

# PROGRAM REVIEW SPRING 2024

May 14th -16th, Morgantown, WV

May 14, 2024

## Workshop - Details to be added

Details to be added

3:00-4:30pm – tbd

4:45-6:00pm – tbd

6:30-7:30pm – tbd

May 15th and 16th, 2024

## CITeR Program Review

West Virginia University - Erickson Alumni Center

Day 1, Wednesday, May 15th, 2024

09:00 - 09:10 Welcome - tbd  
West Virginia University

09:10 - 09:50 KEYNOTE - TBD

**DTBD**

09:50 - 10:10 STATE OF CITeR - DR. STEPHANIE SCHUCKERS

10:10 - 12:10 NEW PROJECT PROPOSAL PRESENTATIONS & DISCUSSION  
10 MIN EACH PLUS BREAKS

12:10 - 13:40 LUNCH  
location tbd

13:40 - 15:30 NEW PROJECT PROPOSALS (CON'T) & BREAK

15:30 - 16:50 FINAL REPORTS

17:00 - 18:00 HOLD

18:30 - 20:30 PROGRESS REPORT POSTER SESSION  
location tbd

Day 2, Thursday, May 16th, 2024

09:00 - 12:50 FINAL REPORT PRESENTATIONS & DISCUSSION

12:50 - 13:30 LUNCH - outside of meeting room

13:30 - 16:30 AFFILIATE ADVISORY BOARD

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NEW PROJECT PROPOSAL PRESENTATIONS - 10 MIN EACH (7 MIN ORAL; 3 MIN Q&A)  
w/ 10 min discussion after each grouping

10:10  
tbd

TO BE DETERMINED  
23S-03x, xxx

TBD  
23S-04x, xxx

*Discussion...followed by a break @ 10:40 - 11:10*

11:10  
tbd

TO BE DETERMINED  
24S-05x, xxx

TO BE DETERMINED  
24S-01x, xxx

TO BE DETERMINED  
24S-06x, xxx

TO BE DETERMINED  
24S-02x, xxx

TO BE DETERMINED  
24S-07x, xxx

**Lunch @ tbd - 12:10 - 13:40**  
**Event tbd**

draft

13:40  
tbd

TO BE DETERMINED  
24S-05x, xxx

TO BE DETERMINED  
24S-01x, xxx

TO BE DETERMINED  
24S-02x, xxx

14:10  
tbd

TO BE DETERMINED  
24S-07x, xxx

TO BE DETERMINED  
24S-05x, xxx

TO BE DETERMINED  
24S-01x, xxx

*Discussion...followed by a break @ 15:00 - 15:30*

## PROGRESS REPORTS POSTER SESSION

1844 HOUSE RESTAURANT  
6885 US-11, POTSDAM, NY 13676

**AN APPROACH TO DEVELOP A LARGE NON-CONTACT & CONTACT-BASED FINGERPRINT DATASET WITH GAN**  
23S-01CW, S. Purnapatra (CU), S. Konain Abbas (CU), F. Hussain (CU), S. Dey (CU), S. Schuckers (CU), J. Dawson (WVU)

**Expanding Audio-Based Vehicle Understanding Using Multimodal and Multi-Location Signals**  
23F-01B, Srirangaraj Setlur (UB), Venu Govindaraju (UB)

**IMPROVING PERFORMANCE OF FACIAL RECOGNITION VIA MULTI-MODEL ALGORITHMIC ENSEMBLE**  
23F-02W, Prashnna Gyawali (WVU), Nima Karimian (WVU)

**EVALUATING AND PROGRESSING THE STATE-OF-THE-ART IN DEEP FAKE AUDIO GENERATION AND DETECTION**  
23F-03C, Sandip Purnapatra (CU), Masudul Imtiaz (CU), Stephanie Schuckers (CU)

**EXPLAINABLE IMAGE QUALITY WITH TRANSFORMER-BASED MODELS**  
23F-05C, Chen Liu (CU), Zander Blasingame (CU)

**SYNTHETIC LATENT FINGERPRINTS GENERATION USING STYLE TRANSFER NETWORK**  
23F-03W, Nasser Nasrabadi (WVU), Jeremy Dawson (WVU), Amol Joshi (WVU)

**TOWARDS THE CREATION OF A LARGE DATASET OF HIGH-QUALITY FACE MORPHS - PHASE III**  
23f-01J (SP), Nasrabadi (WVU), Dawson (WVU), Li (WVU); Liu (CU), Schuckers (CU), Doermann (UB), Setlur (UB), Lyu (UB)

**IMPACT OF GROWTH ON FACE RECOGNITION IN JUVENILES**  
23F-07C-G (Gateway), Stephanie Schuckers (CU), Arun Ross (MSU)

18:30

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09:00

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

**AN APPROACH TO DEVELOP A LARGE NON-CONTACT & CONTACT-BASED FINGERPRINT DATASET WITH GAN**  
23S-01CW, [S. Purnapatra \(CU\)](#), S. Konain Abbas (CU), F. Hussain (CU), S. Dey (CU), S. Schuckers (CU), J. Dawson (WVU)

**MODIFIED EKF-RESNET ARCHITECTURE FOR AUTOMATIC SPEAKER RECOGNITION FROM NOISY ENVIRONMENT**  
23S-07C, [Sandip Purnapatra \(CU\)](#), Masudul Imtiaz (CU)

**PERFORMANCE BENCHMARK: EAR-ONLY VS. EAR+FACE FUSION BIOMETRICS - ADULT AND CHILDREN**  
23S-08CB, [Afzal Hossain \(CU\)](#), Masudul Imtiaz (CU), Nalini Ratha (UB)

**PERFORMANCE EVALUATION OF CROSS-SPECTRAL IRIS MATCHING: VISIBLE VS NIR**  
23S-05W, Jeremy Dawson (WVU), [Hannah Anderson \(WVU\)](#)

*Break at.....10:20am - 10:50*

**UTILIZATION OF RAW PHOTOACOUSTIC SIGNAL FOR BIOMETRIC IDENTIFICATION AFTER STRESS ACTIVITY**  
23S-06B, Jun Xia (UB), Srirangaraj Setlur (UB)

**EFFECT OF SPECIFIC DATA VARIATIONS ON FORENSIC SPEAKER RECOGNITION RESULTS (DELAYED FINAL)**  
22F-05W, Jeremy Dawson (WVU), Nasser Nasrabadi (WVU)

**BIOMETRIC AGING IN CHILDREN: PHASE IV**  
22S-02C, Stephanie Schuckers (CU), Masudul Imtiaz (CU), Laura Holsopple (CU)

**UNMASKING MOBILE BIOMETRICS (SPECIAL PROJECT)**  
23S-09C-SP, Stephanie Schuckers (CU), Daqing Hou (CU)

**DETECTING REAL-TIME DEEPFAKES WITH ACTIVE FORENSICS AND BIOMETRICS (DELAYED FINAL)**  
22F-01B, Siwei Lyu (UB), Srirangaraj Seltur (UB)

**DEEPFAKE ATTACKS ON BIOMETRIC RECOGNITION: EVALUATION OF RESISTANCE TO PRESENTATION AND INJECTION ATTACKS (GATEWAY)**  
23S-02C-G, Masudul Imtiaz (CU), Daqing Hou (CU), Stephanie Schuckers (CU)

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12:30

CLOSING & LUNCH

13:00

AFFILATE ADVISORY BOARD  
Ending approximately - 1700 hours