

CITeR Portfolio Projects

Credibility Assessment

	Funding (K\$)	Spring 2001	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009
Autonomous Interrogation through Synchronous Computer-Mediated	40															12 mo			
Hybrid Expert System for Credibility Assessment	40															12 mo			
Kinesic Credibility Assessment of Criminal Interviews	40															18 mo			
Culturally Specific Cred. Classification Using Layered Voice	40															12 mo			
Enhancing Fraud Detection through Linguistic Analysis	40															12 mo			
Rapid Assessment Using Kiosk-based Interviews	40															12 mo			
Handedness in Detecting Deception in Cultural Interviews	40																12 mo		
Eval. and Integrating Speech Recog into Agent99 for Real-Time I	40																12 mo		
Looks Like Me: Further Tests of the Avatar-based Kiosk	40																12 mo		
Dev.&Appl. C-BAS Observ. Coding to Deceptive Interviews	20																	12 mo	
Economical Unobtrusive Measures of Postural Correlates	30																	6 mo	
Effects of Power and Modality on the Detection of	20																	12 mo	
Linguistic Dynamics in Criminal Interviews	20																	12 mo	
Using Mach. Learn. to Detect Facial Expr. Cues in Video	20																	12 mo	
Linguistic Deception Detection in 911 Homicide Calls	30																	12 mo	

Vulnerabilities

Liveness Detection for Biometrics Devices	105		18 mo																
Solidifying CITeR's Liveness Core Comp.	72				18 mo														
Crypto Protection for Sharable Biometrics	29									12 mo									
Encryp. of Biom. Templ. using Biometrics as Key	81									18 mo									
Securing Multibiometric Templates Using Fuzzy Vault	50												12 mo						
Establishing Chain of Evidence in Biometric Systems	54																12 mo		
LivDet2009-Fingerprint Liveness Detection Competition 2009	28																	12 mo	

Multimodal Systems

Multimodal Biometric System	82		15 mo																
Multimodal Biometric System, Phase II	75			15 mo															
Multibiometric Score Normalization	80				12 mo														
Statistical Basis for Multimodal Systems	50					12 mo													
Multibiom. Fusion at the Feature Extraction Level	60						18 mo												
Independence of Biometric Modalities	80							15 mo.											
MUBI Tool	32								12 mo										
Dyn. Hierarchical Fusion Arch. For Biom. Sys.	72									18 mo									
Indexing Large-Scale Multimodal Biometric Databases	50												12 mo						
Psychophysiological Biometrics	60													12 mo					
Sequential Biometric Fusion Involving Incomplete or Missing	50														12 mo				
Improving Quality Enhanced Biometric Fusion Schemes	57															12 mo			
BioFuse: Matlab Platf. for Design & Test of Fusion Algo.	60																	12 mo	

Biometric Modalities

Acq. and Understanding of Nonideal Iris Imagery	122					18 mo													
Nonideal Iris: Segmentation & Algorithms	83									18 mo									
Multispectral and Multiframe Iris Phase I	64									12 mo									
Multispectral and Multiframe Iris Phase II	65																	12 mo	
Enhancing Iris Sys. using Conjunctival Vascular Patterns (late st	50																	12 mo	
Scaling Analysis of Iris Codes Using Large Dev.	50																	12 mo	
Synthetic Iris Generation	55																	12 mo	
Soft Biometrics for User Recognition	60																	12 mo	
Fingerprint Interoperability, Perform. and Fusion	105																	18 mo	
Robust 3-D Face	75																	15 mo	
Multispectral Fusion for Improved Face Recognition	50																	12 mo	
Robust Surveillance System Utilizing 2D Video and 3D Face Mo	30																	12 mo	
Fingerprint Matching Using Level 3 Features	52																	12 mo	
Video-based Metrology for Automated Identity	68																	12 mo	
Quality Based Restitution of Iris Features in High Zoom	90																	18 mo	
Recovering the Frontal Image from Surveillance Video	58																	12 mo	
Suspect Ident.	50																	12 mo	
Automatic High Resolution Palmprint Matching System	40																	12 mo	
Iris Recognition Beyond 1000 nm Wavelength	100																	12 mo	
Match./Retriev. Face Images Based on Facial Marks	54																	12 mo	
Participation in Multi Biometrics Grand Challenge - Phase 0	30																	6 mo	
Participation in Multi Biometrics Grand Challenge - Phase 1	84																	12 mo	
Unconstrained Face Recognition Under Non-Ideal Conditions	54																	12 mo	
On the Super-resolution of Iris Images from Video Streams	54																	12 mo	
Collab. acq. of face images using a camera sensor network	50																	12 mo	
Detecting and Extracting Macro-Features in Iris Images	60																	12 mo	
Match./Retriev. Face Based on Facial Marks Phase 2	50																	12 mo	
Models for Age Invariant Face Recognition	60																	12 mo	

Biometric Image Coding and Quality

