

Brian Michael Slator
Associate Professor
Computer Science Dept, North Dakota State University,
IACC Bldg, Rm. 258-A6, Fargo, ND 58105
slator@badlands.nodak.edu <http://www.cs.ndsu.nodak.edu/~slator/>
(office) 701-231-6124 (home) 701-271-8875

Education

Ph.D. 1988 Computer Science (Related Area: Linguistics), New Mexico State University, Las Cruces, NM; Dissertation: Lexical Semantics and Preference Semantics Analysis; Advisor: Dr. Yorick A. Wilks.

M.S. 1985 Computer Science (Minor: Linguistics), New Mexico State University, Las Cruces, NM; Thesis: Natural Language Interface: An Algorithm for Design.

B.S. 1983 Computer Science (with Honors; second major in English), University of Wisconsin - La Crosse.

Employment

1996-present Associate Professor, Computer Science Dept., North Dakota State University.

1992-1996 Assistant Professor (Research), The Institute for the Learning Sciences, Northwestern University.

1990-1992 Research Associate, The Institute for the Learning Sciences, Northwestern University.

1989-1992 Research Specialist, Natural Language Group, (Summer position), Computing Research Laboratory, New Mexico State University.

1988-1990 Assistant Professor, Department of Computer Science, North Dakota State University.

1985-1988 Graduate Research Fellow, Natural Language Group, Computing Research Laboratory, New Mexico State University.

Up to 5 Publications Most Closely Related

1. Slator, Brian M. (1999). Intelligent Tutors in Virtual Worlds. *8th International Conference on Intelligent Systems*. Denver, CO. June 24-26.
2. Slator, B.M., P. Juell, P.E. McClean, B. Saini-Eidukat, D.P. Schwert, A. White, C. Hill (1999). Virtual Environments for Education at NDSU. *World Conference on Educational Media, Hypermedia and Telecommunications (ED-MEDIA 99)*, June 19-24, Seattle, WA. (Outstanding Paper Award)
3. Schwert, D.P., B.M. Slator, B. Saini-Eidukat, (1999). A Virtual World For Earth Science Education In Secondary And Post-Secondary Environments: The Geology Explorer. *International Conference on Mathematics/Science Education & Technology (MSET-99)*, March 1-4, San Antonio, TX.
4. Slator, Brian M., Donald Schwert, Bernhardt Saini-Eidukat (1999). Phased Development of a Multi-Modal Virtual Educational World. *Proceedings of the International Conference on Computers and Advanced Technology in Education (CATE'99)*, Cherry Hill, NJ, May 6-8
5. Slator, Brian M. and Golam Farooque (1998). The Agents in an Agent-based Economic Simulation Model. *11th International Conference on Computer Applications in Industry And Engineering (CAINE-98)* November 11-13, 1998, Las Vegas, Nevada USA, pp. 175-179. (International Society for Computers and Their Applications (ISCA)).

Up to 5 Other Significant Publications

1. 4.Slator, Brian M. and Harold "Cliff" Chaput (1996). Learning by Learning Roles: a virtual role-playing environment for tutoring. *Third International Conference on Intelligent Tutoring Systems (ITS'96)*. Montreal: Springer-Verlag, June 12-14, pp. 668-676. (Lecture Notes in Computer Science, edited by C. Frasson, G. Gauthier, A. Lesgold).

2. Manaris, Bill and Brian M. Slator (1996). Interactive Natural Language Processing: Building on Success. *IEEE Computer*. (Special Edition on Interactive Natural Language Processing, Edited by Manaris and Slator). July. pp. 28-32.
3. Guthrie, Louise, James Pustejovsky, Yorick A. Wilks and Brian M. Slator (1996). The Role of Lexicons in Natural Language Processing. *Communications of the ACM*. (Special Edition on Natural Language Processing, edited by Yorick A. Wilks), Vol. 39, No. 1, pp. 63-72.
4. Slator, Brian M. and Kerim C. Fidel (1994). Topical Indexing and Questions to Represent Text for Retrieval and Browsing. *Integrated Computer-Aided Engineering*, Vol. 6, No. 4. (Special Issue on Knowledge Extraction from Text, edited by Steven Leo Lytinen). Wiley and Sons: New York.
5. Slator, Brian M. and Christopher K. Riesbeck (1992). TaxOps: a case-based advisor. *International Journal of Expert Systems*, Vol. 4, No. 2, pp. 117-140 (Special issue on Case-based Reasoning, edited by Evangelous Simoudis), JAI Press: Greenwich, CT.

List of collaborators during the last 48 months

Roger Schank, Chris Riesbeck, Ray Bareiss, Alex Kass, Gregg Collins, Tom Hinrichs, Cliff Chaput, Bob Hooker, Scott MacQuarrie, Kerim Fidel: Institute for the Learning Sciences at Northwestern University
 Kendall Nygard, Mark Pavicic, Ken Magel, Paul Juell, Bill Perrizo: Computer Science Dept. at NDSU
 Phil McClean, Alan White, Don Schwert, Bernhardt Saini-Eidukat Joseph Latimer, Jeffrey Clark, Plant Science, Botany/Biology, Geosciences, Business, and Sociology/Anthropology Departments at NDSU
 Richard Beckwith, Intel Corporation
 Yorick Wilks: Sheffield University
 Louise Guthrie: University of Texas, El Paso
 Bill Manaris: University of Southwest Louisiana

Graduate and Postdoctoral Advisors

Dr. Yorick A. Wilks, Department of Computer Science, University of Sheffield, Regent Court, 211 Portobello Street, Sheffield, UK, S14DP (ph: 011-44/742-825-571; email: yorick@dcs.sheffield.ac.uk)

Other Relevant Information

Dr. Brian M. Slator is Associate Professor of Computer Science at North Dakota State University. Dr. Slator has in-depth experience with the design, development and implementation of a number of MUD and MOO environments for learning. Although involved in related projects at New Mexico State University and elsewhere, the expertise of highest direct relevance to this project was gained while employed as a research scientist at the Institute for the Learning Sciences (ILS) where he designed and managed the development of a number of multi-media applications in educational technology and case-based reasoning for intelligent tutoring and job-aid style performance support. In addition, he was the architect of an interactive, multi-user retailing game, its economic simulation and software agent-based tutoring, and manager of the GAMES project.