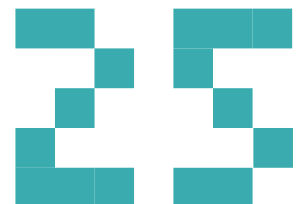


The BNU Research Conference 2025

Empowering Inclusive Research

- Empowering** Art, Design and Creativity
- Empowering** Healthcare and Social Care
- Empowering** Engineering and the Digital Industries
- Empowering** Security and Law
- Empowering** Business, Travel and Tourism
- Empowering** Health, Human and Social Services
- Empowering** Postgraduate Research



WHEN
8.15am - 5pm
Wednesday 2 July 2025



**BUCKINGHAMSHIRE
NEW UNIVERSITY**
EST. 1891

WHERE
The Atrium
High Wycombe Campus
Buckinghamshire New University

Welcome

I'm incredibly proud to look back on the success of last year's BNU Research and Enterprise Conference. Seeing the enthusiasm and dedication of our research community firsthand was truly inspiring, and it reinforced for me just how valuable it is to come together each year to celebrate the wide range of research happening across BNU.

The feedback we received after last year's event made it clear that there's a real desire for a platform to showcase BNU's research in all its diversity. That's why, this year, we've refocused the event as a dedicated Research Conference—a full day of research presentations, networking opportunities, and thought-provoking discussions. I'm excited about the chance this gives us to highlight the incredible variety of scholarly work taking place at BNU.

This year's conference is built around the themes of empowerment and inclusivity. For me, research at BNU has always been about community—about building connections, supporting one another, and fostering a collaborative environment where everyone's work is valued. I'm passionate about BNU continuing to nurture these relationships and ensuring that our research community remains open, welcoming, and supportive.

I hope you enjoy today's sessions, which truly reflect our commitment to empowering and inclusive research in every form. Thank you for being here, for sharing your work, and for helping to make BNU's research community such a vibrant and inspiring place.

Professor Florin Ioras

Director of Research and Enterprise



Schedule

8.15am – 8.50am	Conference Registration (Atrium)			
9am – 9.15am	Opening Remarks: Professor Damien Page, Vice-Chancellor (Gateway Lecture Theatre)			
9.15am – 9.45am	Opening Keynote: Adetoro Adeyemi Adegoke, Professor in Health Inequalities (BNU) (Gateway Lecture Theatre)			
Morning Sessions	Empowering Art, Design and Creativity	Empowering Business, Travel and Tourism	Empowering Engineering and the Digital Industries	Empowering Health, Human and Social Sciences
10am – 10.25am	Presentation 1.1 Room N3.06	Presentation 2.1 Room S3.02 A/B	Presentation 3.1 Room N4.06	Presentation 4.1 Room S3.01
10.30am – 10.55am	Presentation 1.2 Room N3.06	Presentation 2.2 Room S3.02 A/B	Presentation 3.2 Room N4.06	Presentation 4.2 Room S3.01
11am – 11.30am	Refreshment Break (Atrium)			
11.40am – 12.05pm	Presentation 1.3 Room N3.06	Presentation 2.3 Room S3.02 A/B	Presentation 3.3 Room N4.06	Presentation 4.3 Room S3.01
12.10pm – 12.35pm	Presentation 1.4 Room N3.06	Presentation 2.4 Room S3.02 A/B	Presentation 3.4 Room N4.06	Presentation 4.4 Room S3.01
12.40pm – 1.15pm	Presentation 1.5 Room N3.06	Presentation 2.5 Room S3.02 A/B	Presentation 3.5 Room N4.06	Presentation 4.5 Room S3.01
1.15pm – 2.30pm	Lunch and Networking (Atrium) Poster and Practice-Based Research Exhibition (Winter Garden) Heritage Walk (Alan Hockley) (12.45pm – 2.00pm) Establishing your Crowdhelix Profile (S3.01) (1.30pm – 2.15pm) Individual Crowdhelix Support Slots (S3.02A/B) (2:30pm – 4.00pm)			
Afternoon Sessions	Empowering Postgraduate Research: The Postgraduate Student Colloquium	Empowering Healthcare and Social Care	Empowering Security and Law	
2.30pm – 2.55pm	PGR Presentation 1 Room S3.01	Presentation 5.1 Room N3.06	Presentation 6.1 Room N4.06	
3pm – 3.25pm	PGR Presentation 2 Room S3.01	Presentation 5.2 Room N3.06	Presentation 6.2 Room N4.06	
3.30pm – 3.55pm	PGR Presentation 3 Room S3.01	Presentation 5.3 Room N3.06	Presentation 6.3 Room N4.06	
4pm – 4.30pm	PGR Presentation 4 Room S3.01	Presentation 5.4 Room N3.06	Presentation 6.4 Room N4.06	
4.30pm – 5pm	Closing Remarks and Research Poster / Postcard Competition Winner Announcement: Professor Florin Ioras, Director of Research and Knowledge Exchange (Gateway Lecture Theatre)			

Keynote Speaker



Professor Adetoro Adeyemi Adegoke

Professor in Health Inequalities

Associate Dean, Research and Knowledge Exchange

Director, Centre for Excellence in Health Inequalities

Buckinghamshire New University

Professor Adetoro Adegoke works at Buckinghamshire New University as Professor of Health Inequalities and as the Director of the Centre for Excellence in Health Inequalities. Her work focuses on reducing health inequalities, improving health, strengthening health care systems and strengthening the capacity of health training institutions. She has over 26 years' experience in health care delivery, higher education teaching and learning and training, including over 16 years consulting experience in international development and in leading multi-country research including in fragile or post-conflict states, with a special focus on health and wellbeing, equitable health, quality education, gender equality and women and girls' empowerment.

Professor Adegoke has extensive experience providing Reproductive Maternal Newborn and Child Adolescent Health (RMNCAH) technical assistance and leading health programmes in 17 Low- and Middle-Income countries in Africa, Asia and South America, as well as having extensive experience of initiating, developing, implementing and evaluating research in many countries including leading multi-country research as Principal Investigator across Africa and Asia. Professor Adegoke is an internationally well-recognised expert in the field of global public health and a thought leader in reproductive health, maternal health and maternal mortality among many other areas. As a thought leader in global health, she has been a force for developing and implementing policies to reduce health inequalities and for framing access to health and education, and has led dialogues about equity, equality, inclusion, social justice and social impact.

High Wycombe Heritage Trail Walk



Begins in Room S3.01 at 12.45pm

Dr Alan Hockley

Lecturer in Education

Buckinghamshire New University

To inject a bit of authenticity into the presentation of the High Wycombe Heritage Trail project, we wanted to offer those conference delegates who have pre-booked the opportunity to walk a short 1.5km section of the route, with the rationale that the best way for people to get a sense of its eventual content is to download and follow the trail app. Furthermore, some of the individuals involved in creating the project will be on hand to chat to and to provide further guidance along the way.

Therefore, this will not be a conventional, static presentation but a peripatetic one giving you the opportunity to have a walk, get a breath of fresh air and discover a little about some heritage sites of Wycombe along the way. We'll be setting off from S3.01 at about 12.45pm and since we will be out during the first part of the lunch break, packed lunches will be provided. We should be back by about 2.00pm, so you will still have the opportunity for some networking and viewing the research presentations.

Venue Information

The Atrium

The Atrium is the central hub for the Research Conference, with breakout sessions and lunch taking place here. Catering will be provided throughout the day, and please feel free to use the space outside of the planned sessions for networking, catching up, or taking a breather.

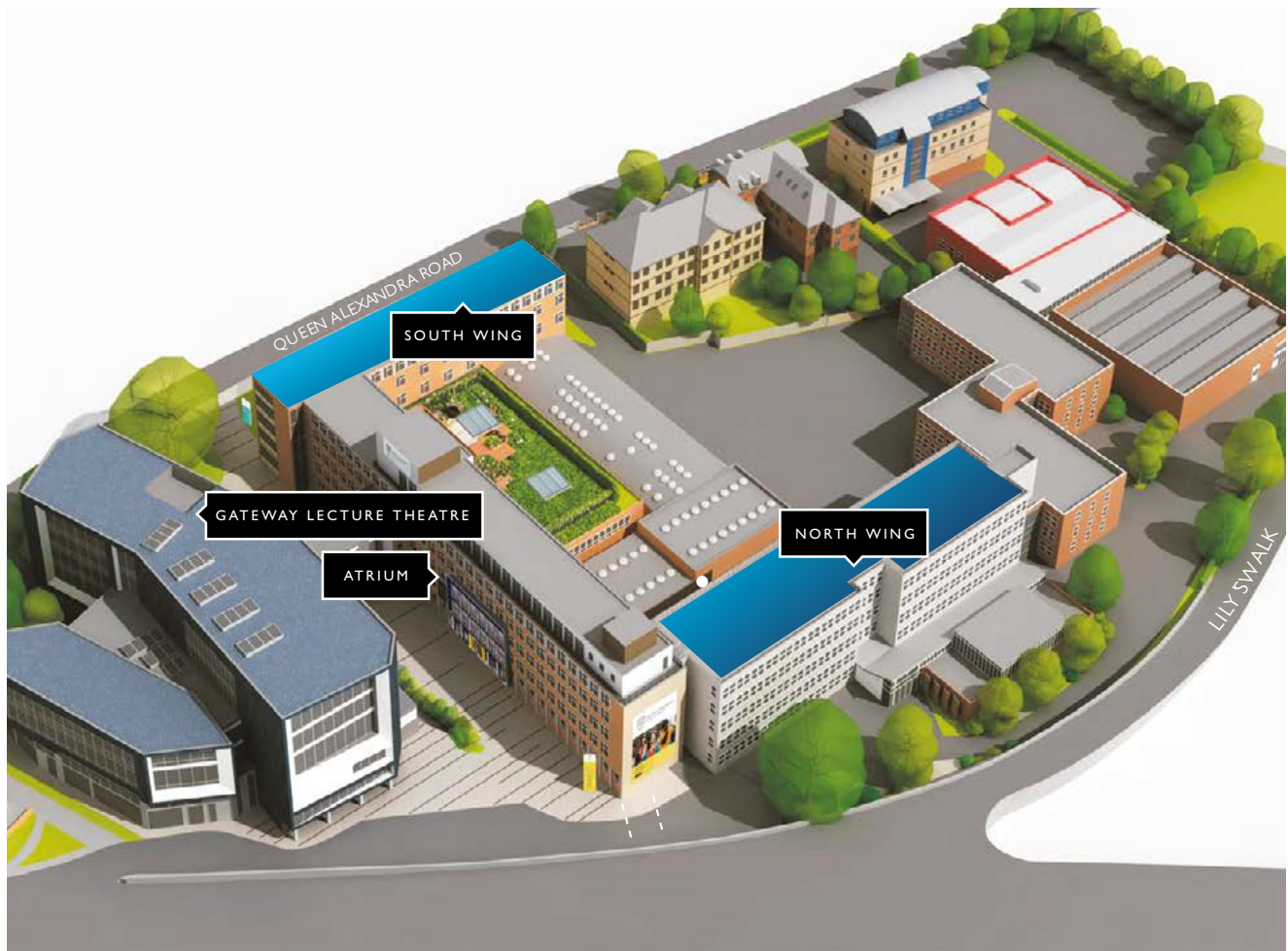
Wi-Fi Access

If you require access to the Guest Wi-Fi, please ask for login details at the Conference reception.

Presentation Sessions

Presentation sessions are held in the North Wing and South Wing. Please refer to the map below for reference. To find the rooms where the presentations and workshops will be taking place, please use either the lift or the stairs by the main entrance to travel to the third or fourth floor as required. The South Wing is to the left on exiting the lifts, and the North Wing is to the right.

For the opening and closing sessions of the Conference the Gateway Lecture Theatre is located in the main building directly opposite the Atrium entrance.



Session One: Empowering Art, Design and Creativity

Room N3.06

This session is chaired by Dr Rafid Al-Khannak and Dr Johnny Issapour.

Presentation 1.1

10am – 10.25am

Dr Johnny Issapour

The investigation into the extent in which AI (Artificial intelligence) will have on Stop-motion animation production.

Presentation 1.2

10.30am – 10.55am

Dr Safa Tharib

Modular AI in Life Simulation: A Plugin-Based Framework for Emergent, Multi-Agent Environments.

11am – 11.30am

Break

Presentation 1.3

11.40am – 12.05pm

Dr Alexandra Murphy

Considering photographic poesis as an empowering and inclusive methodological approach for the practice-researcher.

Presentation 1.4

12.10pm – 12.35pm

Nuraan Petersen

Decolonising Fashion Education: Activating passive spaces through the white shirt project.

Presentation 1.5

12.40pm – 1.15pm

Esin Turkaslan

Standardising OSCEs in Physician Associate Education: Enhancing Fairness, Reliability and Research-Informed Assessment Culture.

Session Two: Empowering Business, Travel and Tourism

Room S3.02A/B

This session is chaired by Dr Leah Fox and Dr Naz Ali.

Presentation 2.1

10am – 10.25am

Liz Bridgen

with Professor Sarah Williams

Using 'photos as elicitation' as a research method. A live demonstration of its use in understanding gender and power dynamics in the public relations industry.

Presentation 2.2

10.30am – 10.55am

Dr Uchenna Nweke

Achieving Effective Stakeholder Accountability in the Independent Church Sector: A Tripartite Partnership Approach.

11am – 11.30am

Break

Presentation 2.3

11.40am – 12.05pm

Tooba Asif

The Experiences of Pakistani Women in Business Entrepreneurship.

Presentation 2.4

12.10pm – 12.35pm

Sandya Sri Kanuri

with Dr Rafid Al-Khannak

Reducing Financial Sector Security Challenges by Implementing Zero Trust Architecture (ZTA) in AWS Hybrid Cloud Environment.

Presentation 2.5

12.40pm – 1.15pm

Fayaz Khan

with Dr Rafid Al-Khannak

Utilising the Zero Trust Risk Assessment Framework (ZTRAF) to enhance AI-Driven Cloud Services in multi Cloud Platforms.

Session Three: Empowering Engineering and the Digital Industries

Room N4.06

This session is chaired by Professor Kit Zhang and Dr Benjamin Aziz.

Presentation 3.1

10am – 10.25am

Dr Estabraq Makiyah

Self-Healing Intent-Based Networking: A Machine Learning Approach for Autonomous Fault Recovery.

Presentation 3.2

10.30am – 10.55am

Ravinder Kaur

Enhancing Engineering Participation Through Blended Learning.

11am – 11.30am

Break

Presentation 3.3

11.40am – 12.05pm

Dr Rafid Al-Khannak

with Duneesha Hewa

AI-Driven Phishing Detection by utilising Natural Language Processing (NLP) to Enhance Phishing Intelligence on X (Twitter).

Presentation 3.4

12.10pm – 12.35pm

Gunjan Gupta

with Dr Rafid Al-Khannak, Dr Benjamin Aziz and Dr Shahadate Revzy

Developing a Security Framework for IoT Devices in the Healthcare Sector: A Focus on the NHS UK.

Presentation 3.5

12.40pm – 1.15pm

Dr. Rajesh Madarkar

with Professor Sabuj Mallik

FEM-Guided Design and Validation of High-Precision Ultrasonic Horns for Advanced Manufacturing Applications.

Session Four: Empowering Health, Human and Social Sciences

Room S3.01

This session is chaired by Professor Arinola Adefila and Dr Kevin Campbell-Karn.

Presentation 4.1

10am – 10.25am

Professor Adetoro A Adegoke
with Elizabeth F Ojo, Dionne Spencer
and Adeniran Afolalu

Breaking Barriers: A Comparative Analysis of Women's Leadership in Higher Education in Nigeria and the UK.

Presentation 4.2

10.30am – 10.55am

Alexandra Constantinescu
with Dr Naz Ali

Improving access to nutritious food for migrants from disadvantaged backgrounds: A Rapid Evidence Assessment.

11am – 11.30am

Break

Presentation 4.3

11.40am – 12.05pm

Dr Ciaran O'Keeffe
with Katrina Heath and Dr Nicola Mallowan

Ethical Scoping of a Sensitive Archive: Facilitating Inclusive and Widening Knowledge Exchange.

Presentation 4.4

12.10pm – 12.35pm

Timothy Ishaku
with Dr Yetunde Dairo and Dr Fiona McCormack

Exploring perspective of stroke survivors about sedentary behaviour.

Presentation 4.5

12.40pm – 1.15pm

Dr Alan Hockley
with Dr Fiona McCormack

The High Wycombe Heritage Trail: researching the use of a smartphone app to promote walking for health and engagement with place.

This session is available to those who have signed up in advance.

Session Five: Empowering Healthcare and Social Care

Room N3.06

This session is chaired by Professor Adetoro Adegoke and Dr Ben Clayton.

Presentation 5.1

2.30pm – 2.55pm

Professor Adetoro Adegoke
with **Dr Nicola Mallowan, Alison Pearce,**
Susan Perryman and Karen Ferguson

A Transdisciplinary Exploration of
Commercial Sex Work in the Local
Community: Examining Health, Wellbeing,
and Social Justice.

Presentation 5.2

3pm – 3.25pm

Margaret Rioga

Inclusivity in Practice Education: The
Views and Experiences of Nurse Educators
Supporting Nursing Students With Mental
Health Needs in Mental Health Clinical
Placements.

Presentation 5.3

3.30pm – 3.55pm

Dr Kevin Campbell-Karn

Current clinical assessment of patellofemoral
alignment in patients with anterior knee pain
Healthcare and Social Care.

Presentation 5.4

4pm – 4.25pm

Susan Perryman

with **Professor Adetoro Adeyemi Adegoke,**
Dr Nicola Mallowan and Alison Pearce

The Inclusive Nature of Community-Driven
Research: Exploring Health and Social
Inequalities Among Commercial Sex Workers
Health, Human and Social Sciences.

Session Six: Empowering Security and Law

Room N4.06

This session is chaired by Sukhninder Panesar and Beverley Griffiths.

Presentation 6.1

2.30pm – 2.55pm

Mohamed Omar Mohamed

An Investigation into the Underrepresentation of Ethnic Minority Police Officers in Specialised Units in United Kingdom (UK) Police Services.

Presentation 6.2

3pm – 3.25pm

Dr Rachel Tate

with Dr Joel Weaver and Evans Gitonga

Action-research to address current development funds shortfall as it relates to environmental & food security.

Presentation 6.3

3.30pm – 3.55pm

Beverley Griffiths

Complexity of Ethical Decision Making for UK Emergency Managers – How truthfully?

Presentation 6.4

4pm – 4.25pm

Clive Blackwell

A Novel Multidomain Argumentation Framework for Legal Analysis.

Empowering Postgraduate Research: The Postgraduate Student Colloquium

Room S3.01

This session is chaired by Dr Anahita Malek and hosted by Laura Bray.

PGR Presentation 1

2.30pm – 2.55pm

Sonja Cimelli

Breaking's Olympic Baptism of Fire; the Influence of the Judging System on Breaking's Olympic Legacy.

PGR Presentation 2

3pm – 3.25pm

Daniel Riley

'The monochrome man'

An exploration into Dennis Nilsen's lived experiences of a paraphilic disorder and its origins.

PGR Presentation 3

3.30pm – 3.55pm

Evans Gitonga

The Nature of Environmental Security in Foreign Relations: The Case of Anglo-Kenyan Foreign Policy in the Twenty-First Century.

PGR Presentation 4

4pm – 4.25pm

Bridget Makande

Dissecting the anatomy of social risk: disentangling the health inequalities in the UK through the Intersectional Risk Lens.




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