

Gerry Vernon Dozier

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EDUCATION

Northeastern Illinois University	Computer Science & Mathematics	B.S.	1988
North Carolina State University	Computer Science	M.S.	1991
North Carolina State University	Computer Science	Ph.D.	1995

EMPLOYMENT HISTORY

- Fall 2017-Present, Professor, Auburn University
- Fall 2007-Spring 2017, Professor & Chair, North Carolina A&T State University
- Fall 2002-Spring 2007, Associate Professor, Auburn University
- Fall 1997-Spring 2002, Assistant Professor, Auburn University
- Fall 1996-Spring 1997, Assistant Professor, North Carolina A&T State University
- Fall 1995-Spring 1996, Adjunct Assistant Professor, North Carolina A&T State University

FIVE RECENT RELEVANT PUBLICATIONS

- James Brown, Mohd Anwar, Gerry Dozier (2017). "An artificial immunity approach to malware detection in a mobile platform," *EURASIP Journal on Information Security* (2017) 2017:7
- Day, S., Brown, J., Thomas, Z., Gregory, I., Bass, L. and Dozier, G. (2016). "Adversarial Authorship, AuthorWebs, and Entropy-Based Evolutionary Clustering." *Proceedings of the IEEE International Conference on Computer Communication and Networks (ICCCN)*.
- Mack, N., Bowers, J., Williams, H., Dozier, G., and Shelton, J., (2015). "The Best Way to a Strong Defense is a Strong Offense: Mitigating Deanonimization Attacks via—Iterative Language Translation," *International Journal of Machine Learning and Computing*, 2015. vol. 5, no. 5, pp. 409-413, 2015.
- Shelton, J., Roy, K., O'Connor, B., and Dozier, G. (2014). "Mitigating Iris-Based Replay Attacks", *The International Journal on Machine Learning and Computing (IJMLC)*, Vol. 4, No. 3, pp. 204 – 209, June 2014.
- Williams, H., Carter, J., Campbell, W., and Roy, K., Dozier, G. (2014). "Genetic & Evolutionary Feature Selection for Author Identification of HTML Code Associated with Malware", *The International Journal of Machine Learning and Computing (IJMLC)*, Vol. 4, No.3, pp. 250 – 255, June 2014.

FIVE OTHER SIGNIFICANT PUBLICATIONS

- Brown, J., Anwar, M. and Dozier, G.: An Evolutionary General Regression Neural Network Classifier for Intrusion Detection. *IEEE International Conference on Computer Communication and Networks(ICCCN)*, 2016.
- Dengiz, O., Smith, A. E., and Dozier, G. (2012). "Non-Deterministic Decoding with Mapping Rearrangement Enhance Precision in Binary Encodings", *Heuristics: Theory and Applications*, Nova Science Publishers, Inc.
- Alford, A., Shelton, J., Adams, J., LeFlore, D., Payne, M., Turner, J., McLean, V., Benson, R., Dozier, G., Bryant, K., Kelly, J.C. (2012). "Genetic & Evolutionary Biometrics", *New Trends and Developments in Biometrics*.

- Alford, A., Adams, J., Shelton, J., Dozier, G., Bryant, K., Kelly, J.C. (2012). “Genetic & Evolutionary Biometrics: Exploring Value Preference Space for Hybrid Feature Weighting and Selection”, *The International Journal of Intelligent Computing and Cybernetics (IJICC)*.
- Alford, A., Bryant, K., Abegaz, T., Dozier, G., Kelly, J., Shelton, J., Small, L., Adams, J., and Woodard, D.L., (2012). “Genetic & Evolutionary Methods for Biometric Feature Reduction”, *Special Issue on: "Computational Intelligence in Biometrics: Theory, Methods and Applications"*, Guest Editor: Qinghan Xiao, *International Journal of Biometrics*.
- Dyer, J. D., Hartfield, R. J., Dozier, G. V., and Burkhalter, J. E. (2012). “Aerospace Design Optimization Using a Steady State Real-Coded Genetic Algorithm, *Applied Mathematics and Computation*, vol. 218, pp. 4710–4730, Elsevier.
- Yapicioglu, H., Liu, H., Smith, A. E. and Dozier, G. (2010). “Hybrid Approach for Pareto Front Expansion in Heuristics,” *Journal of the Operational Research Society*, vol. 62, pp. 348-359 (27 October 2010).
- Ricanek, K., Savvides, M., Woodard, D.L., Dozier, G. (2010). “Unconstrained Biometric Identification: Emerging Technologies,” *Computer*, February, pp. 56-62, IEEE Computer Society, IEEE.

SYNERGISTIC ACTIVITIES (up to five examples demonstrating broader impacts)

- Editorial Boards
 - Journal of Intelligent Computing & Cybernetics
- Founding Director, Center for Advanced Studies in Identity Sciences (CASIS)
- Founding Director, Center for Cyber Defense: A National Center of Academic Excellence in Information Assurance Education
- Proposal Review Panelist, Science Foundation Ireland, April 2004
- Technical co-Chair, 2011 IEEE Congress on Evolutionary Computation.

COLLABORATORS AND OTHER AFFILIATIONS

(i) Collaborators (last 48 months, excluding students and postdocs):

- Dr. Alice Smith, Auburn University
- Dr. Karl Ricanek, University of North Carolina at Wilmington
- Dr. Damon Woodard, University of Florida
- Dr. Ian Dworkin, Michigan State University
- Dr. Erik Goodman, Michigan State University
- Dr. James Foster, University of Idaho
- Dr. Risto Miikkulainen, University of Texas

(ii) Graduate and Postdoctoral Advisors:

- Dr. James A. Bowen
- Dr. Dennis R. Bahler

(iii) Thesis Advisor and Postgraduate-Scholar Sponsor to: Ph.D. thesis advisees:

- Joseph Shelton, PhD, Fall 2015
- Aniesha Alford, PhD, Spring 2012 (ECE)
- Anthony Carlisle, PhD, Fall 2002
- Ser-Geon Fu, PhD, Spring 2007
- Aaron Garrett, PhD, Spring 2008
- Haiyu Hou, PhD, Fall 2006