

PROGRAM REVIEW FALL 2025

Please Note: All meeting times are local time

November 6-7, 2025, Laurel, Maryland

Tour of the National Cryptologic Museum - tentative*

8290 Colony Seven Rd, Annapolis Junction, MD 20701

Wednesday, November 5, 2025 (1:45 pm - 4:00 pm)

* Tour will not take place if a government shutdown is in effect

CITeR Welcome - La Palapa Too

7500 Montpelier Road, Laurel, MD 20723

Wednesday, November 5, 2025 (5:30 pm - 7:30 pm)

CITeR Program Review -

Thursday, November 6, 2025

09:00 - 09:30	keynote Speaker, TBD
09:30 - 10:00	STATE OF CITeR - DR. STEPHANIE SCHUCKERS NSF SURVEYS
10:00 - 10:30	BREAK
11:00 - 12:10	NEW PROPOSAL PRESENTATIONS & DISCUSSION)
11:40 - 13:30	LUNCH & PROGRESS REPORT POSTER SESSION
13:30 - 14:00	MEMBER SPOTLIGHT (15 MIN EACH) Jian Wang, Thales, Cyber & Digital Director, Biometrics Research & Technology Evaldas Borcovas, Neurotechnology Head of Biometric Technologies Research
14:00 - 15:50	NEW PROPOSAL PRESENTATIONS & BREAK
15:50 - 16:30	FINAL REPORTS
16:30 - 18:00	STRATEGIC PLANNING BRAINSTORM
18:30 - 20:30	Evening Networking Session - under development

Friday, November 7, 2025

09:00 - 10:20	FINAL REPORT PRESENTATIONS
10:20 - 10:50	BREAK
10:50 - 11:50	FINAL REPORT PRESENTATIONS (CONTINUED)
11:50 - 12:10	TECHNOLOGY TRANSFER & CITeR GITHUB REPOSITORY
12:10	NSF SURVEYS, LUNCH
TBD	Industry Advisory Board (IAB) Meeting - to be held online at a later date to be determined

10:30

fingerprint

NEW PROJECT PROPOSAL PRESENTATIONS - 10 MIN (7 MIN ORAL; 3 MIN Q&A)

Unified Framework for Generation, Detection,& Separation of Overlapped Friction Ridge Patterns

25F-01M- SP, K. Nandakumar (MSU), A. Ross (MSU), A. Jain (MSU), N. Hussien (MSU)

Towards 3D Contactless Fingerprint and Face Matching

25F-02UNC-C, Miller-Lynch (UNC-C), Purnapatra (CU), Hossain (CU), Schuckers (CU/UNC-C)

Robustness Evaluation of Light Emitting Sensor (LES) Fingerprint Technology

25F- 05W-SP, Jeremy Dawson (WVU)

A Comprehensive Dataset for Evaluating AI-generated Image Detection

25F-01B, Siwei Lyu (UB), Sriranga Seltur (UB), Zhaofeng Si (UB), Yu Cai (UB)

Curating and Evaluating AI-Generated Video Content

25F-01W, Prashnna Gyawali (WVU), Jeremy Dawson (WVU)

From Textual Explanation to Scores: Likelihood Ratio using LLMs for Face Recognition

25F-05M, Arun Ross (MSU), Anil Jain (MSU), Redwan Sony (MSU)

Towards Face Foundation Models with Internet Videos

25F-03UNCC, Srijan Das, Stephanie Schuckers, Weston Bondurant, Jahangir Khondkar (UNC-C)

11:40

AI Image & Video

2-Minute Reviews; PROGRESS REPORTS - LUNCH & POSTER SESSION

Study on the Potential for Fingerprint Modality Using Wide-Area Sensors for Next-Gen Digital Identity Management on Consumer Devices, 25S-07B

Sergey Tulyakov (UB), Srirangaraj Setlur (UB), Stephanie Schuckers (UNC-C)

Longitudinal Progression of Biometric Recognition in Fingerprint, Face, Iris, & Voice, 25S-04C

Stephanie Schuckers (CU), Masudul Imtiaz (CU), Mst Rumana Sumi (CU)

LLM-Based Zero-Shot Explainable Face Recog, thru Synthetic Attribute Manipulations, 25S-05B

Venugopal Shah (UB), Srirangaraj Setlur (UB), Venu Govindaraju (UB)

Feasibility analysis on iris-biometrics authentication from selfie camera, 25S-05C-G

Naveen Venkataswamy (CU), Masudul Imtiaz (CU), Stephanie Schuckers (CU/UNC)

Multi-Layered Framework; Robust Deepfake Audio Detection & Tamper Analysis, 25S-01CW- J

Masudul Imtiaz (CU), Ajan Ahmed (CU), Nathan Karimian (WVU), Sara Tehranipoor (WVU)

FakePincer: A Multi-pronged Defense against Real-Time Deepfakes in Video Conf., 25S-01M

Karthik Nandakumar (MSU), Arun Ross (MSU)

Latent Fingerprint Database w/ Multiple Substrates & Development Techniques, 25S-02W

Jeremy Dawson (WVU), Casper Venter (WVU), Keith Morris (WVU)

Biometric Aging in Children: Phase V

24S-03C (2yr project), Rumana Sumi, Stephanie Schuckers, Masudul Imtiaz, Laura Holsopple (CU)

Remote Collection of Multimodal Twins Biometric Data

25S-05W, Jeremy Dawson (WVU), Stephanie Schuckers (UNCC)

AI Synthetic Video Detection Using Multi-Model Manipulation, 24F-02B

Siwei Lyu (UB), Shan Jia (UB), Srirangaraj Seltur(UB)

Surveying the Landscape of Generative AI and Detection of Deepfakes, 24F-06B-SP

Siwei Lyu (UB), Srirangaraj (Ranga) Setlur (UB), Chengzhe Sun (UB), Defang Chen (UB)

Unmasking Mobile Biometrics

23S-09C-SP (delayed final) , Daqing Hou, Stephanie Schuckers, Mst Rumana Sumi - (CU)

13:30

MEMBER SPOTLIGHT

Jian Wang, Thales, Cyber & Digital

Director, Biometrics Research & Technology

Evaldas Borcovas, Neurotechnology

Head of Biometric Technologies Research

14:00

NEW PROJECT PROPOSAL PRESENTATIONS - CONTINUED

Explainable Face Recognition: Natural-Language Explanations for Face Matcher Decisions

25F-02C; Yash Sukhdeve (CU), Faraz Hussain (CU), and Masudul Imtiaz (CU)

Foundation Models for Face Recognition (FMFace)

25F-01i, Sebastien Marcel (Idiap), Hatef Otroschi (Idiap)

Open-Source Facial Image Quality Toolbox Based on ISO/IEC 29794-5

25F-04W, Prashnna Gyawali (WVU), Masudul Imtiaz (CU)

Possible Additional Special Projects - tbd

14:50

BREAK

Audio-Visual Multi-Speaker Speech Recognition and Transcription in Noisy Environments

25F-02M, Arun Ross (MSU), Morgan Sandler (MSU/RAND)

Benchmarking Stylometry for User Identity from Text

25F-01C, Mahesh Banavar (CU), TBD

Enhancing Accuracy and Robustness of OCR in Real-World Conditions through Domain Awareness

25F-02B, Srirangaraj Setlur (UB), Venu Govindaraju (UB), Venugopal Shah (UB)

15:50

FINAL REPORTS

A Comprehensive Dataset for Deepfake Audio Detection

24S-01B (delayed final), Siwei Lyu, Srirangaraj Setlur, Chengzhe Sun, Shan Jia - (UB)

Investigating Private-Information Leakage from Face Templates (Gateway)

24F-02M-G, Vishnu Boddeti (MSU), Amina Bassit (MSU), Arun Ross (MSU)

16:30

Strategic Planning Brainstorming Session

18:30

Evening Networking Session - under development

09:00

FINAL REPORTS - 15 MINUTE PRESENTATIONS, 5 MINUTES Q&A

Additional time built in to facilitate Technology Transition discussion

Auto Det. of Contactless Fingerprint Images in Contact Fingerprint Databases

24F-02W, Christopher Burton (WVU), Jeremy Dawson (WVU)

Dev. of Extended-Length Audio Dataset for Adv. Deepfake Synthesis & Detection

24F-02C, Rahul Vijaykumar(CU), Ajan Ahmed(CU), Masudul Imtiaz (CU)

Vision Language Models for Forensic Biometrics (VLM4FORBIO)

24F-01i, Laurent Colbois (Idiap), Sebastien Marcel (Idiap)

Developing Scene Text OCR for Vehicle Tire Identification and Analysis to Enhance Automobile Fingerprint, 24F-04B)

24F-04B, Venugopal Shah (UB), Srirangaraj Setlur (UB), Venu Govindaraju (UB)

10:20

break

10:50

FINAL REPORTS - CONTINUED

Study of Identity Preservation in Deepfake Face Swapping Tools & 3D Mask Creation

24F-07C-G, Stephanie Schuckers (CU/UNC-C), Srijan Das (UNC-C), Weston Bondurant (UNC-C), Jahangir Khondkar (CU)

Framework for Independent Evaluation of Behavioral Biometrics

24S-09C-G (delayed final) , Daqing Hou (CU), Sichao Li (CU), Stephanie Schuckers (CU)

Mitigating the Impact of Dilation on Iris Recognition

24F-04W, Hannah Anderson (WVU), Jeremy Dawson (WVU)

11:50

TECHNOLOGY TRANSFER & CITER GITHUB REPOSITORY

12:10

NSF SURVEYS

12:20

LUNCH

14:30

Adjourn

Industry Advisory Board (IAB) meeting

To be held online at a later date TBD