

 Homeland Security Science and Technology	INTERNATIONAL FACE PERFORMANCE CONFERENCE Supporting Performance of Face Recognition	 NPL National Physical Laboratory
 NIST National Institute of Standards and Technology U.S. Department of Commerce	November 27-29, 2018 FINAL PROGRAM	 European Association for Biometrics eab Human Identity in Europe

NIST, NPL and the EAB are happy to announce the agenda for the IFPC 2018 conference on performance of face recognition which is focused on all technical factors affecting the deployment and use of high performance face recognition applications, including applications, standards, advanced and rapid capture, quality assessment, age and ageing effects, demographic effects, datasets, their preparation, training and tuning, presentation attack detection, non-cooperative uses, accuracy measurement, and performance tests.

Sponsored by the Department of Homeland Security's Science and Technology Directorate, the conference aims to assemble a set of speakers from across the globe involved in face recognition development, procurement, deployment and operations. The overarching goal is to bring greater maturity to face recognition by improving performance, transparency, and trustworthiness. The organizers welcome proposals for technical or policy presentations focused on any technical factors, problems, and mitigations that influence face recognition operations and applications.

Organizers:

Patrick Grother, Mei Ngan, Jonathon Phillips, NIST, US
Tony Mansfield, NPL, UK
Christoph Busch, EAB, DE

Speakers:

Research and development staff, system analysts, users, evaluators, planners, writers of technical specifications, standards developers and adopters.

Target audience:

Professionals concerned with face recognition procurement, deployment, maintenance, design, configuration, integration, standardization, research and development.

Main Conference
IFPC 2018 Conference
Red Auditorium, NIST
November 27, 28, 29

IFPC Conference Links:	Homepage	Registration	Directions
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Face Recognition @ NIST	Face Homepage	FRVT 2018	Face Morph Detection
	Face Forensics [PDF]	FRVT Ongoing	FRPC 2017 [PDF]

		IFPC 2018 - Tuesday Nov 27		IFPC 2018 - Wednesday Nov 28		IFPC 2018 - Thursday Nov 29		
		0800 Arrive + Registration: 08:30 Welcome + Logistics		0800 Arrive + Registration 08:30: Start + Review Day 1		0800 Arrive + Registration 08:30: Start + Review Day 2		
Government and Borders	01	0840 Arun Vemury , DHS Science + Technology Directorate: Welcome + DHS context	Security	19	0835 Lars Ericson , IARPA: Overview of the Odin program on presentation attack detection	Passports	38	0840 Amir Ariën , Biometrics Registration Authority, Israel: The Israeli National Biometric Project
	02	0850 Dan Tanciar , US Customs and Border Protection: CBP use of Facial Recognition in Development of a Biometric Entry/Exit System		20	0855 Ralph Breithaupt , BSI: Presentation Attack Detection & Morphing: New developments in biometric security testing and certification		39	0905 Delia McGarry and Stephen Melsom , U.S. Department of State: Image manipulation detection and effects of perspective distortion on face identification
	03	0915 Oliver Bausinger , BSI, Smart Borders: EES, ETIAS and Interoperability - towards a unified identity management for Third Country Nationals		21	0920 Rasa Karbauskaitė , Frontex: Morphing and other related vulnerabilities for border control		40	0930 Shashi Samprathi , Australian Passport Office DFAT: Update on uses of face recognition
	04	0940 Anna Stratmann , BSI: Biometric processes of the Entry Exit System		22	0940 Max Dermann , Bank of New Zealand: Evaluation of face PAD solutions - a bank's journey		41	0955 Andreas Wolf , Bundesdruckerei: ICAO's technical report on portrait quality
		1005 Break		23	1005 Gert Jan de Nijs , Dutch Vehicle Authority: Creating a process to prevent photo fraud			1020 Break
	05	1035 Markus Nuppeney , BSI: Automated Border Control (EasyPASS): Monitoring the system performance		24	1055 Fons Knopjes , Passports Netherlands: SOTAMD: A European state of the art morph detection program		42	1050 Mickey Cohen , Shanit: Privacy, Security and facial de-identification aspects
	06	1100 James L. Wayman, John P. Bowes and Joshua Abraham , 2018 for Department of Home Affairs, Australia, SmartGate(TM) Update		25	1120 Kari Kanto , The National Police Board of Finland: Morph detection experiments with large data sets		43	1110 Arun Ross , Michigan State University: Semi Adversarial Networks for Face De-identification
Fast Cap	07	1150 John Howard , SAIC: Evaluation of rapid face capture devices	Morphing	26	1145 Christoph Busch , HDA/NTNU: Morphing attack detection overview	Privacy	44	1135 Stephane Gentric , Idemia: TBA
	08	1215 Ilan Arnon , Face4Systems: Face recognition on-the-move: Case Studies		27	1210 Marta Gomez-Barrero , Hochschule Darmstadt: Vulnerability Evaluation of Presentation + Morphing Attacks		45	1200 Thorsten Thies , Cognitec: Effects of wrong ID labels
	09	1340 Geoff Whitaker , DSTL UK: ISO 30137 video surveillance and OSAC ASTM update E3115		28	1230 Mei Ngan , NIST: FRVT Face Morph Detection Evaluation		46	1225 Brendan Klare , Rank One Computing: Emerging applications in commercial face recognition
	1240 Lunch		1245 Lunch		1240 Lunch			
FR in Police	10	1405 Mark Branchflower , Interpol: Face recognition in Transnational Crime	Human Aspects	29	1400 Jonathon Phillips , NIST: Recognition Accuracy of Forensic Examiners, Super-recognizers, and Algorithms	Testing, Standards, Benchmarks	47	1340 Christoph Busch , Hochschule Darmstadt: Measures for benchmarking indexing algorithms
	11			30	1420 Richard Vorder Bruegge , FBI: Improving the Process: What could help forensic examiners make better decisions?		48	1405 Michael Thieme , Novetta: Impact of Non-Facial Regions on FR Performance
	12			31	1445 Eilidh Noyes , University of Huddersfield: What is a super-recognizer?		49	1430 Tony Mansfield , NPL: ISO/IEC 30137-2 Biometric video surveillance - testing and reporting
	1430 Break (cafeteria closes at 1500)		1510 Break (cafeteria closes at 1500)		1450 Break (cafeteria closes at 1500)			
Demographics	13	1500 John Campbell , Bion Biometrics: ISO/IEC 22116 Differential impacts of demographics in biometric systems	32	1540 Carina Hahn , NIST: Issues on measuring facial forensic apprenticeship	50	1520 Marek Rejman-Greene , IdentityForServices: Design and management of reliable services using face recognition		
	14	1520 Yevgeniy Sirotnin , SAIC: Estimating relative skin reflectance and measuring its effect on recognition.	33	1605 David White , UNSW-Sydney: Incorporating human perceptual expertise in face identification systems	51	1540 Chris Malec , DSTO: Australian government FR algorithm performance testing		
	15	1545 Mike King , Florida Institute of Technology: Demographic effects in face recognition	34	1630 Carlos Castillo , Uni. of Maryland: DCNNs for unconstrained face recognition	52	1605 Matt Pruitt , NEC: Getting the Best Facial Image in an Uncontrolled Environment: The Effect of User Experience on Facial Quality and Match Scores		
	16	1610 Clare Garvie , Center on Privacy & Technology Georgetown Uni.: Consequences of differential impacts	35	1655 Alice O'Toole , UT Dallas: Understanding face representations in deep convolutional neural networks: Face Space Theory evolves	53	1630 Nathan Kalka + Brianna Maze , Noblis: Curating large-scale face recognition benchmark test sets		
	17	1635 Patrick Grother , NIST: Demographic dependencies in contemporary face recognition algorithms	36	1720 Neal Gieselmann , Aware Inc.: Tools for human face comparison	54	1700 Patrick Grother , NIST: FRVT 2018 and the errors that remain in FR systems: Future Image Quality Standardization		
	18	1700 Panel on Demographics: John Campbell, Clare Garvie, Patrick Grother, Mike King, Yevgeniy Sirotnin	37					
	Talks: 16. Dress code: Business casual, face masks		Talks: 18 Social Event 6PM: Dogfish Ale House opposite NIST		Talks: 17 Adjourn: Until 2020			

