

# *Biometric Consortium 2005 Conference*

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**Topic:** User Credential Hardening through Keystroke Dynamics

**Biography:** Nick Bartlow is currently a graduate research assistant pursuing his PhD in Computer Science through the Lane Department of Computer Science and Electrical Engineering at West Virginia University. Working under for Dr. Bojan Cukic in the High Assurance Systems Research Center, his research interests include biometrics, computer security, cryptography, high assurance systems, and data forensics. Besides his work in keystroke dynamics, Nick has conducted research on the vulnerabilities of biometric systems, performance modeling for the International Civil Aviation Organization (ICAO) Machine Readable Travel Document (MRTD) standards, and biometric watermarking of iris images.

As part of a partnership between West Virginia University and Lockheed Martin, Nick spent the past summer contributing to the research team of the DOD Automated Biometric Identification System (ABIS). This work included analyzing the effect of fingerprint image quality on matching performance in the large scale ABIS system as well work toward implementing a biometric fusion scheme including fingerprints, face, and iris images.

Nick graduated Magna Cum Laude, University Honors Scholar with a Bachelor of Science in Computer Science and minors in Math, Economics, and Philosophy from West Virginia University in May of '03. Continuing his work at the University, he received a Master of Science in Computer Science with emphasis in Biometrics and Information Assurance in May of '05.