AZEEZ ADEWALE HAMZAT

PhD Student in AI-facilitated Collective Intelligence
TCD-TUD Centre for Sociology of Humans and Machines (SOHAM)
Technological University Dublin, Ireland

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RESEARCH INTERESTS

Collective Intelligence & Group Decision-Making • Bias Mitigation in Groups and Algorithms • AI & Human Collaboration • Participatory & Structured Forecasting • Behavioral & Cognitive Science in Group Settings • Social Computing & Online Communities • Computational Social Science • Sustainability & Climate Policy • Cross-cultural Perspectives in AI Research

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EDUCATION

PhD in AI-facilitated Collective Intelligence | 2025 – Present
Technological University Dublin, Ireland

- Joint program at TCD-TUD Centre for Sociology of Humans and Machines (SOHAM)
- Full doctoral fellowship
- Focus: AI-facilitated collective intelligence and bias in group decision-making from sociological perspectives

Master in Collective Intelligence | 2020 – 2022
Mohammed VI Polytechnic University (UM6P), Morocco

- Ibn Rochd Excellence Scholarship Recipient
- Thesis: *"A Community Knowledge-Based Assessment of Smallholder Farmers' Perception of Cluster Farming and its Potential Role in Sustainable Accessibility to Farmer-Centric Support in Nigeria"*
- Published as preprint (DOI: 10.5281/zenodo.7678799)

Bachelor of Technology in Crop and Environmental Protection | 2009 – 2014
Ladoke Akintola University of Technology (LAUTECH), Nigeria

- Focus: Systems thinking, environmental analysis, sustainable agricultural practices

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PROFESSIONAL EXPERIENCE

PhD Student | July 2025 – Present
Technological University Dublin, Ireland

- Conducting doctoral research on AI-facilitated collective intelligence and bias in group decision-making
- Examining sociological dimensions of human–machine interaction in collaborative contexts

Outreach Officer | March 2023 – September 2025
Africa Initiative, Mohammed VI Polytechnic University (UM6P), Morocco

- Facilitated sustainable development initiatives across Africa through strategic partnerships
- Co-organized several high-level events with academic institutions, and departments
- Coordinated brainstorming sessions and collaborative workshops for international students
- Produced 100+ weekly newsletters and maintained departmental website

Research Intern | February 2022 – August 2022
OCP Africa, Morocco

- Conducted empirical research on farmer decision-making under uncertainty
- Analyzed agricultural extension systems using mixed methods
- Developed stakeholder mapping protocols and contributed to policy recommendations

Note-Taker & Technical Support Specialist | September 2021 – December 2021
Innovation for Policy Foundation (i4Policy)

- Assisted in policy foresight research and tracked Delphi-like participatory policy discussions

Packaging Supervisor | September 2017 – January 2021
Olam International, Nigeria

- Managed animal feed packaging operations; supervised 15+ staff across multiple shifts

- Implemented process improvements reducing waste by 12%

PUBLICATIONS & RESEARCH OUTPUT

Preprints

Hamzat, A.A. (2022). *A Community Knowledge-Based Assessment of Smallholder Farmers' Perception of Cluster Farming and its Potential Role in Sustainable Accessibility to Farmer-Centric Support in Nigeria. Research Square* [Preprint]. https://doi.org/10.5281/zenodo.7678799

Works in Progress

- *Africa's Emissions Trajectory: A Global Analysis* – Analysis of emission trends across 54 African countries (data analysis phase)
- *Modeling Misinformation's Transmission and Transformation* – Agent-based computational model of misinformation spread through social networks (early development)

RESEARCH PROJECTS

AI-facilitated Collective Intelligence and Bias in Group Decision-Making | 2025 – Present
PhD Research, TU Dublin

- Exploring how AI systems influence collective decision-making across social contexts
- Investigating bias emergence when groups interact with AI-facilitated tools
- Examining sociological dimensions of human–machine collaboration

Community Knowledge-Based Assessment of Cluster Farming | 2022
Master's Thesis, UM6P

- Investigation of collective intelligence principles in agricultural decision-making among Nigerian smallholder farmers
- Published as preprint on Zenodo

Youth Employability Program Evaluation | 2021
Randomized Controlled Trial, Morocco

- Evaluated youth employability interventions using experimental methods

SKILLS & COMPETENCIES

Research Methods:
Quantitative (survey design, statistical analysis, experimental design, RCTs) • Qualitative (interviews, focus groups, participatory action research) • Mixed Methods • Computational (agent-based modeling, network analysis, data visualization)

Technical Skills:
Python • R • Qualitative data analysis tools

Domain Expertise:
Collective Intelligence Methodologies • Participatory Research Methods • Structured Forecasting (Delphi, Scenario Planning) • Stakeholder Engagement • Cross-cultural Communication • Event Organization & Facilitation

Languages:
English (Fluent) • Arabic(Conversational) • French (Beginner) • Yoruba (Native)

HONORS & AWARDS

Full Doctoral Fellowship | 2025
Technological University Dublin

Ibn Rochd Excellence Scholarship | 2020 – 2022
Mohammed VI Polytechnic University (merit-based scholarship for Master's program)

SERVICE & OUTREACH

- Facilitated 50+ international partnerships across African institutions (2023–2025)
- Organized 25+ high-level events with government officials, academics, and NGOs
- Produced 100+ weekly newsletters for departmental communications
- Coordinated brainstorming sessions and collaborative workshops for regional partnerships

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ACADEMIC PROFILE

Research Focus:
My research explores how artificial intelligence can facilitate collective intelligence while

addressing bias in group decision-making. I bring cross-cultural perspectives informed by experiences across Nigeria, Morocco, and Ireland. My work is grounded in the sociology of technology and human–machine interaction, examining how AI systems can support collaborative thinking while being attentive to social, cognitive, and structural challenges.

Interdisciplinary Background:
My academic journey spans agricultural science, collective intelligence, and sociology of AI-enabling me to approach collective intelligence questions from multiple perspectives, combining systems thinking, collective intelligence frameworks, and sociological insights.

REFERENCES

Available upon request