88th IFIP WG 10.4 Meeting
Ischia, Italy
June 26 - 29, 2025

Business Meeting

88th WG Meeting – Participants

- 41 participants
  - Asia: 2
  - Europe: 26
  - North America: 11
  - South America: 0
  - Oceania: 2
- 26 members
- 15 guests

Thanks everyone!

Agenda

- DSN 2025, DSN 2026, DSN 2027
- Related Conferences
- JCL Award 2025
- WG Meetings: Summer 2025, Summer 2026
- Communications and Outreach

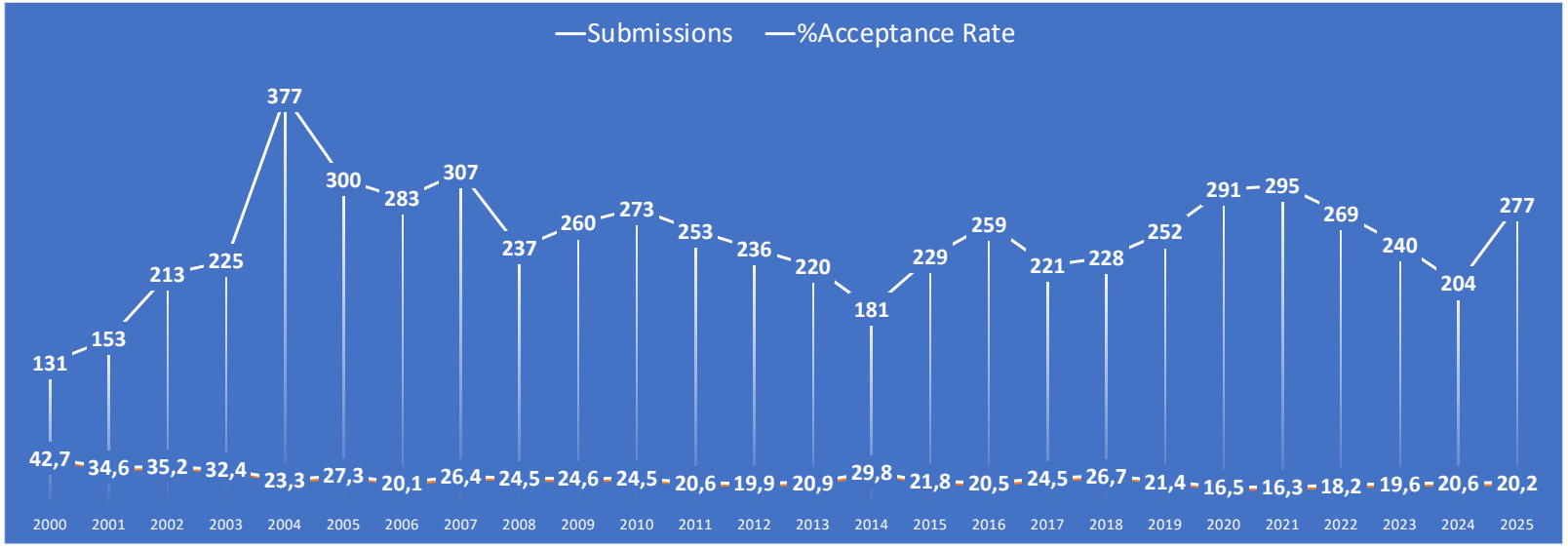
- Second part - restricted to members of the WG!

DSN 2025 Naples, Italy

- *Domenico Cotroneo,*
- *Marcello Cinque,*
- *Univ. di Napoli Federico II*

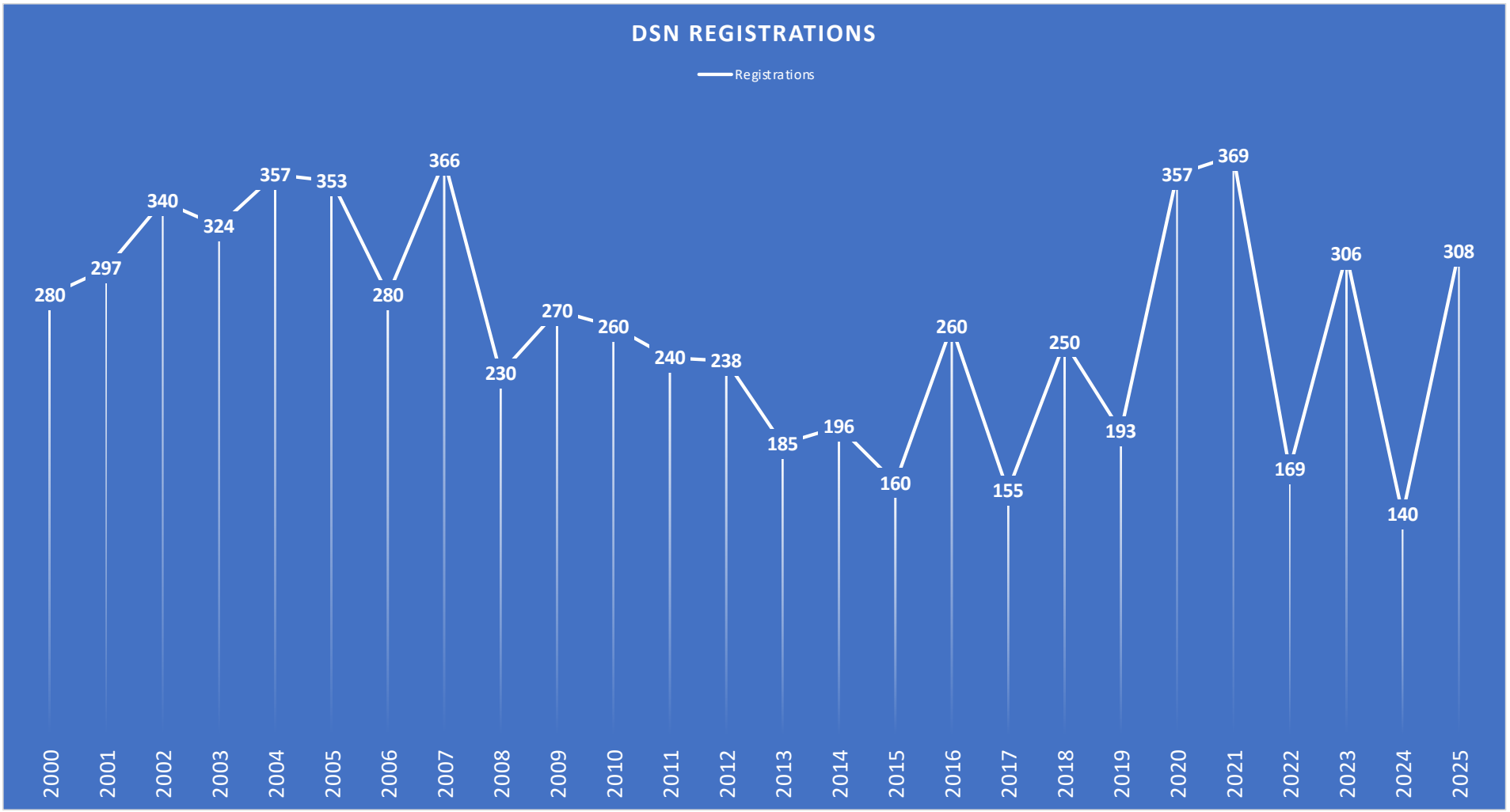
Local Organizing Team

Thank You!



2000	New York, NY, US
2001	Gothenburgh, SE
2002	Washington, DC, US
2003	San Francisco, CA, US
2004	Florence, IT
2005	Yokohama, JP
2006	Philadelphia, PA, US
2007	Edinburgh, GB
2008	Anchorage, AK, US
2009	Lisbon, PT
2010	Chicago, IL, US
2011	Hong Kong, CN
2012	Boston, MA, US
2013	Budapest, HU
2014	Atlanta, GA, US
2015	Rio de Janeiro, BR
2016	Toulouse, FR
2017	Denver, CO, US
2018	Luxembourg, LX
2019	Portland, OR, US
2020	Valencia, SP
2021	Taipei, Taiwan
2022	Baltimore, MA, US
2023	Porto, Portugal
2024	Brisbane, Australia
2025	Naples, IT

FTCS-DSN statistics now published online (www.dependability.org)


DSN REGISTRATIONS
Registrations
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Bojan ***Cukic***,
Marco ***Vieira***

College of Computing and Informatics (***CCI***)

University of North Carolina (UNC) ***Charlotte***

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Facts about Charlotte, NC

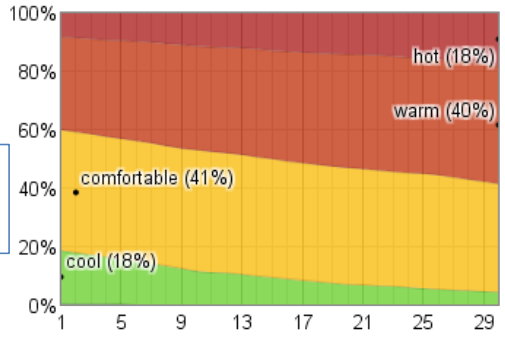
Large (~1M city, 2.8M region)

2nd largest banking center in US

Arts, museums, sports scene

Airport hub

66 – 87 ºF
19 – 30 ºC



June weather

The Charlotte Region's FORTUNE 500

18 Bank of America
49 Lowe's
114 Honeywell
124 Nucor
132 Truist
148 Duke Energy
296 Sonic Automotive
412 Albemarle

CHARLOTTE REGIONAL BUSINESS ALLIANCE

UNIVERSITY OF NORTH CAROLINA CHARLOTTE
COLLEGE OF COMPUTING AND INFORMATICS
Office of the Dean

The University of North Carolina (UNC) ***Charlotte***

Dubois Center City
Uptown Charlotte

Main Campus

- Urban research (***R1***) university
- 31,000+ students

College of Computing & Informatics (***CCI***)
Woodward Hall – UNC Charlotte

UNIVERSITY OF NORTH CAROLINA
CHARLOTTE
COLLEGE OF COMPUTING AND INFORMATICS
Office of the Dean

DSN organization

- Organizational experience:
  - ISSRE 2022
  - ACM CODASPY 2023
  - SRDS 2024
  - DSN 2026

- Annual Charlotte Cyber Security Symposium
  - 700+ attendees

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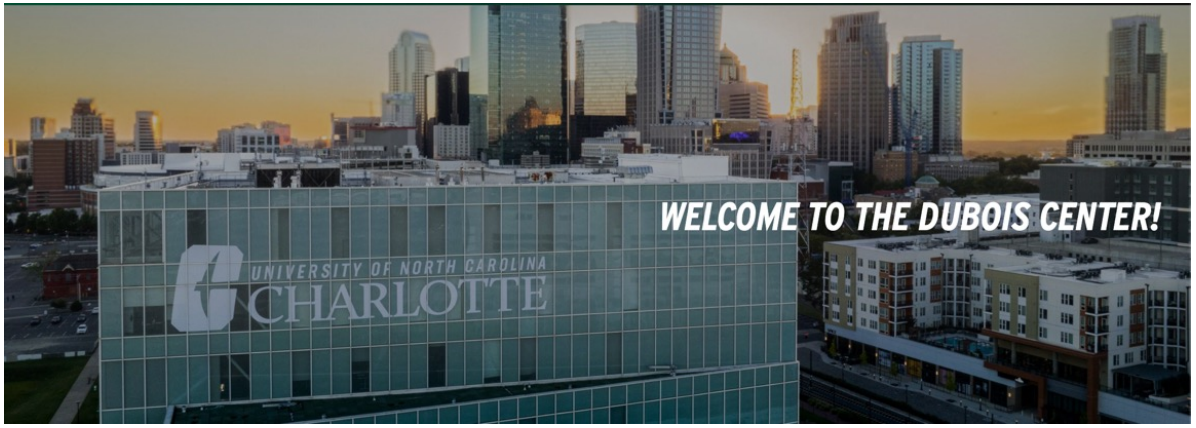
MORGANFRANKLIN CONSULTING
CYBERSECURITY SERVICES

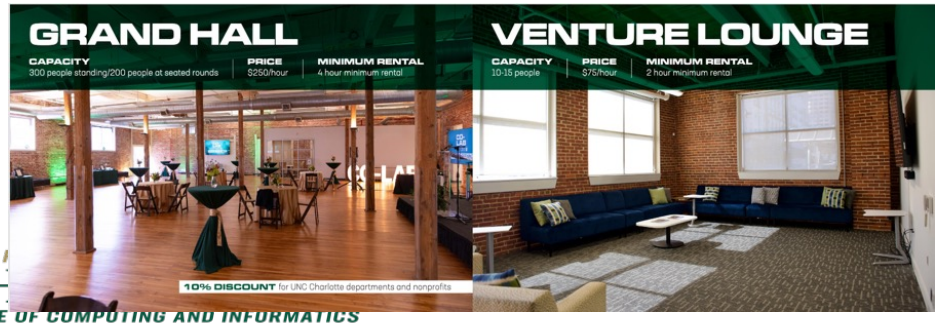
signature CONSULTANTS

Checkmarx

Venues

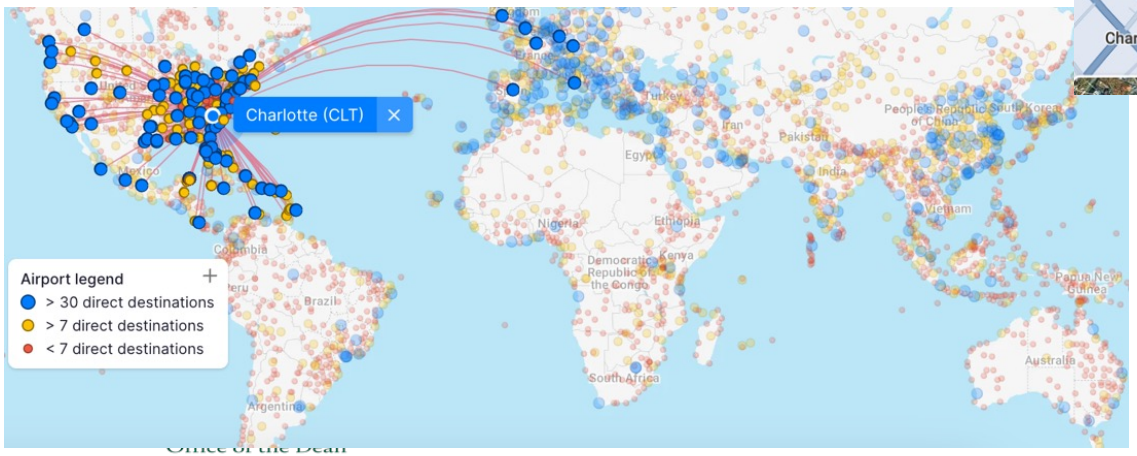
- June 22 – 25, 2026
  - UNC Charlotte Center City – Dubois Building
    - Walking everywhere
- Reception: CLT Co-Lab
- Banquet: NASCAR Hall of Fame
- Tour: Mint/Bechtler Museums

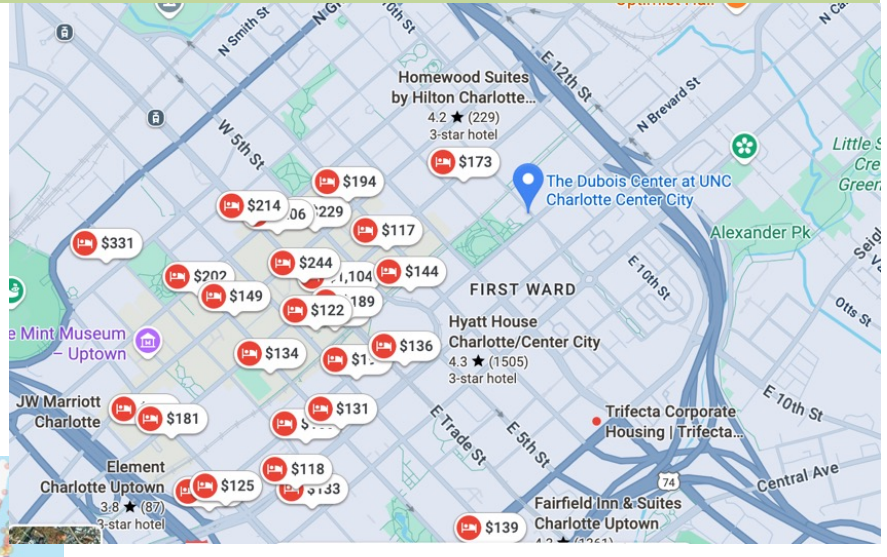




Charlotte – Transportation, Lodging

- Charlotte Douglas Airport
  - 6th busiest in the world
    - ~560,000 takeoffs and landings
    - 62+ million passengers (top 20)
    - 144 US and 48 international destinations





- Hotels
  - Google Maps
    - today's search, 2:15 pm

Summary

- Charlotte is easy to reach, safe, pleasant city
  - Strive to organize a moderately priced event
- Significant organizational experience
- Support from UNC Charlotte

- If you extend your travel you may see a FIFA World Cup game or two!!!

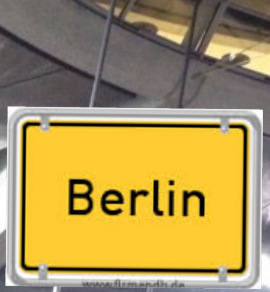
CHARLOTTE
COLLEGE OF COMPUTING AND INFORMATICS

Thank you

College of Computing and Informatics (***CCI***): cci.charlotte.edu

DSN 2027

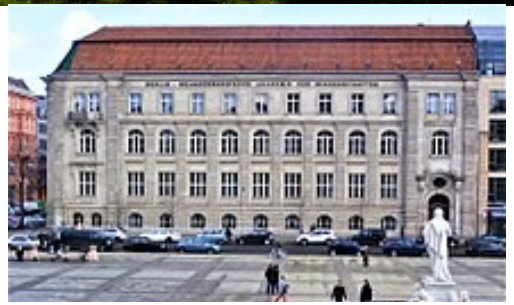
Bid for Berlin
Last week of June 2027
Katinka Wolter

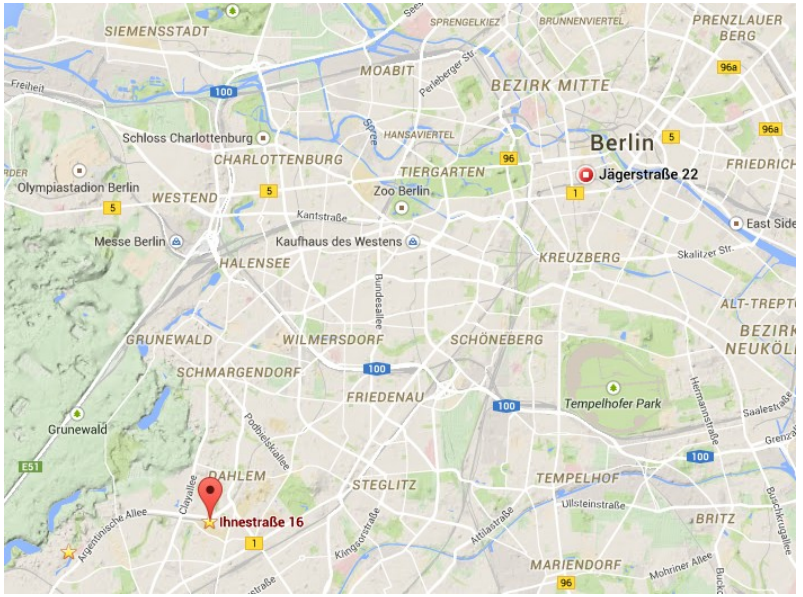


Freie Universität Berlin

Possible venues

1. **Harnack house, Dahlem**
   - Belongs to Max-Planck Society
2. **Hilton Hotel Gendarmenmarkt**
   - In the center of town
3. **Academy of the sciences** for reception





Related Conferences

- ISSRE 2025
  - São Paulo, SP, Brazil
  - November 4-7
- EDCC 2025
  - Lisbon, Portugal
  - April 8-11
- SAFECOMP 2025
  - Stockholm, Sweden
  - September 9-12
- PRDC 2025
  - Seoul, Korea
  - November 3-5
- LADC 2025
  - Valparaíso, Chile
  - October 27-31
- SRDS 2025
  - Porto, Portugal
  - Sep. 30 - Oct. 4
- OPODIS 2025
  - Iasi, Romania
  - Dec. 3-5

DSN-2025 JCL Award

- Chair:
  - Ilir Gashi, City St George's, University of London, UK
- Members:
  - Michel Cukier, University of Maryland, College Park, MD, USA
  - Evgenia Smirni, College of William of Mary, Williamsburg, VA, USA
  - Sonia Ben Mokhtar, CNRS, France
  - Alysson Bessani, Universidade de Lisboa, Lisbon, Portugal
  - Corrado Leita, CISCO, UK
  - Long Wang, Tsinghua University, Beijing, China
  - Elias Duarte, Federal University of Paraná, Curitiba, Brazil
  - Dan Dongseong Kim, University of Queensland, Brisbane, NSW, Australia
- 6 papers nominated

Winner of the 2025 JCL Award

Flikker: saving DRAM refresh-power through critical data partitioning

Song Liu, Karthik Pattabiraman, Thomas Moscibroda, and Benjamin G. Zorn

16th Intl Conf. on Architectural support for Programming Languages and Operating Systems (ASPLOS XVI), 2011, doi: 10.1145/1950365.1950391

… one of the first papers in the field of approximate computing, and attempted to bridge the worlds of dependability and energy efficiency (i.e., sustainability). The main idea was to trade off hardware reliability to save power in DRAM memories, and to allow programmers to control the tradeoff based on the semantics of their applications. While other papers had also explored the power-reliability tradeoff, Flikker was the first to do so at the programming language level. This was a fundamental innovation, as it allowed fine-grained control over the application's semantics and quantified the risk that the developer was prepared to tolerate for achieving energy savings. Many other papers have built on the ideas proposed in this paper, as evidenced by the fact that it has been cited more than 650 times since it's publication in 2011…

Winner of the 2025 JCL Award

Lightweight Probabilistic Broadcast

Patrick Eugster, Rachid Guerraoui, S. B. Handurukande, Petr Kouznetsov, and Anne-Marie Kermarrec

International Conference on Dependable Systems and Networks (DSN 2001), 2001, doi: 10.1109/DSN.2001.941428

… the first decentralised, reliable information dissemination protocol. The protocol puts to work the intuitive idea of gossip, or epidemic information dissemination, in a completely decentralised setting without any single point of failure. The original idea, consisting of transmitting news items in a peer-to-peer manner by periodically having each peer pick the one to which to transmit the item randomly among its neighbours, had been considered quite appealing since the work of Demers et al. on replicated databases in the 90s (...) The reliability of the decentralised algorithm presented in the nominated paper is formally analysed using a stochastic approach …

WG Meetings: Locations & Organizers

- Winter 2026 – proposal for Japan
  - Xavier Defago
- Summer 2026 – Charlotte, NC, US (together with DSN 2026)
  - Bojan Cukic, Ahmed Helmy
- Winter 2027 – looking for proposals
- Summer 2027 – Berlin, Germany (together with DSN 2027)
  - Katinka Wolter

Winter Meeting 2026

Winter Meeting 2026

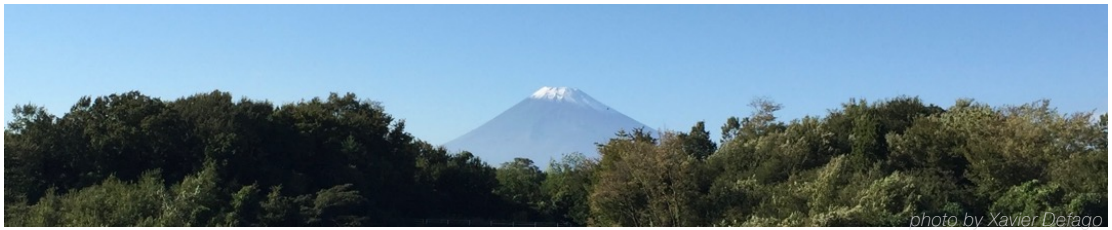
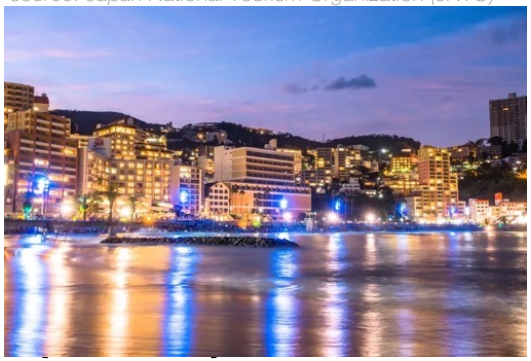


photo by Xavier Defago

- **Location**
  - **Atami**, Shizuoka, Japan
    熱海
- **Dates**
  - **January 10-14, 2026**
- **Organizers**
  - Xavier Défago *(Science Tokyo)*
  - Naohiro Hayashibara *(Kyoto Sangyo U.)*
  - Fumio Machida *(Tsukuba U.)*
- **Technical Workshop**
  - dependable robotics *(and automotive and embedded systems)*
  - blockchains and BFT *(for embedded systems and robotics)*

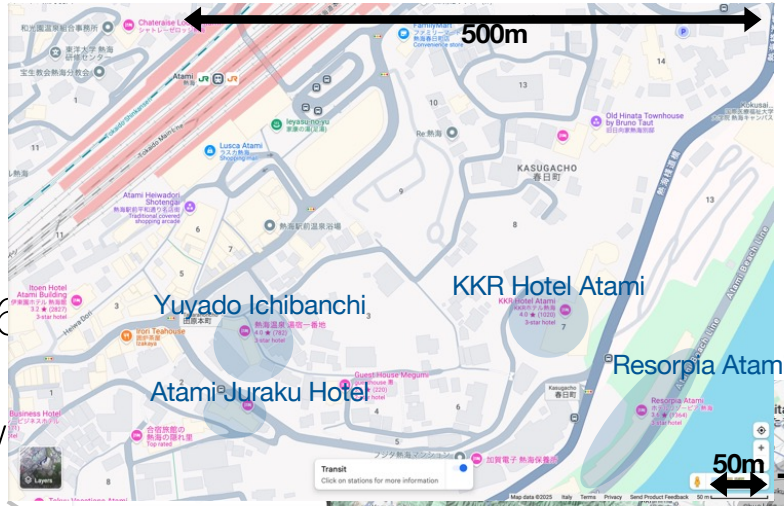

source: Japan National Tourism Organization (JNTO)

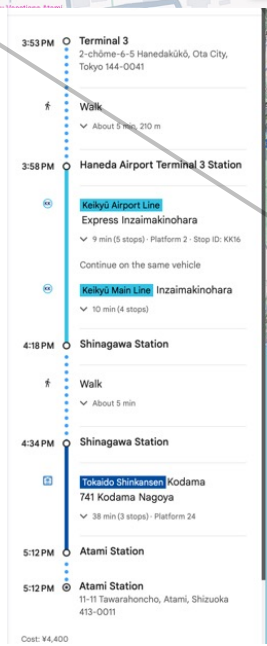


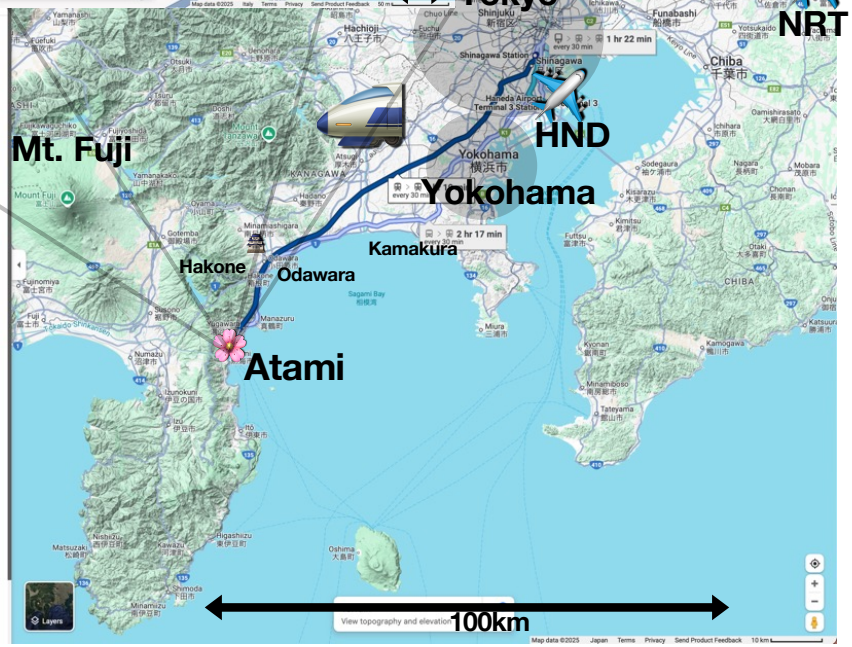

source: National Diet Library (Japan)

Access

- **By Plane**
  - via Tokyo **Haneda** Airport; ~€26
    - 1h20 (Keikyu L.ine
      + Shinkansen via Shinagaw
  - via Tokyo **Narita** Airport; ~€40
    - 2h00 (Keisei Skyliner
      + Keihin-Tohoku Line via Nippori
      + Shinkansen via Tokyo)
- **By Train**
  - Shinkansen (~€20)
    - Tokyo (36'), Shinagawa (30'),
    - Shin-Yokohama (28')
  - JR Tokaido Line (~€8)
    - Yokohama (1h20')





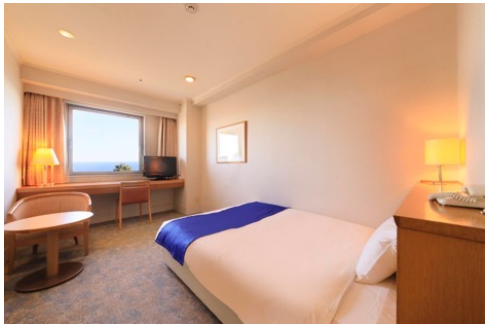


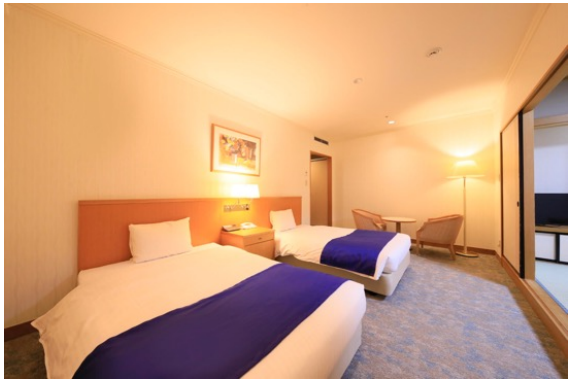
Location

- **Attractions**
  - Atami Plum Garden;
    Plum Festival;
  - early/mid plum blossoms (🌸)
  - Thermal spa (onsen ♨)
  - Kinomiya Shrine; Izusan Shrine
  - MOA Museum of Art; Atami Castle
- **Weather (mid-January)**
  - Temperature: low 3ºC ; high 11ºC
  - Precipitation: 4 days (13%)

Accommodation/Rooms

- **Hotel**
  - KKR Hotel Atami **(tentative!)**
- **Estimate**
  - registration: **75k yen** (~€450 / ~$515)
  - room: **20k yen**/p./night (~€120 / ~$138)





all photos KKR Hotel Atami

WG IFIP 10.4, 2026
Charlotte, NC

Ahmed ***Helmy,*** Bojan ***Cukic,***
Marco ***Vieira***

College of Computing and Informatics (***CCI***)
University of North Carolina (UNC) ***Charlotte***

The Dubois Center – UNC Charlotte
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Proposed Theme

- Identity and biometrics
- Large system performance
- Benchmarking and performance tests
- Security
  - liveness,
  - deep fakes
- Identity management
  - All inclusive identity

The Dubois Center
UNC Charlotte

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CHARLOTTE

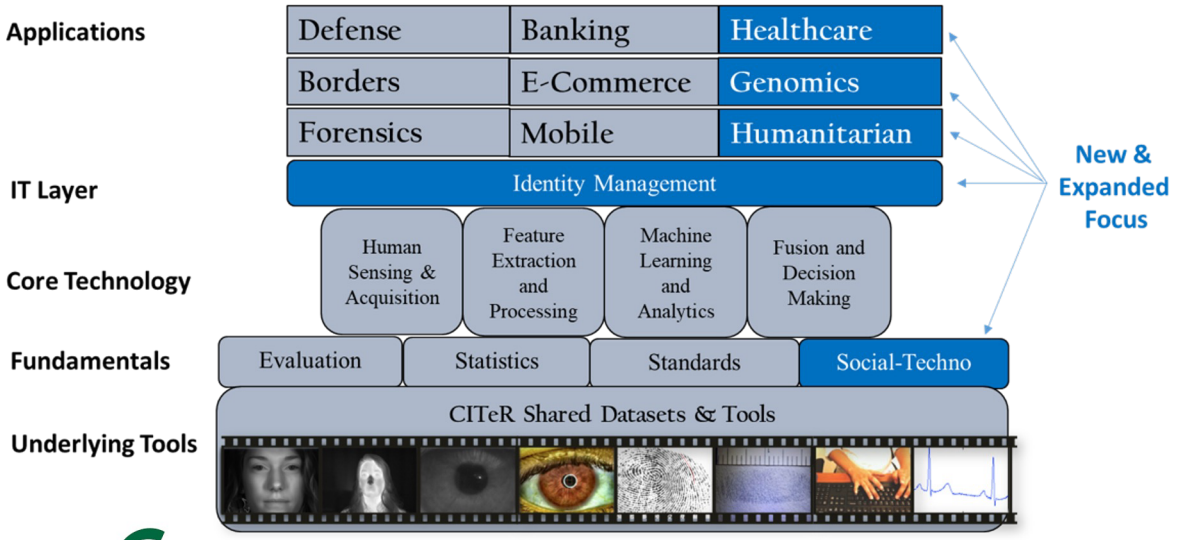
UNIVERSITY OF NORTH CAROLINA CHARLOTTE

CITeR Center for Identification Technology Research

Center for Identification Technology Research (CITeR)

A National Science Foundation (NSF) Industry/University Cooperative Research Center (IUCRC)

Partnership between government and industry stakeholders to advance the state of the art in (human) identification through coordinated university research.



Clarkson · Michigan State University · West Virginia University · IDIAP Research Institute · University at Buffalo The State University of New York · University of North Carolina Charlotte

UNIVERSITY OF NORTH CAROLINA CHARLOTTE

Center for Identification Technology Research (CITeR)

CITeR Center for Identification Technology Research

A National Science Foundation (NSF) Industry/University Cooperative Research Center (IUCRC)

Industry / Government partners

Defense Forensics and Biometrics Agency (DFBA)

DHS Office of Biometric Identity Management (OBIM)

FBI Criminal Justice Information Services (CJIS)

National Security Agency (NSA)

Qualcomm

Athena Sciences

Aware, Inc

IDEMIA

Metalenz

NeoAuth

Home Team Science and Technology Agency (HTX) – Singapore

Israel National Cyber Directorate

Public Safety Canada

Defense Research and Development Canada (DRDC)

Oak Ridge National Laboratory

Clarkson

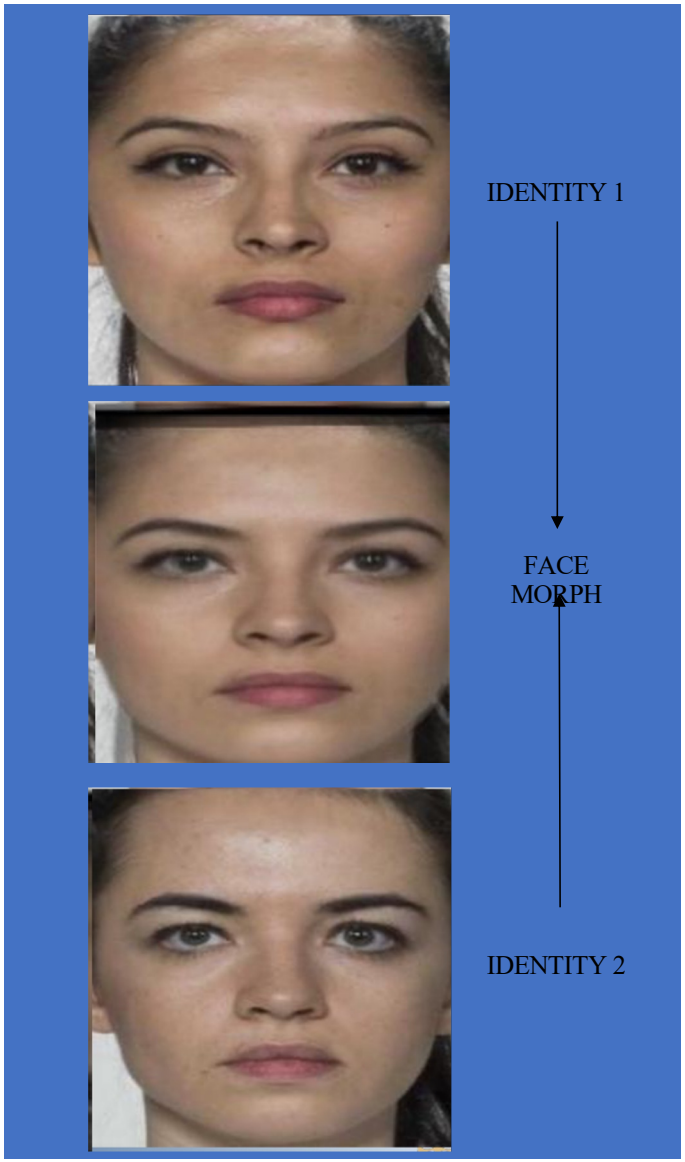
Michigan State University

West Virginia University

idiap Research Institute

University at Buffalo The State University of New York

University of North Carolina Charlotte



Face Morphing

PROBLEM

Two individuals both match a single morphed image and are able to share an identity

RESEARCH DIRECTION

Morph Detection based on Deep Siamese Networks and Attention Aware Wavelet Sub-bands

RESEARCH DIRECTION

Face Demorphing: Deducing Images Used to Generate a Morph

RESEARCH DIRECTION

Creation of Face Morphs based on Generative Adversarial Networks

OUTCOMES

- Benchmark Datasets of High Quality Face Morphs
- Software for Face Morph Detection
- Leading publications in the field

Blasingame, Z., et al,. Leveraging Adversarial Learning for the Detection of Morphing Attacks, etc., 2021.
Aghdaie, P., et al. Attention aware wavelet-based detection of morphed face images,2021
Chaudhary, B., et al., 2021. Differential Morph Face Detection Using Discriminative Wavelet Sub-Bands. 2021
Soleymani, Sl., et al. Differential morphed face detection using deep Siamese networks. 2021
R. Sharma, A. Ross, Image-level Iris Morph Attack, 2021.
S. Banerjee, A. Ross, Conditional Identity Disentanglement for Differential Face Morph Detection, 2021
Sobhan Soleymani, et al, Mutual Information Maximization on Disentangled Representations for Differential Morph Detection, 2021
Kashiani, H., et al., 2022, October. Robust ensemble morph detection with domain generalization. 2022
Zhang, N., et al., 2022. Fusion-based Few-Shot Morphing Attack Detection and Fingerprinting.
Blasingame, Z., et al., 2023. Leveraging Diffusion for Strong and High Quality Face Morphing Attacks
Aghdaie, P., et al., 2023. Attention Augmented Face Morph Detection
Kashiani, H., et al., 2023. Towards Generalizable Morph Attack Detection with Consistency Regularization

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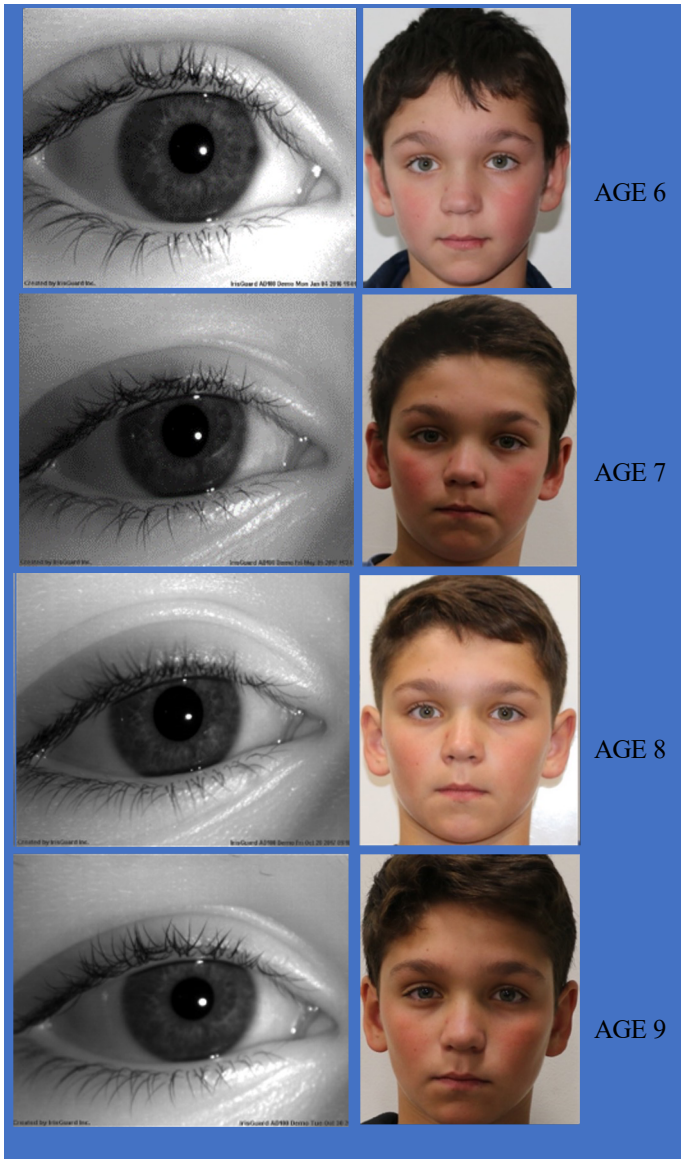


Aging In Biometrics

PROBLEM

Biometric traits may change as a person ages, particularly in children

RESEARCH DIRECTION

Development and assessment of models for fingerprint, face, voice, and iris aging

RESEARCH DIRECTION

Study of toe print recognition as a possible first biometrics

RESEARCH DIRECTION

Improving segmentation in child fingerprint slap images

OUTCOMES

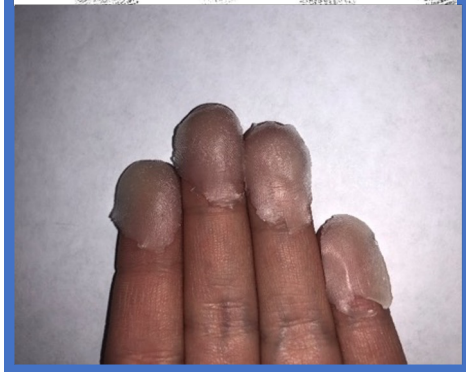
- Benchmark Datasets Children
- Age mitigation techniques
- Leading publications in the field

Das, P, et al, Longitudinal Performance of Iris Recognition in Children: Time Intervals up to Six years, 2023
Bahmani, K. et al. Face Recognition In Children: A Longitudinal Study
Das, P, et al. Iris Recognition Performance in Children: A Longitudinal Study. 2021.
Yambay, D., et al, A Feasibility Study on Utilizing Toe Prints for Biometric Verification of Children. 2019.
Das, P., et al, Analysis of dilation in children and its impact on iris recognition. 2020.
Purnapatra, S., et al. Longitudinal study of voice recognition in children. 2020.
J. J. Engelsma, et al, Infant-ID: Fingerprints for Global Good", 2021.
D. Deb, et al, Identifying Missing Children: Face Age-Progression via Deep Feature Aging, 2021.
Singh, Set al., 2024. Longitudinal Evaluation of Child Face Recognition and the Impact of Underlying Age.
Sumi, M.R., Imtiaz, M. and Schuckers, S., 2024. A Longitudinal Study on Fingerprint Recognition in Infants, Toddlers, and Children.

CITeR
Center for Identification Technology Research

Noncontact Finger Photo

Contact Fingerprint



Spoof Noncontact Finger Photo

Noncontact Fingerprint Recognition

PROBLEM

Perform fingerprint recognition on the basis of a photo of a person's fingers, i.e. noncontact

RESEARCH DIRECTIONS

· Develop benchmark datasets of live and spoof images from various capture technologies (standalone sensors, smartphone apps, etc.)

· Develop matching algorithms for noncontact compared to contact fingerprint images to address operational nonidealities in capture, such as blur and nonuniform illumination

· Evaluate match score differentials for various demographic groups (gender, ethnicity, finger size, etc.)

OUTCOMES

· Database of non-contact finger photos and contact fingerprints

· Database of live and spoof non-contact finger photos

· Software for contact to non-contact finger matching

· Patent awarded: N. M. Nasrabadi, J. Dawson and A. Dabouei, A. Joshi, "Fingerphoto Deblurring using Deep Learning GAN Architectures," Patent issued 4/20/2024, Patent No. 11,972,630

Jawade, B et al, 2022. RidgeBase: A Cross-Sensor Multi-Finger Contactless Fingerprint Dataset

Purnapatra, S. et al, 2023. Presentation Attack Detection with Advanced CNN Models for Noncontact-based Fingerprint Systems

Hasan, M.M., et al, 2023. On Improving Interoperability for Cross-domain Multi-finger Fingerprint Matching Using Coupled Adversarial Learning

Joshi, A.S., et al, 2023. Fingerphoto Deblurring Using Attention-Guided Multi-Stage GAN

King, C., et al, 2023. Contactless Fingerprints: Differential Performance for Fingers of Varying Size and Ridge Density

Liveness Detection Competition- Noncontact-based Fingerprint Algorithms and Systems (LivDet-2023 Noncontact Fingerprint)

Adami, B. et. al., 2023. A Universal Anti-Spoofing Approach for Contactless Fingerprint Biometric Systems

Keaton, D.C. et al, 2024. FDWST: Fingerphoto Deblurring using Wavelet Style Transfer

Joshi, A.S. et al, UFQA: Utility guided Fingerphoto Quality Assessment

CITeR Center for Identification Technology Research

Lip-syncing Deepfake of President Kennedy

Original video frame of President Kennedy

Detection of Deepfakes

PROBLEM

Detection of image manipulation and deepfakes

RESEARCH DIRECTIONS

- Identification of authentic voice from synthesized voice, e.g., text-to-speech and voice conversion
- Detection of lip-syncing deepfake videos
- Development of multimodal deepfake video detection
- Evaluation of protection of deepfake injection attacks, such as challenge response

OUTCOMES

- Software for detection of deepfakes and image manipulation
- Dataset of DeepFake Videos (e.g. https://swan-df.github.io/)

Sun, C., et al, 2023. Ai-synthesized voice detection using neural vocoder artifacts

Muppalla, S., et al, 2023. Integrating audio-visual features for multimodal deepfake detection

Kanti Datta, S., et al, 2024. Exposing Lip-syncing Deepfakes from Mouth Inconsistencies

Yan, Z., et al, 2023. Deepfakebench: A comprehensive benchmark of deepfake detection

Sun, C., et al, 2023. Using Vocoder Artifacts For Audio Deepfakes Detection

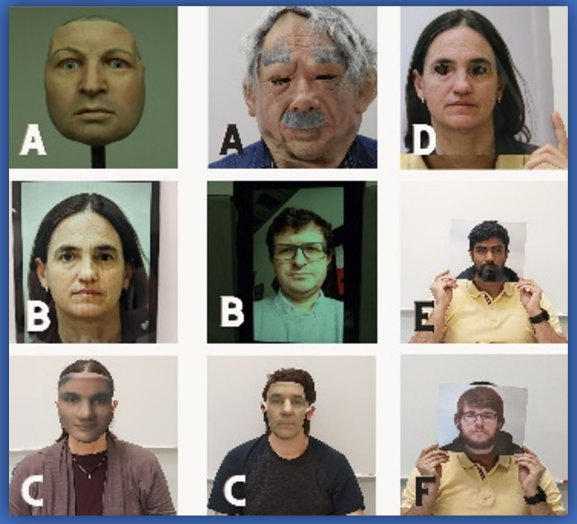
Yang, S., et al, 2023. Improving cross-dataset deepfake detection with deep information decomposition

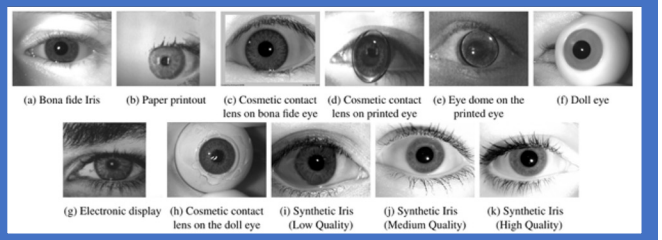
Zhang, C., et al, 2023. Contrastive Multi-Face Forensics: An End-to-end Bi-grained Contrastive Learning Approach for Multi-face Forgery Detection

Ju, Y., et al, 2023. Glff: Global and local feature fusion for ai-synthesized image detection

Guo, H., et al, 2023, June. Detection of real-time deepfakes in video conferencing with active probing and corneal reflection

Sun, P., et al, 2023. FakeTracer: proactively defending against face-swap DeepFakes via implanting traces in training





Presentation Attack Detection

PROBLEM

Biometric recognition may be vulnerable to fake biometrics

RESEARCH DIRECTIONS

- Evaluate state-of-the-art algorithms through competitions—LivDet
- Develop software and hardware approaches for liveness detection—software PAD, 3D finger vein based on photoacoustics
- Prepare new and novel methods spoofing-face masks, realistic skin-colored finger spoofs, blood infused finger spoofs, vanadium dioxide films for iris.

OUTCOMES

- Shared datasets
- LivDet competitions for face, iris, and fingerprint

Jauhari et al, “Iris Presentation Attack: Assessing the Impact of Combining Vanadium Dioxide Films with Artificial Eyes,” WACVW 2024

Igene, L., et al Face Liveness Detection Competition (LivDet-Face)-2024.

Purnapatra, S., Liveness Detection Competition-Noncontact-based Fingerprint Algorithms and Systems (LivDet-2023 Noncontact Fingerprint).

Micheletto, M., et al, 2023. Review of the fingerprint liveness detection (livdet) competition series: from 2009 to 2021.

Tinsley, P., et al, 2023, September. Iris Liveness Detection Competition (LivDet-Iris)–The 2023 Edition.

S. Purnapatra et al., "Presentation Attack Detection with Advanced CNN Models for Noncontact-based Fingerprint Systems," 2023

Adami B, A universal anti-spoofing approach for contactless fingerprint biometric systems, 2023.

Purnapatra, S., Liveness Detection Competition-Noncontact-based Fingerprint Algorithms and Systems (LivDet-2023 Noncontact Fingerprint).

Micheletto, M., et al, 2023. Review of the fingerprint liveness detection (livdet) competition series: from 2009 to 2021.

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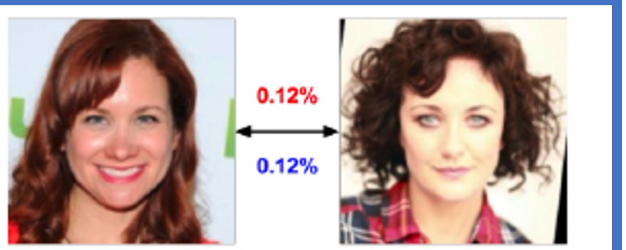

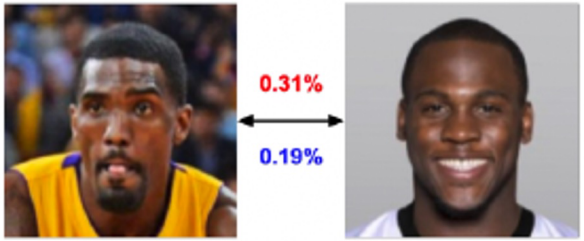

Two cases of comparisons (reported as % similarity) for a biased FR system (red) and an unbiased FR system (blue)

Bias in Face Recognition

PROBLEM

Performance in biometric recognition can vary based on demographics

RESEARCH DIRECTION

Development of measures of fairness appropriate for biometric recognition

RESEARCH DIRECTION

Development of a measure of skin tone from a single image, particularly useful for unlabeled datasets

RESEARCH DIRECTION

Large scale equity study of remote identity verification software

OUTCOMES

- Code for skin tone and bias metrics (e.g. https://gitlab.idiap.ch/bob/bob.paper.fdr)
- Statistical methods for bias mitigation

Chen, X et al 2022. Exploring racial and gender disparities in voice biometrics.
Schuckers, M., et al 2022. Statistical Methods for Assessing Differences in False Non-Match Rates Across Demographic Groups.
Schuckers, M., et al 2023. Statistical Methods for Testing Equity of False Non Match Rates Across Multiple Demographic Groups.
Drahos, J et al, 2023. Generalizability and Application of the Skin Reflectance Estimate Based on Dichromatic Separation (SREDS).
Fatima, K., et al 2024,. A large-scale study of performance and equity of commercial remote identity verification technologies across demographics.

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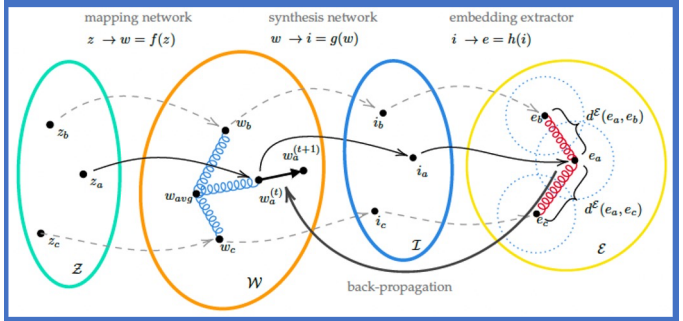

Exploration of the GAN latent space W by introducing a repulsive force between the face embeddings E so that they naturally arrange themselves in an assembly that maximize their inter-class distances

Synthetic Dataset Generation

PROBLEM

Generate datasets of synthetic biometrics as a substitute to real image for biometric recognition

RESEARCH DIRECTION

Investigate the use of AI generated synthetic biometrics data for training DNN-based systems

RESEARCH DIRECTION

Development of a novel method to explore the latent space of generative adversarial networks, inspired by the physical motion of soft particles subjected to stochastic Brownian forces, and casting the exploration as a sphere packing problem in the embedding space

RESEARCH DIRECTION

In-depth evaluation of utility and realism of synthetically generated data

OUTCOMES

- Software code soon: https://www.idiap.ch/paper/synthetics-disco/
- Synthetic datasets on Zenodo: https://zenodo.org/records/11474048

Geissbuhler, D. et al 2024. Synthetic Face Datasets Generation via Latent Space Exploration from Brownian Identity Diffusion.
Boddeti et al, "On the Biometric Capacity of Generative Face Models," IJCB 2023
Yadav and Ross, "iWarpGAN: Disentangling Identity and Style to Generate Synthetic Iris Images," IJCB 2023
Yadav and Ross, "CIT-GAN: Cyclic Image Translation Generative Adversarial Network With Application in Iris Presentation Attack Detection," WACV 2021

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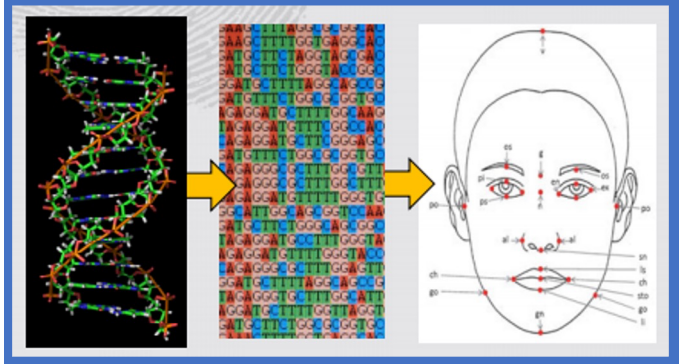

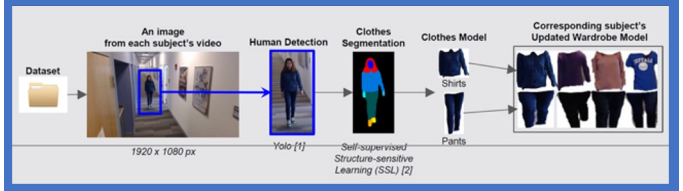

Soft & Novel Biometrics

PROBLEM

Develop novel biometrics and assess its capability for varying applications

RESEARCH DIRECTION

Study of relationship between DNA to Face

RESEARCH DIRECTION

RESEARCH DIRECTION

Development of wardrobe models for person re-identification

OUTCOMES

- Wardrobe dataset
- Attribute-based person reidentification

-K.W. Lee, B. Jawade, D.D. Mohan, N. Ratha, S. Setlur, V. Govindaraju, "Attribute De-biased Vision Transformer (AD-ViT) for Long-Term Person Re-identification", 18th IEEE International Conference on Advanced Video and Signal-Based Surveillance (AVSS), 2022.

-Chen, B., et al. A stimulus-response based EEG biometric using mallows distance. CCF Trans. Netw. 3, 128–139 (2020).

-K. W. Lee et al., "Bayesian Personalized-Wardrobe Model (BP-WM) for Long-Term Person Re-Identification," 2021 17th IEEE International Conference on Advanced Video and Signal Based Surveillance (AVSS), 2021, pp. 1-8.

-Labati, R.D., Ross, A. and Dantcheva, A., 2023. Soft Biometrics. Encyclopedia of Cryptography, Security and Privacy.

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Recent outcomes

Datasets/Tools*

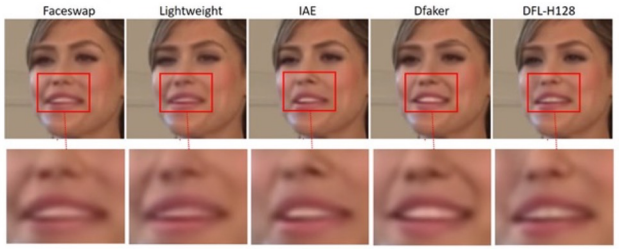
- Dataset: DFDM (DeepFake videos from Different Models)
- Dataset: LivDet Face 2021 (Live and spoof face images)
- Tool: CU Account Recovery Keystroke Software
- Tool: CU SREDS Skin Reflectance Tool

Challenge Problem Workshops

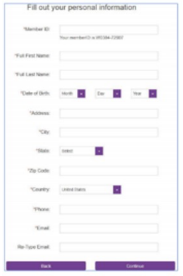
- Detroit Airport Tour and Workshop, November 2022, Detroit

Educational Videos

- Biometrics 101: The Adventures of Mia and Sofia - YouTube

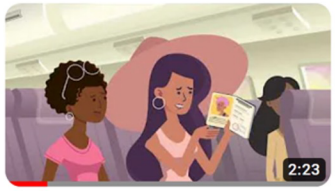


DFDM DeepFake Videos
https://github.com/shanface33/Deepfake_Model_Attribution

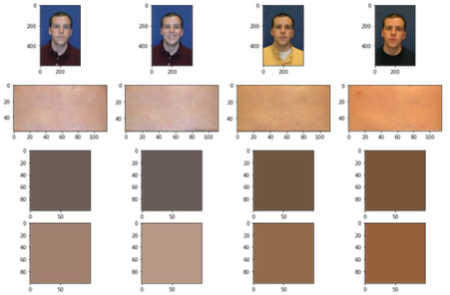


Account Recovery Keystroke Tool

LivDet 2021 Face



CITeR YouTube



SREDS Skin Reflectance

**See https://citer.clarkson.edu/research-resources/

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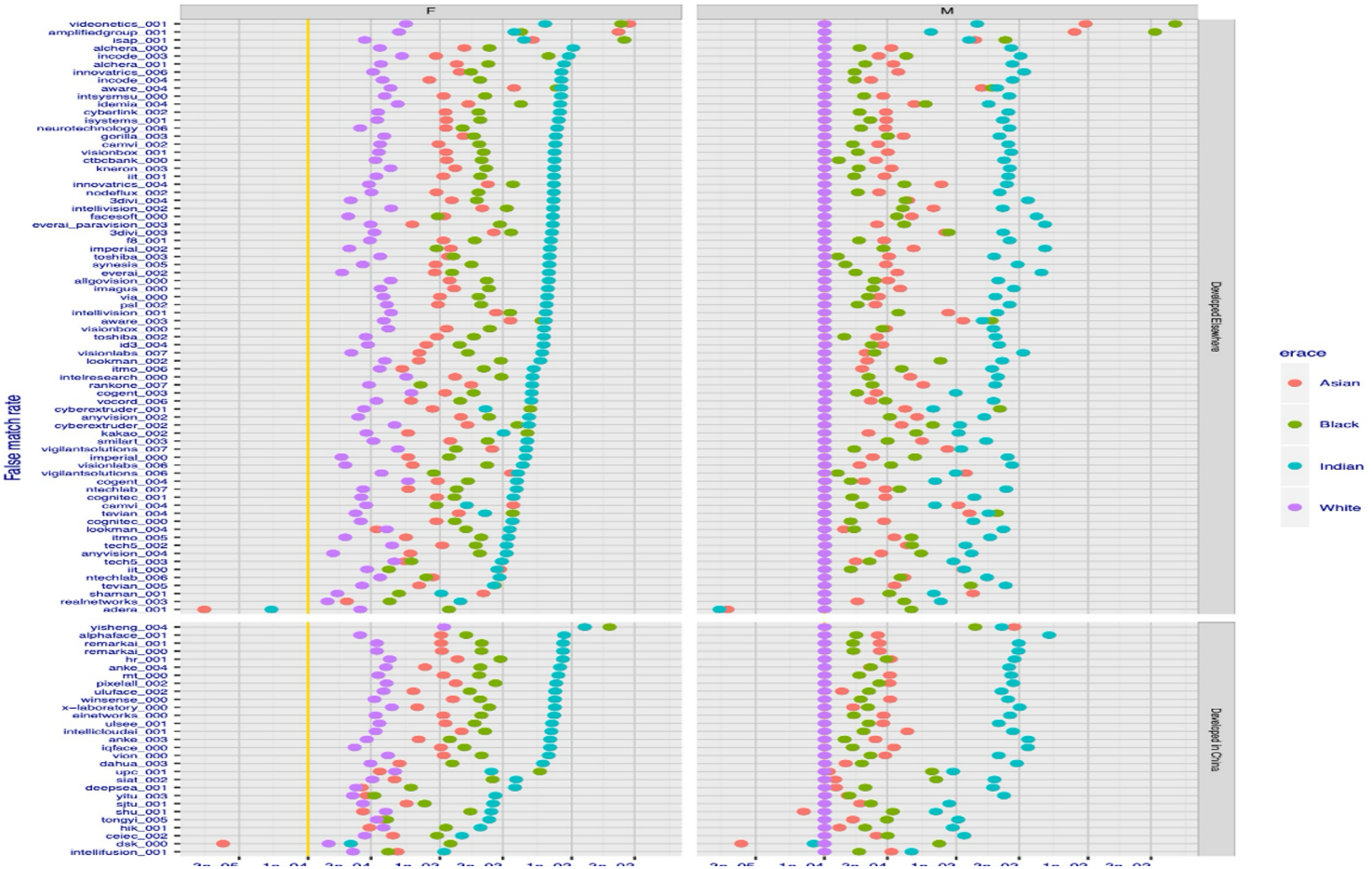
Bias



From:
NISTIR8280:
Face Recognition
Vendor Test,
Part 3: Demographic
Effects, NIST 2019
https://doi.org/10.6028/N
IST.IR.8280

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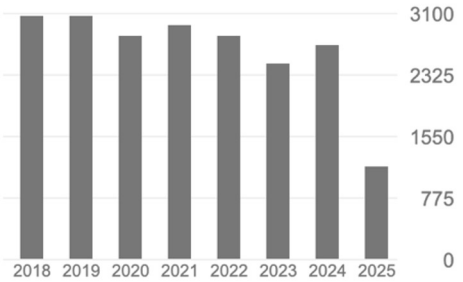
Initial speaker commitments

Arun Ross

Professor | Michigan State University
Verified email at cse.msu.edu - Homepage
Biometrics Computer Vision Pattern Recognition Iris Recognition

Citations	47782	14940
h-index	83	54
i10-index	281	207



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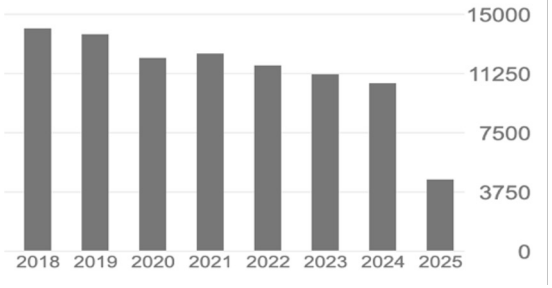

Anil K. Jain

Michigan State University
Verified email at cse.msu.edu - Homepage
Biometrics Computer vision Pattern recognition

STEPHANIE SCHUCKERS
Bank of America Distinguished Professor in Computing & Informatics

Citations	8575	3307
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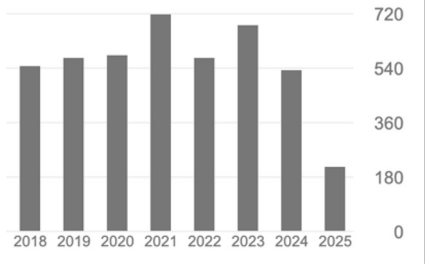
i10-index	137	90



Clarkson
MICHIGAN STATE UNIVERSITY
WestVirginiaUniversity
idiap RESEARCH INSTITUTE
University at Buffalo The State University of New York
UNIVERSITY OF NORTH CAROLINA CHARLOTTE

CHARLOTTE
COLLEGE OF COMPUTING AND INFORMATICS

Thank you

College of Computing and Informatics (***CCI***), cci.charlotte.edu

Summer Meeting 2027

1. Schloss Blankensee – Precise Schwielowsee
2. Harnackhaus
3. Belvedere auf dem Pfingstberg

Communication and Outreach Committee

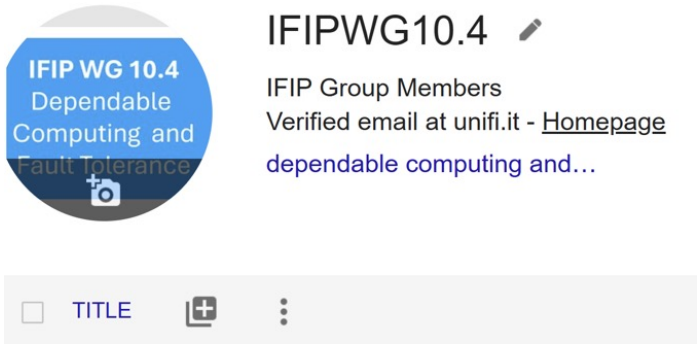
IFIP WG 10.4 – June 2025

Members: Homa Alemzadeh, Antonio Casimiro, Andrea Ceccarelli, Marcus Völp, Jiangshan Yu

Works of the Committee – short recap

- First meeting: 3 April 2024
- Most recent: 8 May 2025 (approx. one year of activities)

Item 1



google scholar account

Item 2

- Antonio Casimiro (casim@di.fc.ul.pt)
  University of Lisboa (Portugal)
- Andrea Ceccarelli (andrea.Ceccarelli@unifi.it)
  University of Florence (Italy)

Check link to your web pages on IFIP WG website!

Item 3

Linkedin page maintained
→ Next slide

Linkedin page - discussion

Aside re-posting (CfPs/news), we tried to create new content

- Relying on the active contribution of members!

IFIP WG - Communication and Outreach - next Linkedin post in few days

Esterni | Posta in arrivo × | IFIP ×

Andrea Ceccarelli <andrea.ceccarelli@unifi.it> mar 10 giu, 09:54

a wg10.4

Dear Members,

Please do not forget to contribute filling the form with your achievements in the past months.

We plan to create a new linkedin post before the summer workshop.

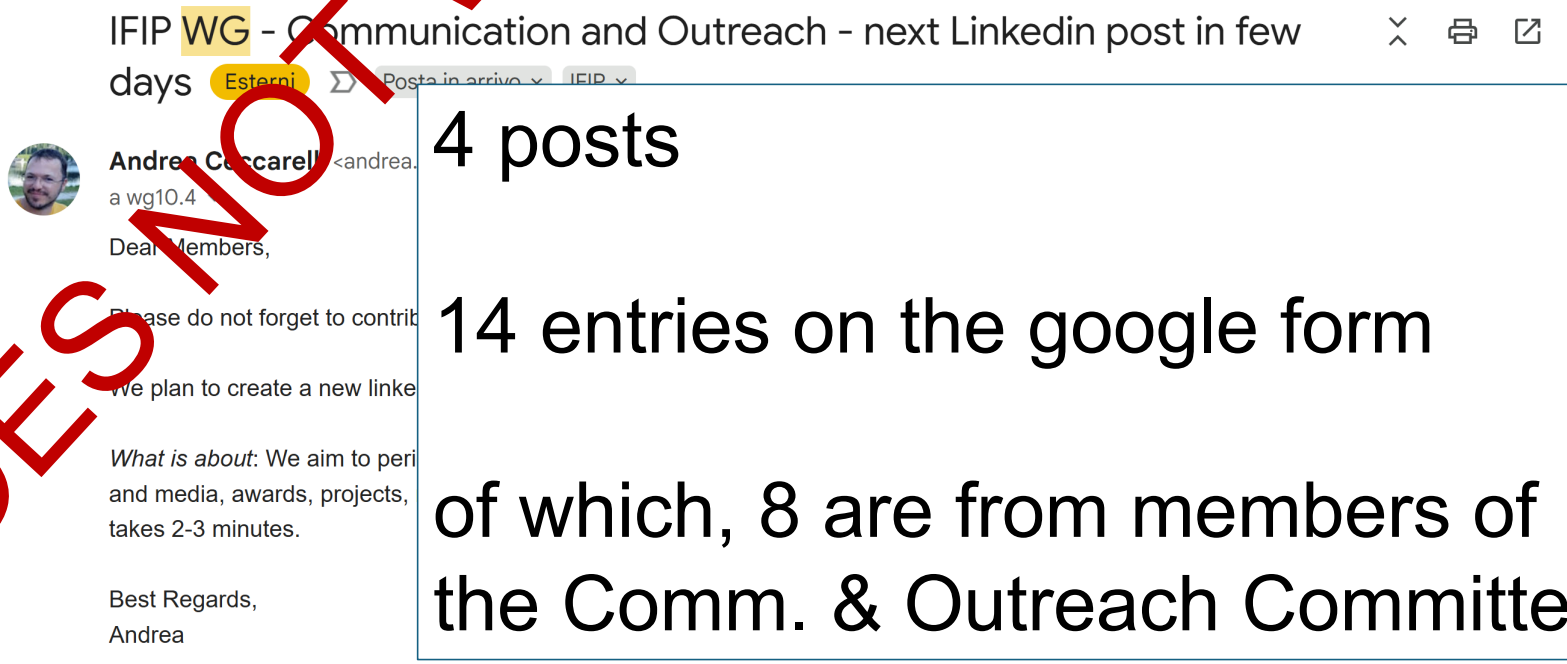
What is about: We aim to periodically report members' activities and achievements on the Linkedin page (upcoming events, recent news and media, awards, projects, relevant papers, keynotes, etc.). Contribution is provided on a voluntary basis using a simple form, and just takes 2-3 minutes.

Best Regards,
Andrea

Linkedin page - discussion

Aside re-posting CfPs, we tried to create new content

- Relying on the active contribution of members!



4 posts

14 entries on the google form

of which, 8 are from members of the Comm. & Outreach Committee

DOES NOT WORK

So what? Let's try pushing a bit more…

Periodic news. Maintain the "news collection", sending reminders every 2-3 months as it is now.

- *Requires the help of all members*

IFIP WS summaries. Repackaging existing content, especially summarizing key discussions from our meetings, to be posted on Linkedin, web site, and possibly sent to IFIP news

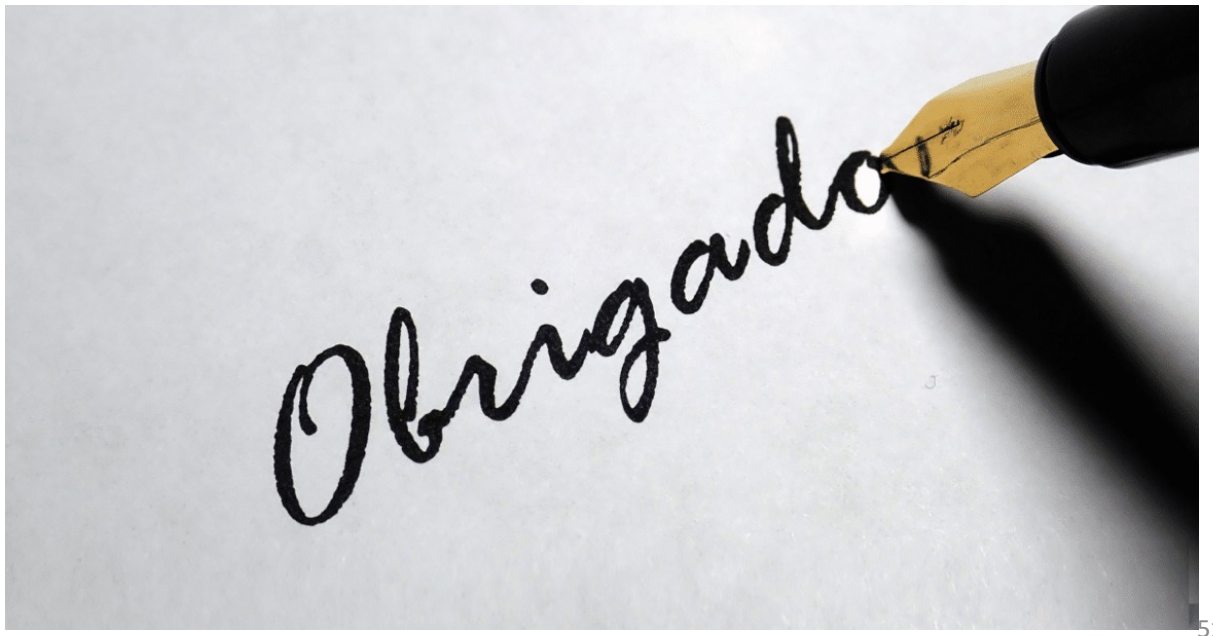
- *Requires the help of rapporteurs and/or speakers*

Members spotlight (question-based): new members can present a text/paragraph to introduce themselves. Members becoming emeritus may answer questions about their years in the WG, vision, etc.

- *Again, requires the collaboration of members*

Second part

Restricted to members of the WG!




Obrigado