CITeR

NSF

PROGRAM REVIEW
FALL 2024 - PHASE II
Tuesday, October 29, Niagara Falls, NY

CITeR Program Review - Niagara Falls Convention Center

Please Note: All meeting times are local time

Day 1, Tuesday, October 29th, 2024

Time	Session
09:00 - 09:10	**Welcome from TBD** **XXX**
09:10 - 09:40	STATE OF CITER - DR. STEPHANIE SCHUCKERS
09:40 - 10:30	**Patrick Grother** **Scientist, National Institute of Standards and Technology** BIOMETRIC RECOGNITION, A SOLVED PROBLEM, AND WHAT WOULD THAT MEAN?
10:30 - 11:00	BREAK
11:00 - 13:00	PHASE II FINAL REPORT PRESENTATIONS & DISCUSSION
13:00 - 14:00	LUNCH & NETWORKING
14:00 - 15:00	STEM EVENT
14:30 - 16:50	PHASE II FINAL REPORT PRESENTATIONS & DISCUSSION
16:50 - 17:20	BREAK
17:20 - 17:40	PRESENTATION OF NEW PROJECTS (PHASEII) VOTED OFF-LINE
17:40 - 18:00	WRAP & TRANSITION TO POSTER SESSION
18:00 - 19:30	PHASE II PROGRESS REPORT POSTER SESSION

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11:00

PHASE II FINAL REPORTS - 15 MINUTE PRESENTATIONS, 5 MINUTES Q&A
Additional time built in to facilitate Technology Transition discussion

EXPANDING AUDIO-BASED VEHICLE UNDERSTANDING USING MULTIMODAL AND MULTI-LOCATION SIGNALS
23F-01B, Srirangaraj Setlur (UB), Venu Govindaraju (UB), Dennis Fedorishin (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)

Discussion...followed by LUNCH @ 13:00- 14:00

14:00

STEM EVENT (TBD)

14:30

TOWARDS THE CREATION OF A LARGE DATASET OF HIGH-QUALITY FACE MORPHS - PHASE III (SPECIAL PRJ)
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)

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

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)

ON THE ROBUSTNESS OF FACE PAD TO GENERATIVE AI-BASED PAI
23F-01i, Sebastien Marcel (Idiap), Sushil Bhattacharjee (Idiap)

PRIVACY-PRESERVING BIOMETRIC MATCHING OVER HOMOMORPHICALLY ENCRYPTED FEATURES
23S-01MB, Vishnu Boddeti, (MSU), Arun Ross (MSU), Nalini Ratha (UB)

Discussion...followed by BREAK @ 16:50 - 17:20

17:20

PRESENTATION OF NEW PROPOSALS (PHASEII) VOTED OFF-LINE

17:40

WRAP & TRANSITION TO POSTER SESSION

18:00

PHASE II PROGRESS REPORT POSTER SESSION

PHASE II PROGRESS REPORTS POSTER SESSION
LOCATION TBD

18:10

BIOMETRIC AGING IN CHILDREN: PHASE V
24S-03C, Stephanie Schuckers (CU), Masudul Imtiaz (CU), Laura Holsopple (CU)

EVALUATION OF EQUITY IN REMOTE IDENTITY PROOFING SOLUTIONS - PHASE II
24S-05C, Stephanie Schuckers (CU), Daqing Hou (CU), Michael Schuckers (SLU), Kaniz Fatima (CU)

A COMPREHENSIVE DATASET FOR DEEPFAKE AUDIO DETECTION
24S-01B, Siwei Lyu (UB), Srirangaraj (Ranga) Setlur (UB), Chengzhe Sun (UB), Shan Jia (UB)

A FACIAL IMAGE QUALITY TOOLBOX BASED ON ISO/IEC 29794-5 SPECIFICATION
24S-01W, Nasser Nasrabadi (WVU), Nima Najafzadeh (WVU)

DEEP-LEARNING-BASED GENERATION OF SYNTHETIC CONTACTLESS FINGERPHOTOS
24S-04W, Jeremy Dawson (WVU)

INVESTIGATING MOLECULAR FINGERPRINTS OF HUMAN TISSUE USING MULTI-SPECTRAL PHOTOACOUSTIC IMAGING
24S-04B, Jun Xia (UB) and Srirangaraj Setlur (UB), Chuqin Huang (UB)

OPEN-IRIS: ADVANCING OPEN SOURCE IRIS RECOGNITION TOWARD THE STATE-OF-THE-ART
24S-04M-G, Arun Ross (MSU)

SCENARIO EVALUATION OF NOVEL POLARIMETRIC FACE PRESENTATION ATTACK DETECTION SYSTEM
24S-10C-G, Stephanie Schuckers (CU), Lambert Igene (CU)

FRAMEWORK FOR INDEPENDENT EVALUATION OF BEHAVIORAL BIOMETRICS
24S-09C-G, Daqing Hou (CU), Edward Kane (CU), Stephanie Schuckers (CU)

ADVANCING FACE RECOGNITION USING DNNS & TRANSFORMERS
24S-05MC-G, Arun Ross (MSU), Stephanie Schuckers (CU)

DEVELOPMENT OF PATTERNED AND CLEAR CONTACT LENS DETECTION IN IRIS RECOGNITION
24S-11C-G, Stephanie Schuckers (CU), Arun Ross (MSU)

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**PROGRAM REVIEW
FALL 2024 - PHASE III**
October 30th, Niagara Falls, NY

CITeR Program Review - Niagara Falls Convention Center

Please Note: All meeting times are local time

Day 2, Wednesday, October 30th, 2024

09:00 - 09:10	**Welcome**
09:10 - 09:30	**Phase III Goals, Vision & Center Capabilities**
09:30 - 10:00	NSF Presentation
10:00 - 10:40	PHASE III NEW PROJECT PROPOSAL PRESENTATIONS
10:40 - 11:10	BREAK
11:10 - 11:40	MEMBER SPOTLIGHT
11:40 - 13:00	PHASE III NEW PROJECT PROPOSAL PRESENTATIONS (CON'T)
13:00 - 13:30	LUNCH AND NETWORKING
13:30 - 16:30	INDUSTRY ADVISORY BOARD

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

10:00

tbd

add 3 projects here

Discussion...followed by a break @ 10:40

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11:10 **MEMBER SPOTLIGHT**

11:40 *add 5 projects here*

tbd

12:40 *add 3 projects here*

tbd

Program Review Ends
Lunch @ 13:00 - 13:30

13:30 ***Industry Advisory Board (IAB) meeting***