world language use**  
*academy of science and engineering conference on social computing, alexandria va, september 2013.*
- **protocols for the analysis of interpersonal trust (PAINTR) – final report**  
*us air force research laboratory, wright-patterson afb oh, fa-8650-11-c-7113, december 2012.*
- **reynard VERUS research project – final report**  
*us air force research laboratory, wright-patterson afb oh, ry-wp-tr-2012-0286, november 2012.*
- **TEDX talk: the future of identity – new research ideas at sri international**  
*<http://www.youtube.com/watch?v=qteteapieb0>, menlo park ca, may 2012.*
- **virtual environment real user studies: gamer insights and interim results**  
*canadian games studies association (cgsa) conf, fredericton, new brunswick, may 2011.*
- **TEDX talk: measuring social deliberative skills with online gaming**  
*<http://www.youtube.com/watch?v=rc8gvghjyz0>, menlo park ca, nov 2010.*
- **virtual environment real user studies: design and methodological considerations**  
*journal of applied learning technology, v1.1, winter 2011.*
- **modeling sleep-related activities from experimental observations**  
*intl. conference on neuroergonomics, ahfe, miami fl, july 2010.*
- **realizing adaptive instruction: the convergence of learning, instruction, and assessment**  
*augcog 2009, hci international conf, san diego ca, july 2009.*
- **the evolution of wearable soldier systems: lessons learned**  
*cpsr technology conf, stanford university law school ca, january 2008.*

- **a flexible security architecture for ubiquitous mobile & wearable systems**  
*international soldier security conference, boston ma, december 2004.*
- **individual identification for dismounted mobile systems: new progress on interoperability**  
*combat id systems conference, johns hopkins university, columbia md, september 2003.*
- **a contextually-integrated human interface architecture for mobile & wearable systems**  
*land warfare conference, brisbane, australia, october 2002.*
- **improving information flow & raising situation awareness**  
*proc. of smc 2002, brussels, belgium, june 2002.*
- **mobile communications, driver distraction and vehicle accidents**  
*international journal of vehicle design, vol. 26(1), 2001.*
- **knowledge discovery in human-machine systems**  
*intl. conference on human-computer interaction, new orleans la, aug. 2001.*
- **affordance perception and safety intervention**  
*human factors and ergonomics soc. conf., san diego ca, vol. 6, pp. 51-54, 2000.*
- **wearable computers: architecting human-centric systems**  
*ieee intl. symposium on wearable computers, atlanta ga, oct. 2000.*
- **human factors issues in the design of medical devices**  
*medical design & manufacturing conf., anaheim ca, pp. 116-1-116-6, jan 1999.*
- **user interaction, human factors, & the creative edge in intelligent transportation systems**  
*conference chair & organizer, sae/its america workshop, san diego ca, june 1999.*
- **human factors in nuclear power plants: a search for pattern and context**  
*ergocon'99, san jose ca, june 1999.*
- **mobile telephones and road accidents: a review of the issues**  
*silicon valley ergonomics conference, palo alto ca, may 1998.*
- **an experiment to assess task complexity in the supervision of networked systems**  
*ieee conf. on systems, man, & cybernetics, orlando fl, oct. 1997.*
- **hortatory operations and cognitive ergonomics**  
*international journal of cognitive ergonomics, vol. 1(2), 1997.*
- **hortatory operations in highway traffic management**  
*ieee trans. on systems, man, & cybernetics, vol. 27(3), may 1997.*
- **operator support in ATMS: a heuristics model and an experimental study**  
*human factors & ergonomics soc. conf., philadelphia pa, sept. 1996.*
- **modeling a human-machine system using knowledge engineering techniques**  
*intl. symposium on human interaction with complex systems, dayton oh, aug. 1996.*
- **issues in internet business and education**  
*monthly column, webmaster magazine, paragon, dorset uk, 1995-1996.*
- **an experimental study in integrating qualitative field information with quantitative data in intelligent traffic congestion detection systems**  
*technical report ioe 95/30, u of michigan, dec 1995.*
- **AUTOCAR - a decision support tool for freeway traffic controllers**  
*journal of computers in industrial engineering, vol 29/1, 1995.*
- **invited commentaries on internet development policy**  
*ieee computer, vol 28/5 & 28/8, may & august 1995*
- **creationism and evolution in software engineering**  
*ieee computer, vol 28/7, july 1995*
- **a knowledge-based architecture for traffic information infrastructure**  
*technical report, its research center, u of michigan, may 1995*
- **technology education in the 21<sup>st</sup> century**  
*research report, college of engineering, u of michigan, february 1995*
- **a software engineering approach to complexity in network supervision tasks**  
*ieee conference on systems, man, & cybernetics, san antonio tx, oct. 1994.*
- **research strategy in HCI and software engineering: isn't it a two-way street?**  
*hci-se workshop, human factors & ergonomics soc. conference, nashville tn, oct. 1994.*
- **some perspectives on visual depth perception**  
*acm siggraph computer graphics, vol 28/2, may 1994.*
- **dynamic mental models in real-time network operations:**  
*technical report, center for ergonomics, u of michigan, dec. 1993.*

- **going with the flow: computer visualization of road traffic information**  
*human factors & ergonomics soc. conference, seattle wa, october 1993.*
- **problem reporting and development tracking using VM/SP**  
*acm sigsoft software engineering notes, vol 13/4, october 1988.*
- **software source control techniques using VM/SP and CMS**  
*acm sigsoft software engineering notes, vol 13/2, april 1988.*
- **SURFER: a design for small experimental spacecraft**  
*starlab report, stanford university school of engineering, june 1986.*
- **the computer as a new communications medium**  
*technical report g65.1023, new york university, 1984.*
- **VM/SP: REXX language application development guide**  
*ibm publication number sc24-5247-0, june 1984.*