INTERNATIONAL ASSOCIATION OF CRANIOFACIAL IDENTIFICATION (IACI) CONFERENCE 2022

HOSTED BY FACE LAB AT LIVERPOOL JOHN MOORES UNIVERSITY

28-30 July 2022

Theme: Knowledge Transfer; presentation, ethics, bias and expectation

Arrival on Thursday 28 July

Pre-conference workshops (1-4pm):

- Workshop 1 – Digital technology in Liverpool Fab Lab

- Workshop 2 – Identification of skull fragments

Evening reception 7-9pm, Location tbc.

Day One – Friday 29 July

- Delegate registration from 8.30am
- 09.30: Opening talks from city, university and host
- 10.00: Plenary speaker 1 – Forensic Art: Kathryn Smith, University of Stellenbosch
- 10.30 – 12.15: Scientific session 1 – Facial identification of the dead
    1. *Identification methods of deceased at the Dept of Forensic Medicine, University of Copenhagen.* Niels Lynnerup, University of Copenhagen
    2. *Fundamentals of the likelihood ratio and its application to evaluate craniofacial superimposition evidence.* Sergio Damas, University of Granada
    3. *Landmark comparison of the alar region in the prediction of the ala of the nose using post-mortem computed tomography images.* Hajime Utsuno, Tokyo Medical and Dental University
    4. *The Relationship among Soft Tissue Dimensions of the Nose and Mouth between the Sexes and Population Groups in the Southern United States.* Ginesse Listi, Louisiana State University
    5. *A preliminary study exploring morphological and locational relationship between mastoid process and ear.* Won-Joon Lee, National Forensic Service, Seoul
- 12.15-14.00: Poster session throughout lunch
- 14.00: Plenary speaker 2 – Maxillofacial Surgery: Christian Duncan, Alder Hey Children's NHS Foundation Trust, Liverpool
- 14.30-16.00: Scientific session 1 – Facial anthropology and heritage
    1. *The Face of King Robert II of Scotland (Robert the Bruce).* Caroline Wilkinson and Mark Roughley, Liverpool John Moores University
    2. *Gallows in Lower Silesia (Poland) in the modern era: interdisciplinary research on the skeletal remains of victims from Miłków and Żagań execution sites.* Dorota Lorkiewicz-Muszyńska, Poznan University of Medical Sciences
    3. *The affordances of 3D imaging modalities for forensic facial identification.* Mark Roughley and Jessica Liu, Liverpool John Moores University

4. *Case study: A comparison of predicted mandible of facial depiction of a Guanche child from the summit of Tenerife (Canary Islands).* Maria Castaneyra-Ruiz, Sarah Shrimpton, Caroline Wilkinson (Liverpool John Moores University), Selene Rodríguez Caraballo, Matilde Arnay de la Rosa, and Alejandra C. Ordóñez (University of La Laguna)
5.

- 16.15: Tour of Face Lab and Scenes of Crime Centre
- 19.00: Evening social event – Liver tour then restaurant

Day two – Saturday 30 July

- 09.00-10.00: Student presentations - tbc
- 11.00: Plenary speaker 3 – Facial Composites: Charlie Frowd, University of Central Lancashire
- 11.30-12.50: Scientific session 3 – Facial identification of the living
    1. *Multivariate GWAS identifies 30 independent genetic loci involved in normal-range 3D cranial vault shape*. Seppe Goovaerts, Catholic University of Leuven
    2. *Performance of Automated Age Estimation Methods in Images of Subad*ults. Petra Urbanova, Masaryk University
    3. *Geometric Scaling of the Soft-Tissue Human Face.* Carl Stephan, University of Queensland
    4. M*aking Fugitive: imagining 'runaways' via forensic facial imaging*. Pearl Mamathuba, Kathryn Smith and Karl Bergemann (Stellenbosch University)
    5.
- 12.50: Lunch – suggested visit to Liverpool Metropolitan Cathedral Crypt
- 12.50: IACI Board of Governors Lunch Meeting
- 14.30: Plenary speaker 4 – Knowledge transfer: Ginnesse Listi, Louisiana State University
- 15.00-16.45: Scientific session 4– Knowledge transfer
    1. *'The way into the bigger story': the role of facial depiction in the Sutherland Restitution Initiativ*e. Kathryn Smith (Stellenbosch University), Caroline Wilkinson (Liverpool John Moores University), Victoria Gibbon and Tinashe Mutsvangwa (University of Cape Town)
    2. *Bias in Forensic Art: Monsters or Magic*? Larry J. Livaudais, Louisiana State University
    3. *Panacea Cooperative Research, a knowledge transfer project intended to revolutionize craniofacial identification.* Oscar Ibáñez, University of A Coruña
    4. *Misrepresentation and Dignity of the Deceased: The Ethical Implications of Utilizing Facial Approximations and Enhanced Post-mortem Images in the Public Domain.* Teresa V. Wilson, Louisiana State University
    5. *Population bias in multi-template based automated facial approximation.* Dirk Vandermeulen, Catholic University of Leuven
- 16.45: Closing remarks and prizes
- 17.00: Closing of conference
- 19.00: Conference dinner

Sunday 31 July

Post-conference tours available

The Host: Face Lab @LJMU

Face Lab, led by Professor Caroline Wilkinson, is a research group that carries out forensic/archaeological research and consultancy work, including craniofacial analysis, facial depiction and forensic art. Face Lab specialises in facial identity, population demographics, portraiture and depiction. From skeletal remains, death masks and portraits, we analyse, authenticate and/or depict the faces of key historical figures. This work has directly influenced current research into digital human representation, especially in relation to the creation of 3D facial avatars and facial recognition.

Face Lab awards include:

- [Educate North Award](). (2019) Research Team of the Year
- **[Heritage Project Award]()** (2018) for Exercise MAGWICH, Ministry of Defence Sanctuary Awards, presented to Operation Nightingale (DIO) and Face Lab (LJMU), Ministry of Defence.
- **[Silver Otter Award]()** (2018) for Exercise MAGWICH, Ministry of Defence Sanctuary Awards, presented to Operation Nightingale (DIO) and Face Lab (LJMU), Ministry of Defence.

Face Lab People

Professor Caroline Wilkinson
Director
Background:
Anatomy, facial anthropology,
forensic and medical art

Dr Jessica Liu
Project Manager
Background:
Forensic anthropology,
forensic facial identification

Dr Sarah Shrimpton
Post Doctoral Research Assistant
Background:
Fine Art, forensic art, facial recognition,
facial anthropology

Mark Roughley
Lecturer 3D Digital Art
Background:
Illustration, medical illustration,
3D modelling, animation

Martina Pizzolato
PhD Researcher
Background:
Forensic anthropology,
Disaster victim identification

Isabel Burton
PhD researcher
Background:
Forensic anthropology,
forensic facial identification

Dr Maria Castaneyra-Ruiz
Post Doctoral Research Assistant
Universidad de la Laguna
Background:
Archaeology, forensic anthropology
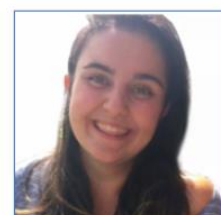
Elysia Greenway
PhD Researcher
Background:
Archaeology, forensic
anthropology, forensic art