



**COLLEGE OF INFORMATION SCIENCES AND TECHNOLOGY
THE PENNSYLVANIA STATE UNIVERSITY**

Some Useful Papers for Agent-Based Cognitive Modeling

Frank Ritter et al.

frank.ritter@psu.edu

Tech. Report ACS11-3

8 sept 2011

Phone +1 (814) 865-4453 Fax +1 (814) 865-5604

College of IST, Information Sciences and Technology Building, University Park, PA 16802

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Frank Ritter et al
frank.ritter@psu.edu
College of Information Sciences and Technology
The Pennsylvania State University
University Park, PA 16802

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Abstract

The aim of this project is to note some useful papers, and to examine how references work on the Internet. I've read these papers, and they are all useful.

Acknowledgements

The views and conclusions contained in this report are those of the authors and should not be interpreted as representing the official policies, either expressed or implied, of the U.S. Government or the Pennsylvania State University.

Frank Ritter has provided useful comments, but incompleteness and inadequacies remain the fault of the author.

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1 Introduction

It would be useful to have a list of useful papers. This report does that. Later versions will provide more annotations.

It would also be interesting to see who reads this paper. It is not intended to be read or cited yet itself, but only put up for potential co-authors to see.

2 Papers on science

(Gopen & Swan, 1990)

(Bolles, 1994)

(P. Gray & Drew, 2008)

(Strunk & White, 1979, but any edition will do)

3 Papers by others

Here are some useful papers by others:

Kirlik:

(Byrne & Kirlik, 2005; Kirlik, 2006)

Richard Young:

(Chase, Young, Singer, & Clark, 1971, this is a particularly hard to find paper, and illustrates several interesting points)

Frank Ritter, early work:

(Davis & Ritter, 1987; Feurzeig, Massey, Downes-Martin, & Ritter, 1985; Feurzeig & Ritter, 1988; Panagos, Feurzeig, & Ritter, 1987; Reder & Ritter, 1988; F. Ritter, 1987; F. Ritter & Panagos, 1986, 1987; F. E. Ritter, 1985a, 1985b, 1985c, 1986, 1986 November, 1987, 1988a, 1988b)

Frank Ritter, later work:

(Arnold, Kuk, & Ritter, 1995; Bass, Baxter, & Ritter, 1995; Baxter & Ritter, 1996a, 1996b, 1997; Chapman, Ritter, & Baumann, 1996; Jones & Ritter, 1997; Nichols & Ritter, 1995; R. Ong & Ritter, 1995; R. L. Ong, 1995; F. Ritter, 1997; F. E. Ritter, 1994, 1995; F. E. Ritter & Baxter, 1996a, 1996b; F. E. Ritter, Bibby, Marshall, & Lochun, 1994; F. E. Ritter & Bibby, 1997; F. E. Ritter & Bishop, 1997; F. E. Ritter, Jones, & Young, 1996; F. E. Ritter & Larkin, 1994; F. E. Ritter, Lochun, Bibby, & Marshall, 1994; F. E. Ritter & Major, 1994, 1995; F. E. Ritter, Nerb, & Kindsmüller, 1994; F. E. Ritter & Ong, 1994; F. E. Ritter et al., 1996; F. E. Ritter & Young, 1994; F. E. Ritter & Young, 1996)

Frank Ritter, nearly current work:

(Anderson, 2007; Bennett, 2006; Cohen, Ritter, & Haynes, 2005, 2007; Daughtry & Ritter, 2005; Evertsz, Ritter, & Anthony, 2007; Evertsz, Ritter, Busetta, & Shepherdson, 2007; Evertsz, Ritter, Russell, & Shepherdson, 2007; Friedrich, Cohen, & Ritter, 2007; Girouard, Smith, & Ritter, 2006; Gluck, Gunzelmann, Gratch, Hudlicka, & Ritter, 2006; Gobet & Lane, 2007; Kim & Ritter,

2007; Klein, Whetzel, Bennett, Ritter, & Granger, 2006; Kukreja, Stevenson, & Ritter, 2006; Morgan, Cohen, Haynes, & Ritter, 2005; Morgan, Ritter, Stevenson, Schenck, & Cohen, 2005; Morgan, Ritter, Stine, & Klein, 2006; Nerb, Ritter, & Langley, 2007; Ohlsson, 2007; Pavlik, 2007; Reifers, Ritter, Klein, & Whetzel, 2005; Reigeluth, 2007; F. E. Ritter, 2005; F. E. Ritter, Bennett, & Klein, 2006; F. E. Ritter, Ceballos, Reifers, & Klein, 2005; F. E. Ritter, Evertsz, & Kase, 2007; F. E. Ritter, Freed, & Haskett, 2005; F. E. Ritter et al., 2006; F. E. Ritter, Kase, Bhandarkar, Lewis, & Cohen, 2007; F. E. Ritter, Kukreja, & St. Amant, 2007; F. E. Ritter, Morgan, Stevenson, & Cohen, 2005; F. E. Ritter & Nerb, 2007; F. E. Ritter, Nerb, & Lehtinen, 2007; F. E. Ritter, Nerb, O'Shea, & Lehtinen, 2007; F. E. Ritter & Norling, 2006; F. E. Ritter, Reifers, Klein, & Schoelles, 2007; F. E. Ritter, Reifers, A. L., & Schoelles, M. J., 2005; F. E. Ritter, Schoelles, Klein, & Kase, 2007; F. E. Ritter, Van Rooy, St. Amant, & Simpson, 2006; F. E. Ritter & Wood, 2005; Scheiter & Gerjets, 2007; St. Amant, Freed, & Ritter, 2005; St. Amant, Riedel, Ritter, & Reifers, 2005; St. Amant & Ritter, 2004; Sun, Council, Fan, Ritter, & Yen, 2004; Tor, Haynes, Ritter, & Cohen, 2004; Tor & Ritter, 2004; Tor, Ritter, Haynes, & Cohen, 2004; Whetzel, Ritter, & Klein, 2006)

Books in the Cognitive modeling series

(Anderson, 2007; Bach, 2008; W. D. Gray, 2007; F. E. Ritter, Nerb, O'Shea, & Lehtinen, 2007; Salvucci & Taatgen, 2011)

4 Conclusion

This report provides some useful references and citations.

5 References

Most of these references are available on the web.

- Anderson, J. R. (2007). *How can the human mind exist in the physical universe?* New York, NY: Oxford University Press.
- Arnold, M., Kuk, G., & Ritter, F. E. (1995). MacSHAPA review. *CTI Psychology Software Review*, 6(1), 18-20.
- Bach, J. (2008). *Principles of synthetic intelligence: Building blocks for an architecture of motivated cognition*. New York, NY: Oxford University Press.
- Bass, E. J., Baxter, G. D., & Ritter, F. E. (1995). Creating models to control simulations: A generic approach. *AI and Simulation of Behaviour Quarterly*, 93, 18-25.
- Baxter, G. D., & Ritter, F. E. (1996a). *Designing abstract visual perceptual and motor action capabilities for use by cognitive models* (Tech. Report No. 36): ESRC CREDIT, Psychology, U. of Nottingham.
- Baxter, G. D., & Ritter, F. E. (1996b). The Soar FAQ, <http://www.nottingham.ac.uk/pub/soar/nottingham/soar-faq.html> (Version 1.0) [HTML document]. Nottingham: Psychology Department, U. of Nottingham.
- Baxter, G. D., & Ritter, F. E. (1997). *Model-computer interaction: Implementing the action-perception loop for cognitive models*. In The 1st International Conference on Engineering Psychology and Cognitive Ergonomics, 215-223. Ashgate: Stratford-upon-Avon.
- Bennett, J. M., Whetzel, C. A., Ritter, F. E., Reifers, A., & Klein, L. C. . (2006). Effects of caffeine and stress on cortisol and serial subtraction performance in young healthy men. [abstract of poster presented at the annual meeting of the American Psychosomatic Society, Denver, CO]. *Psychosomatic Medicine*, 68(1), A-62.
- Bolles, R. N. (1994). *What color is your parachute?: A practical manual for job-hunters & career changers*: 10 Speed Press.
- Byrne, M. D., & Kirlik, A. (2005). Using computational cognitive modeling to diagnose possible sources of aviation error. *International Journal of Aviation Psychology*, 15(2), 135-155.
- Chapman, T., Ritter, F. E., & Baumann, M. (1996). *Electronic warfare task manual* (Working paper No. WP/R3BAIA005/013): Cognitive Modeling unit, Psychology Department, U. of Nottingham.
- Chase, W. G., Young, R. M., Singer, M., & Clark, H. H. (1971). *Additive stages in the comparison of sentences and pictures*. In Paper presented at Midwestern Psychological Association Chicago.
- Cohen, M. A., Ritter, F. E., & Haynes, S. R. (2005). *Herbal: A high-level language and development environment for developing cognitive models in Soar*. In Proceedings of the 14th Conference on Behavior Representation in Modeling and Simulation, 133-140. U. of Central Florida: 05-BRIMS-043. Orlando, FL.
- Cohen, M. A., Ritter, F. E., & Haynes, S. R. (2007). *Using reflective learning to master opponent strategy in a competitive environment*. In Proceedings of the 8th International Conference on Cognitive Modeling, 157-162. Taylor & Francis/Psychology Press: Oxford, UK.

- Daughtry, J. M., & Ritter, F. E. (2005). Supporting the active AI and cognitive modeling developer: CaDaDis version 2.1. *AI and the Simulation of Behaviour Quarterly*, 119, 4.
- Davis, L. W., & Ritter, F. (1987). *Schedule optimization with probabilistic search*. In The Third IEEE Computer Society Conference on Artificial Intelligence Applications, 231-236. IEEE Press: Washington, DC.
- Evertsz, R., Ritter, F. E., & Anthony, S. (2007). *ND2.5.1: GUI Specification Working Paper* (Improved Human Behaviour Representation Project No: RT/COM/3/006. Date issued: 2007-01-21).
- Evertsz, R., Ritter, F. E., Busetta, P., & Shepherdson, D. (2007). *Specification of CoJACK 2* (Technical Report RT/COM/3/006).
- Evertsz, R., Ritter, F. E., Russell, S., & Shepherdson, D. (2007). *Modeling rules of engagement in computer generated forces*. In Proceedings of the 16th Conference on Behavior Representation in Modeling and Simulation, 123-134. 107-BRIMS-021. U. of Central Florida: Norfolk, VA.
- Feurzeig, W., Massey, D., Downes-Martin, S., & Ritter, F. (1985). *TRIO to INCOFT adaptation study* (Technical report No. 6194): BBN Laboratories.
- Feurzeig, W., & Ritter, F. (1988). Understanding reflective problem solving. In J. Psotka, L. D. Massey & S. A. Mutter (Eds.), *Intelligent tutoring systems: Lessons learned*. Hillsdale, NJ: Erlbaum.
- Friedrich, M., Cohen, M. A., & Ritter, F. E. (2007). *A gentle introduction to XML within Herbal*. University Park, PA: ACS Lab, The Pennsylvania State University.
- Girouard, A., Smith, N. W., & Ritter, F. E. (2006). *Lessons from decompiling an embodied cognitive model*. In Cognitio 2006 Workshop, cognitio.uqam.ca/index.php?section=posters&lng=en.
- Gluck, K. A., Gunzelmann, G., Gratch, J., Hudlicka, E., & Ritter, F. E. (2006). *Modeling the impact of cognitive moderators on human cognition and performance*. In Proceedings of the 2006 Conference of the Cognitive Science Society, 2658. Erlbaum: Mahwah, NJ.
- Gobet, F., & Lane, P. C. R. (2007). An ordered chaos: How do order effects arise in a cognitive model? In F. E. Ritter, J. Nerb, T. M. O'Shea & E. Lehtinen (Eds.), *In order to learn: How the sequence of topics influences learning* (pp. 107-118). New York, NY: Oxford.
- Gopen, G. D., & Swan, J. A. (1990). The science of scientific writing. *American Scientist*, 78(550-558).
- Gray, P., & Drew, D. E. (2008). *What they didn't teach you in graduate school: 199 helpful hints for success in your academic career*. Sterling, VA: Stylus Publishing.
- Gray, W. D. (Ed.). (2007). *Integrated models of cognitive systems*. New York: Oxford University Press.
- Jones, G., & Ritter, F. E. (1997). *Modelling transitions in children's development by starting with adults*. In Proceedings of the European Conference on Cognitive Science (ECCS '97), 62-67. AISB: Manchester, UK.
- Kim, J., & Ritter, F. E. (2007). *Automatically recording keystrokes in public clusters with RUI: Issues and sample answers*. In Proceedings of the 29th Annual Conference of the Cognitive Science Society, 1787. Cognitive Science Society: Austin, TX.

- Kirlik, A. (2006). Abstracting situated action: Implications for cognitive modeling and interface design. In A. Kirlik (Ed.), *Adaptive perspectives on human-technology interaction* (pp. 212-224). New York, NY: Oxford.
- Klein, L. C., Whetzel, C. A., Bennett, J. M., Ritter, F. E., & Granger, D. A. (2006). Effects of caffeine and stress on salivary alpha-amylase in young men: A salivary biomarker of sympathetic activity. [abstract of talk presented at the annual meeting of the American Psychosomatic Society, Denver, CO.]. *Psychosomatic Medicine*, 68(1), A-4.
- Kukreja, U., Stevenson, W. E., & Ritter, F. E. (2006). RUI—Recording User Input from interfaces under Windows and Mac OS X. *Behavior Research Methods*, 38(4), 656–659.
- Morgan, G. P., Cohen, M. A., Haynes, S. R., & Ritter, F. E. (2005). *Increasing efficiency of the development of user models*. In Proceedings of the IEEE System Information and Engineering Design Symposium IEEE and Department of Systems and Information Engineering, University of Virginia: Charlottesville, VA.
- Morgan, G. P., Ritter, F. E., Stevenson, W. E., Schenck, I. N., & Cohen, M. A. (2005). *dTank: An environment for architectural comparisons of competitive agents*. In Proceedings of the 14th Conference on Behavior Representation in Modeling and Simulation, 05-BRIMS-043. 133-140. U. of Central Florida: Orlando, FL.
- Morgan, G. P., Ritter, F. E., Stine, M. M., & Klein, L. C. (2006). The cognitive effects of caffeine: Implications for models of users: unpublished mss.
- Nerb, J., Ritter, F. E., & Langley, P. (2007). Rules of order: Process models of human learning. In F. E. Ritter, J. Nerb, T. O'Shea & E. Lehtinen (Eds.), *In order to learn: How the sequences of topics affect learning* (pp. 57-69). New York, NY: Oxford University Press.
- Nichols, S., & Ritter, F. E. (1995). *A theoretically motivated tool for automatically generating command aliases*. In Proceedings of the CHI'95 Conference on Human Factors in Computer Systems, 393-400. ACM: New York, NY.
- Ohlsson, S. (2007). Constraining order: Order effects in constraint-based skill acquisition. In F. E. Ritter, J. Nerb, E. Lehtinen & T. O'Shea (Eds.), *In order to learn: How the sequences of topics affect learning* (pp. 151-165). New York, NY: Oxford University Press.
- Ong, R., & Ritter, F. E. (1995). *Mechanisms for routinely tying cognitive models to interactive simulations*. In HCI International '95: Poster sessions abridged proceedings, 84. Dept. of Industrial Engineering, Musashi Institute of Technology: Osaka, Japan.
- Ong, R. L. (1995). Mongsu 2.0: Socket utility for hooking up Soar to simulations with sockets: Available via ritter.ist.psu.edu/nottingham/cc/.
- Panagos, J., Feurzeig, W., & Ritter, F. (1987). *TRIO System Documentation* (No. 6547): BBN Laboratories.
- Pavlik, P. I. (2007). Timing is in order: Modeling order effects in the learning of information. In F. E. Ritter, J. Nerb, E. Lehtinen & T. O'Shea (Eds.), *In order to learn: How the sequences of topics affect learning* (pp. 137-150). New York, NY: Oxford University Press.
- Reder, L. M., & Ritter, F. E. (1988). Feeling of knowing and strategy selection for solving arithmetic problems. *Bulletin of the Psychonomic Society*, 26(6), 495-496.

- Reifers, A., Ritter, F. E., Klein, L., & Whetzel, C. (2005). Modeling the effects of caffeine on visual signal detection (VSD) in a cognitive architecture: Poster presented at "Attention: From Theory to Practice" (A festschrift for Chris Wickens).
- Reigeluth, C. M. (2007). Order, first step to mastery: An introduction to sequencing in instructional design. In F. E. Ritter, J. Nerb, T. M. O'Shea & E. Lehtinen (Eds.), *In order to learn: How the sequences of topics affect learning* (pp. 19-40). New York, NY: Oxford.
- Ritter, F. (1987). *OREO: Orienting Electrical Circuits for Qualitative Reasoning* (Technical No. 6560): BBN Laboratories.
- Ritter, F. (1997). WWW presentation of overheads & exercises. *CTI Psychology Software News*, 7(2), 46.
- Ritter, F., & Panagos, J. (1986). The Yale Loop package: A clause-based loop written in Common Lisp: Available from CL-Utilities-request @cs.cmu.edu, or via anonymous FTP from ftp.cs.cmu.edu as file
/afs/cs/user/mkant/Public/Lisp/code/iter/loop/yloop/yloop.cl.
- Ritter, F., & Panagos, J. (1987). *TRIO User's Handbook* (Technical Report No. 6206): BBN Laboratories.
- Ritter, F. E. (1985a). ICAI Systems: TRIO & Quest at BBN.
- Ritter, F. E. (1985b). Simulated Annealing as a Function Minimization Technique and Simulated Annealing as a Planning Technique.
- Ritter, F. E. (1985c). TRIO Overview and Potentials.
- Ritter, F. E. (1986). A Random walk through AI.
- Ritter, F. E. (1986 November). *AI at Bolt, Beranek and Newman*. In 8th Annual Conference of the AI Society of New England (AISNE) Yale University.
- Ritter, F. E. (1987). Symbolics product review. *Technology and Learning*, 1(2).
- Ritter, F. E. (1988a). Extending the Seibel-Soar Model: Presented at the Soar V Workshop held at CMU.
- Ritter, F. E. (1988b). ITS and Modeling the Seibel Task in Soar.
- Ritter, F. E. (1994). Whom don't you believe? Refereed publication on rec.humor.funny (pp. 10).
- Ritter, F. E. (1995). Review of "Soar: An architecture in perspective". *Philosophical Psychology*, 8(3), 301-305.
- Ritter, F. E. (2005). Review of "Boyd: The fighter pilot who changed the art of war". *The Military Psychologist, The Official Newsletter of Division 19 of the APA*, 21(2), 21. www.apa.org/divisions/div19/.
- Ritter, F. E., & Baxter, G. D. (1996a). *Able, III: Learning in a more visibly principled way* (Tech. Report No. 40. 8 pages.). Nottingham: ESRC CREDIT, Dept. of Psychology, U. of Nottingham.
- Ritter, F. E., & Baxter, G. D. (1996b). Steps towards an engineering-based approach to user interface design based on cognitive architectures. Manuscript being reprepared.
- Ritter, F. E., Bennett, J., & Klein, L. C. (2006). *Serial subtraction performance in the cycling study* (Tech. Report No. 2006-1): Applied Cognitive Science Lab, College of Information Sciences and Technology, Penn State.
- Ritter, F. E., Bibby, P., Marshall, S. S., & Lochun, S. K. (1994). *Matching the predictions of a model that learns*. In Overheads included in the Proceedings The Soar XIII

- workshop, 110-116. The Department of Medical Informatics: The Ohio State University.
- Ritter, F. E., & Bibby, P. A. (1997). *Modelling learning as it happens in a diagrammatic reasoning task* (Tech. Report No. 45): ESRC CREDIT, Dept. of Psychology, U. of Nottingham.
- Ritter, F. E., & Bishop, M. (1997). The effect of abbreviation on time and errors: Even novices can profit from aliases. unpublished manuscript.
- Ritter, F. E., Ceballos, R., Reifers, A. L., & Klein, L. C. (2005). *Measuring the effect of dental work as a stressor on cognition* (Tech. Report No. 2005-1): Applied Cognitive Science Lab, School of Information Sciences and Technology, Penn State. acs.ist.psu.edu/acs-lab/reports/ritterCRK05.pdf.
- Ritter, F. E., Evertsz, R., & Kase, S. E. (2007). *ND2.1.1 CoJACK Enhancement Parameters (v. 0.3)* (Improved Human Behaviour Representation Project No: RT/COM/3/006).
- Ritter, F. E., Freed, A. R., & Haskett, O. L. (2005). User information needs: The case of university department web sites. *ACM interactions*, 12(5), 19-27. acs.ist.psu.edu/acs-lab/reports/ritterFH02.pdf.
- Ritter, F. E., Haynes, S. R., Cohen, M., Howes, A., John, B., Best, B., et al. (2006). *High-level behavior representation languages revisited*. In Proceedings of ICCM - 2006-Seventh International Conference on Cognitive Modeling, 404-407. Edizioni Goliardiche: Trieste, Italy.
- Ritter, F. E., Jones, G., & Young, R. M. (1996). Report on Tutorial 1: Introduction to the Soar cognitive architecture. *AISB Quarterly*, 95, 18.
- Ritter, F. E., Kase, S. E., Bhandarkar, D., Lewis, B., & Cohen, M. A. (2007). *dTank updated: Exploring moderator-influenced behavior in a light-weight synthetic environment*. In Proceedings of the 16th Conference on Behavior Representation in Modeling and Simulation, 51-60. 07-BRIMS-014. U. of Central Florida: Norfolk, VA.
- Ritter, F. E., Kukreja, U., & St. Amant, R. (2007). Including a model of visual processing with a cognitive architecture to model a simple teleoperation task. *Journal of Cognitive Engineering and Decision Making*, 1(2), 121-147.
- Ritter, F. E., & Larkin, J. H. (1994). Developing process models as summaries of HCI action sequences. *Human-Computer Interaction*, 9(3), 345-383.
- Ritter, F. E., Lochun, S., Bibby, P. A., & Marshall, S. (1994). *Dismal: A free spreadsheet for sequential data analysis and HCI experimentation*. In Computers in Psychology '94, 62-63. CTI Centre for Psychology, U. of York: York (UK).
- Ritter, F. E., & Major, N. P. (1994). *Useful mechanisms for developing simulations for Soar models* (No. 18): ESRC Centre for Research in Development, Instruction, and Training, Dept. of Psychology, U. of Nottingham.
- Ritter, F. E., & Major, N. P. (1995). Useful mechanisms for developing simulations for cognitive models. *AISB Quarterly*, 91(Spring), 7-18.
- Ritter, F. E., Morgan, G. P., Stevenson, W. E., & Cohen, M. A. (2005). *A tutorial on Herbal: A high-level language and development environment based on Protégé for developing cognitive models in Soar*. In Proceedings of the 14th Conference on Behavior Representation in Modeling and Simulation, xxix-xxxii. 05-BRIMS-041. U. of Central Florida: Orlando, FL.

- Ritter, F. E., & Nerb, J. (2007). Call to order: How sequence effects in humans and artificial systems illuminate each other. In F. E. Ritter, J. Nerb, T. M. O'Shea & E. Lehtinen (Eds.), *In order to learn: How the sequences of topics affect learning* (pp. 3-15). New York, NY: Oxford.
- Ritter, F. E., Nerb, J., & Kinds Müller, M. (1994). *Steps towards a series of models for a developmental task*. In Overheads included in the *Proceedings of the EuroSoar 8 Workshop*, 95-99. Graduate School of Experimental Psychology: U. of Leiden.
- Ritter, F. E., Nerb, J., & Lehtinen, E. (2007). Getting things in order: Collecting and analysing data on learning. In F. E. Ritter, J. Nerb, T. O'Shea & E. Lehtinen (Eds.), *In order to learn: How the sequences of topics affect learning* (pp. 81-92). New York, NY: Oxford.
- Ritter, F. E., Nerb, J., O'Shea, T. M., & Lehtinen, E. (Eds.). (2007). *In order to learn: How the sequences of topics affect learning*. New York, NY: Oxford University Press.
- Ritter, F. E., & Norling, E. (2006). Including human variability in a cognitive architecture to improve team simulation. In R. Sun (Ed.), *Cognition and multi-agent interaction: From cognitive modeling to social simulation* (pp. 417-427). Cambridge, UK: Cambridge University Press.
- Ritter, F. E., & Ong, R. (1994). The simple-menu package, release 1.2: Available from The Ohio State University elisp archives on archive.cis.ohio-state.edu as file /pub/gnu/emacs/elisp-archive/interfaces/simple-menu.el.Z.
- Ritter, F. E., Reber, R., Ritter, S., Reber, P., Ritter, C., Reder, L. M., et al. (1996). The effect of price on gustatory perception of fermented malt beverages. *J. of Irreproducible Results*, 41(3), 18-20.
- Ritter, F. E., Reifers, A. L., Klein, L. C., & Schoelles, M. J. (2007). Lessons from defining theories of stress for architectures. In W. Gray (Ed.), *Integrated models of cognitive systems* (pp. 254-262). New York, NY: Oxford University Press.
- Ritter, F. E., Reifers, A. L., & Schoelles, M. J. (2005). *Defining testable theories of pre-task appraisal stress* (Tech. Report No. ACS 2005-2). Applied Cognitive Science Lab, School of Information Sciences and Technology, Penn State. acs.ist.psu.edu/reports/ritterRKS05.pdf.
- Ritter, F. E., Schoelles, M. J., Klein, L. C., & Kase, S. E. (2007). *Modeling the range of performance on the serial subtraction task*. In *Proceedings of the 8th International Conference on Cognitive Modeling*, 299-304. Oxford, UK: Taylor & Francis/Psychology Press.
- Ritter, F. E., Van Rooy, D., St. Amant, R., & Simpson, K. (2006). Providing user models direct access to interfaces: An exploratory study of a simple interface with implications for HRI and HCI. *IEEE Transactions on System, Man, and Cybernetics, Part A: Systems and Humans*, 36(3), 592-601.
- Ritter, F. E., & Wood, A. B. (2005). Dismal: A spreadsheet for sequential data analysis and HCI experimentation. *Behavior Research Methods*, 37(1), 71-81.
- Ritter, F. E., & Young, R. M. (1994). Practical introduction to the Soar cognitive architecture: Tutorial report. *AISB Quarterly*, 88, 62.
- Ritter, F. E., & Young, R. M. (1996). The Psychological Soar Tutorial, acs.ist.psu.edu/nottingham/pst-ftp.html (Version Vers. 12) [HTML document]. Nottingham: Psychology Department, U. of Nottingham.

- Salvucci, D. D., & Taatgen, N. A. (2011). *The multitasking mind*. New York, NY: Oxford.
- Scheiter, K., & Gerjets, K. (2007). Making your own order: Order effects in system- and user-controlled settings for learning and problem solving. In F. E. Ritter, J. Nerb, T. M. O'Shea & E. Lehtinen (Eds.), *In order to learn: How the sequences of topics affect learning* (pp. 181-194). New York, NY: Oxford.
- St. Amant, R., Freed, A. R., & Ritter, F. E. (2005). Specifying ACT-R models of user interaction with a GOMS language. *Cognitive Systems Research*, 6(1), 71-88.
- St. Amant, R., Riedel, M. O., Ritter, F. E., & Reifers, A. (2005). *Image processing in cognitive models with SegMan*. In Proceedings of HCI International '05, Volume 4 - Theories Models and Processes in HCI. Paper # 1869. Erlbaum: Mahwah, NJ.
- St. Amant, R., & Ritter, F. E. (2004). *Automated GOMS to ACT-R model generation*. In Proceedings of the International Conference on Cognitive Modeling, 26-31. Erlbaum: Mahwah, NJ.
- Strunk, W., & White, E. B. (1979). *The elements of style*. NY, NY: Macmillan.
- Sun, S., Councill, I. G., Fan, X., Ritter, F. E., & Yen, J. (2004). *Comparing teamwork modeling in an empirical approach*. In Proceedings of the Sixth International Conference on Cognitive Modeling, 388-389. Erlbaum: Mahwah, NJ.
- Tor, K., Haynes, S. R., Ritter, F. E., & Cohen, M. A. (2004). *Categorical data displays generated from three cognitive architectures illustrate their behavior*. In Proceedings of the International Conference on Cognitive Modeling, 302-307. Erlbaum: Mahwah, NJ.
- Tor, K., & Ritter, F. E. (2004). *Using a genetic algorithm to optimize the fit of cognitive models*. In Proceedings of the Sixth International Conference on Cognitive Modeling, 308-313. Erlbaum: Mahwah, NJ.
- Tor, K., Ritter, F. E., Haynes, S. R., & Cohen, M. A. (2004). *CaDaDis: A tool for displaying the behavior of cognitive models and agents*. In Proceedings of the 13th Conference on Behavior Representation in Modeling and Simulation, 04-BRIMS-032. 192-200. www.sisostds.org/cgf-br/004Brims/. U. of Central Florida: Orlando, FL.
- Whetzel, C. A., Ritter, F. E., & Klein, L. C. (2006). DHEA-S and cortisol responses to stress and caffeine in healthy young men: Is DHEA-S a reliable marker for stress? [abstract of poster presented at the annual meeting of the American Psychosomatic Society, Denver, CO] *Psychosomatic Medicine*, 68(1), A-77.