

## **FRANK E. RITTER**

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Frank Ritter's current research is in the development, application, and methodology of cognitive models, particularly as applied to interface design, predicting the effect of behavioral moderators, and understanding learning. With Martin Yeh, he has an iPhone app, *caffeinezone*, for predicting the time course and effects of caffeine, and his lab is building tutors for the Marine Corps on shooting and combat lifesaving skills. He has helped write and edit several books. A report on applying cognitive models in synthetic environments, was published by the Human Systems Information Analysis Center (HSIAC) as a State of the Art Report (2003), a book on order effects on learning was published in 2007 by Oxford, and he contributed to a National Research Council report (Pew & Mavor, eds., 2007) on how to use cognitive models to improve human-system design.

He is about to publish a book of practical advice on how to run studies given as a tutorial here at BRIMS 2012 (Sage) and the ABCS of what psychology do systems designers need to know (Springer).

Three of his papers on modeling users have won awards, one on high level languages with St. Amant was selected for the "Siegel-Wolf Award for best applied modeling paper" at the International Conference on Cognitive Modeling, and two were selected for recommended reading lists by the BRIMS conference, one on interfaces for models and one on how rules of engagement can be influenced by moderators. The ABCS book has repeatedly won awards at the HCI Consortium annual meeting.

He has served as an external examiner in England for degree programs in cognitive science and knowledge management systems. He currently edits the Oxford series on cognitive models and architectures for Oxford University Press. With Drs. William Kennedy and Bradley Best, he has co-chaired the BRIMS conference and edited special issues of the best papers for Computational and Mathematical Organizational Theory. His work has been funded by ARL, Darpa, DMSO, Dstl (UK), DSTO (Australia), DTRA, and ONR. He spent the Fall 2005 semester as a Senior Fulbright Scholar at TU/Chemnitz in Germany.