FACULTY CURRICULUM VITAE

GERARD RAMBALLY
Professor of Computer Science
University of North Texas at Dallas

Work Phone Number: 972-780-3093   UNT Dallas
Office Number and Building: B2-229   7400 University Hills Blvd.
Work E-Mail Address: gerard.rambally@untdallas.edu   Dallas, TX 75241

EDUCATION:

Ph.D.
University of Oregon, Eugene, Oregon, USA.

M.Math.
University of Waterloo, Waterloo, Ontario, Canada.

B.Ed.
University of Saskatchewan, Saskatoon, Saskatchewan, Canada.

B.Sc.
University of Saskatchewan, Saskatoon, Saskatchewan, Canada

PROFESSIONAL EXPERIENCE:

Aug'09 – present   *Professor of Computer Science*
                          University of North Texas at Dallas, Dallas, TX

Aug'09 – Sept'12   *Founding Dean of Liberal Arts & Sciences*
                          University of North Texas at Dallas, Dallas, TX

SELECTED PUBLICATIONS:

Refereed Articles:

Rambally, G. (March, 2017). Applications of Computational Matrix Algebra. *Proceedings of the 2017 International Conference on Information Technology and Teacher Education*, Austin, TX.

Rambally, G. (2017). Integrating Computational Thinking in Discrete Structures. In *Emerging Research, Practice and Policy on Computational Thinking* (P. Rich & C. Hodges Eds.). Springer International Publishing AG, New York, NY.

Rambally, G. (March, 2016). Computational Thinking via Toy Problems. *Proceedings of the 2016 International Conference on Information Technology and Teacher Education*, Savannah, GA. 105-112.

Rambally, G. (March, 2015). A Mathematical Computing Approach to Computational Thinking. *Proceedings of the 2015 International Conference on Information Technology and Teacher Education*, Las Vegas, NV. 114-122.

Rambally, G. (2014). The Synergism of Mathematical Thinking and Computational Thinking. In *Cases on Technology Integration in Mathematics Education* (D. Polly, Ed.). IGI Global, Hershey, PA. 422-443.

Rambally, G. (March, 2014). Integrating Computational Thinking in the Mathematics Curriculum. *Proceedings of the 2014 International Conference on Information Technology and Teacher Education*, Jacksonville, FL. 120-127.

Rambally, G., & Rambally, R. (February, 2010). Implementing Genetic Algorithms in the CS Curriculum. *Proceedings of the 2010 National Conference on Advances in Video, Cyber Learning and Electronics*, Indiana. 311- 317.

Rambally, G., & Rambally, R. (October, 2009). Application of a Genetic Algorithm in Cellular Network Design. *Proceedings of the 2009 International Conference on Wireless Networks and Embedded Systems*, Canada. 1- 14.

Rambally, G. (April, 2008). A Hybrid Visualization Hidden Markov Model Approach to Identifying CG-Islands in DNA Sequences.   *Proceedings of the IEEE 2008 Southeast Conference*, Huntsville, AL. 1-6.

Rambally, G. (March, 2007). A Visualization Approach to Motif Discovery in DNA Sequences. *Proceedings of the IEEE 2007 Southeast Conference,* Richmond, VA. 348-353.

Rambally, G. (March, 2007). Integrating Bioinformatics and Algorithm Design. *Proceedings of the IEEE 2007 Southeast Conference,* Richmond, VA. 283-288.

Rambally, G. (March, 2006). Implementing Pairwise Alignment Algorithms in Bioinformatics with Computer Algebra. *Proceedings of the IEEE 2006 Southeast Conference,* Memphis, TN. 319-324.

Rambally, G. (June, 2004). A Theory for Adaptive Personalization in Web-Based Courses", *Proceedings of The 2004 International Conference on Software Engineering Research and Practice,* Las Vegas, Nevada. 42-48.

Book:
Rambally, R. and Rambally, G., *PASCAL: A Gentle Approach*, W. C. Brown Publishing Co., Jan.1989.