CURRICULUM VITAE:

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PERSONAL INFORMATION:

DATE OF BIRTH: JAN. 15, 1968
PLACE OF BIRTH: CAIRO, EGYPT
NATIONALITY: EGYPTIAN

EDUCATION

1994-1998	Ph.D., Mathematics, Dec. 1998, University of Wisconsin-Madison, USA
1994-1995	M.A., Mathematics, Dec. 1995, University of Wisconsin-Madison, USA
1990-1993	M.Eng., Eng. Mathematics, Dec. 1993, Cairo University, Egypt
1990-1992	B.Sc., Mathematics, June 1992, Cairo University, Egypt
1985-1990	B.Eng. Electrical Engineering, June 1990, Cairo University, Egypt
1978-1985	German Evangelical Highschool, Cairo, Egypt

WORK EXPERIENCE

Summer 2000	Lecturer,Mathematics Department, Computer Science Department, University of Wisconsin-Madison, USA
2000-to-date	Lecturer, Department of Engineering Mathematics and Physics, Faculty of Engineering, Cairo University, Egypt
2000-to-date	Lecturer, Faculty of Computer Science, October University for Modern Sciences and Arts
1998-1999	Faculty Assistant, Mathematics Department, University of Wisconsin-Madison, USA
1998-1999	Research Associate, Department of Civil and Environmental Engineering, UW-Madison, USA
1994-1998	Teaching Assistant, Mathematics Department, UW-Madison, USA
1996-1998	Teaching Assistant Coordinator, UW-Madison

Summer 1997	Research Assistant, UW-Madison
1994-1999	Assistant Lecturer (on leave), Department of Engineering Math and Physics, Faculty of Engineering, Cairo University, Egypt
1990-1993	Teaching Assistant, Cairo University, Egypt

PRIZES

1992, Award given to the highest score in the B.Sc., Faculty of Science, Cairo University
1997, Teaching Award given to outstanding teaching assistants, UW-Madison

PUBLICATIONS

Lotfallah, W.B.: "Strong 0-1 laws in finite model theory", to appear in the *Journal of Symbolic Logic.*

Lotfallah, W.B.: "Strong convergence laws in finite model theory", to appear in the *Journal of Symbolic Logic.*

Hanna, A.S. and Lotfallah, W.B.: "A fuzzy logic approach to the selection of cranes", *Automation in Construction*, 1999, Vol. 8, 597-608.

Keisler, H.J. and Lotfallah, W.B.: "Shrinking games and local formulas", Submitted to *Information and Computation*.

Keisler, H.J. and Lotfallah, W.B.: "Almost everywhere quantifier elimination", Submitted to *Logic and Computation*.

Lotfallah, W.B.: "On the complexity of the first order random theory", submitted *to Logic and Computation.*

Hanna, A.S. and Lotfallah, W.B.: "A statistical-fuzzy approach to quantify cumulative impact of change orders on labor productivity", Submitted to *Automation in Construction.*

A-Moneim, Atef M. and Lotfallah, W.B.: "Omitting Parentheses", in preparation.

RESEARCH REFERENCES

H. Jerome Keisler, Professor of Mathematics, UW-Madison,
E-mail: keisler@math.wisc.edu

Kenneth Kunen, Professor of Mathematics, UW-Madison,
E-mail: kunen@math.wisc.edu

Kevin Compton, Professor of Electrical Eng. and C.S., Univ. of Michigan,
E-mail: kjc@eecs.umich.edu

COURSES TAUGHT

Mathematics Courses:

Mathematics Department, UW-Madison:

112 (College Algebra), 113 (Trigonometry), 221-3 (Calculus 1-3), 340 (Linear Algebra)

Department of Engineering Mathematics and Physics, Cairo University:

Preparatory year (Calculus, Algebra, Analytical Geometry)
1st year (Differential Equations, Infinite Series, Series Solution of DEs, Partial Differentiation, Fourier Analysis, Laplace Transform)
2nd year (Complex Analysis, Linear Algebra)
3rd year (Probability, Partial Differential Equations, Integral Transforms)
A Graduate Course in Partial Differential Equations
A Graduate Course in Technical English Writing

Computer Science Courses:

Computer Science Department, UW-Madison:

540 (Introduction to Artificial Intelligence)

Faculty of Computer Science, MSA:

411 (Theory of Computing)

TEACHING REFERENCES

Daniel Rider, Professor of Mathematics, UW-Madison,
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