**Biographical Sketch for Walter Scheirer**

**PROFESSIONAL PREPARATION**

Lehigh University Computer Science & Int. Relations B.A., 2004

Lehigh University Computer Science M.S., 2006

University of Colorado, Colorado Springs Engineering Ph.D., 2009

**APPOINTMENTS**

2012-present Postdoctoral Fellow

Harvard University, Department of Cell and Molecular Biology

2009-present Assistant Professor Adjoint

University of Colorado, Colorado Springs, Department of Computer Science

2007-2012 Director of Research and Development

Securics, Inc.

2006-2008 Research Assistant

University of Colorado, Colorado Springs, Vision and Security Technology Lab

2004-2006 Research Assistant

Lehigh University, Wireless Internet and Network Security Lab

2002-2004 Research Assistant

Lehigh University, Vision and Software Technology Lab

**FIVE MOST RELATED PUBLICATIONS**

W. Scheirer, A. Rocha, J. Parris and T. Boult, “Learning for Meta-Recognition,” to appear in IEEE Transactions on Information and Security (T-IFS), August 2012.

W. Scheirer, N. Kumar, P. Belhumeur, and T. Boult, “Multi-Attribute Spaces: Calibration for Attribute Fusion and Similarity Search,” in Proc. of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR), June 2012.

W. Scheirer, A. Rocha, R. Micheals and T. Boult, “Meta-Recognition: The Theory and Practice of Recognition Score Analysis,” In IEEE Transactions on Pattern Analysis and Machine Intelligence (T-PAMI), Vol 3, No. 8, 2011, pp. 1689-1695.

W. Scheirer, A. Rocha, R. Micheals and T. Boult, “Robust Fusion: Extreme Value Theory for Recognition Score Normalization,” In Proc. of the 11th European Conference on Computer Vision (ECCV 2010), September 2010, Crete, Greece.

W. Scheirer and T. Boult, “A Fusion Based Approach to Enhancing Multi-Modal Biometric Recognition System Failure Prediction and Overall Performance,” In Proc. of the Second IEEE Inter- national Conference on Biometrics: Theory, Applications, and Systems (BTAS), September 2008, Washington, D.C.

**FIVE OTHER SIGNIFICANT PUBLICATIONS**

Rocha, W. Scheirer, T. Boult and S. Goldenstein, “Vision of the Unseen: Current Trends and Challenges in Digital Image and Video Forensics,” In ACM Computing Surveys, vol. 43, no. 4, October 2011.

C. Forstall, S. Jacobson, and W. Scheirer, “Evidence of Intertextuality: Investigating Paul the Deacon’s Angustae Vitae,” In Literary and Linguistic Computing, vol. 26, no. 3, pp. 285-296, September 2011.

W. Scheirer and T. Boult, “Bipartite Biotokens: Definition, Implementation, and Analysis,” In Proc. of the 3rd IAPR/IEEE International Conference on Biometrics (ICB), June 2009, Alghero, Italy.

W. Scheirer and T. Boult, “Revocable Fingerprint Biotokens: Accuracy and Security Analysis,” in Proc. of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR), June 2007.

W. Scheirer and T. Boult, “Cracking Fuzzy Vaults and Biometric Encryption,” In Proc. of the 2007 Biometrics Symposium, held in conjunction with the Biometrics Consortium Conference (BCC), September 2007, Baltimore, MD.

**SYNERGISTIC ACTIVITIES**

Reviewer IEEE Transactions on Pattern Analysis and Machine Intelligence (T-PAMI)

IEEE Transactions on Information Forensics & Security (T-IFS)

IEEE Transactions on Image Processing (T-IP)

Image and Vision Computing

Computer Vision and Image Understanding

Reviewer/PC IEEE Conference on Computer Vision and Pattern Recognition (CVPR) 2011, 2012

European Conference on Computer Vision (ECCV) 2012

Program Chair IEEE Workshop on the Applications of Computer Vision (WACV) 2013

Finance Chair IEEE Conference on Computer Vision and Pattern Recognition (CVPR) 2012, 2013

IEEE Conference on Automatic Face and Gesture Recognition, 2011, 2013

General Chair IEEE Workshop on the Applications of Computer Vision (WACV) 2012

Instructor Tutorial on Face Recognition: Long-Range and Surveillance

for the 9th IEEE Conference on Automatic Face and Gesture Recognition, 2011

**COLLABORATORS AND OTHER AFFILIATIONS**

*Collaborators*

Anderson Rocha, University of Campinas, Institute of Computing, Brasil

Siome Goldenstein, University of Campinas, Institute of Computing, Brasil

Ross Micheals, National Institute of Standards and Technology

Christopher Forstall, State University of New York at Buffalo

Peter Belhumeur, Columbia University

Neeraj Kumar, University of Washington

Karl Ricanek, University of North Carolina at Wilmington

*Graduate Advisors*:

Terrance Boult, University of Colorado, Colorado Springs, Department of Computer Science

Mooi Choo Chuah, Lehigh University, Department of Computer Science and Engineering

*Advisees*: I currently help advise three Ph.D. students at UCCS