



## DSA SUMMER SCHOOL PROGRAMME

2ND JUNE - 6TH JUNE



### MONDAY 2ND JUNE

8:30  
9:15

**Opening Remarks**  
1. General Chair -  
2. Program Overview -  
3. University of Ibadan

9:15  
10:00

Responsible AI: Balancing Innovation  
and Ethical Considerations - **Prof.  
Adenike Osofisan**

10:30  
11:00

TEA BREAK

11:00  
13:00

Introduction to NLP - **Lyngua Labs**

Introduction to Computer Vision - **Dina  
Machuve**

Leveraging TinyML for Responsible and  
Sustainable Smart Agriculture in  
Low-Resource Environments - **Segun  
Adebayo**

13:00  
14:00

LUNCH BREAK

14:00  
16:00

AI in Health - **Ajibade and Adesina**

Risk and Fraud Detection Analytics with  
R - **Prof Olubusoye**

Practical session on Multimodal AI:  
Combining Text, Audio & Images for  
Richer AI Models - **DSN/EqualyzAI**

16:00  
16:30

TEA BREAK

16:30  
17:30

Introduction to version control: Git and  
GitHub - **Dr Adeleke Bankole  
University of Cambridge UK**

### TUESDAY 3RD JUNE

8:30  
9:15

Agile Data Governance in Africa  
**Mourine Amutorine**

AI for Livestock health  
**Daniel Mtembesa - Makerere  
University**

Meaningful, Informed and Beneficial  
Participation in the Development and  
Utilisation of Artificial Intelligence for  
African Communities - **Thiga Moses**

9:15  
9:50

TITLE TBC: **Dr. Victor Odumuyiwa -  
University of Lagos**

Leveraging Cloud and Encryption for  
Nigeria's Open Data Gateway- **Dr.  
Olusola Ayoola (RAIN)**

**TITLE TBC Blessing Oladeji, Steve  
Asemota - Finance Octave Analytics**

10:30  
11:00

TEA BREAK

11:00  
11:45

Panel Session (Women in AI) **Prof.  
Yinka David-West, Dr Success Ojo,  
Ayodele Awe, Kemi Ariyo** to be moder-  
ated by **Zainab**

11:45  
13:00

When Accuracy Lies - **Dr Sakinat Folo-  
runso**

**TITLE TBC Blessing Oladeji, Steve  
Asemota - Finance Octave Analytics**

**Solomon Nsumba**-Makerere AI Health  
Lab, Ocular: Automated Mobile Disease  
Microscopy

13:00  
14:00

LUNCH BREAK

14:00  
16:00

**Ezekiel Ogundepo** - Automating Reproduc-  
ibility: Leveraging Quarto and AI for Data  
Science

Text-Number Conversion Library for African  
Languages Using Pynini  
**Samuel Rutunda - Digital Umuganda**

Towards Practical Human Pose Estimation:  
Knowledge Distillation for Lightweight and  
Deployable Models - **Clinton Mwangi Kuya,  
Ciira wa Maina**

13:00  
14:00

TEA BREAK

16:30  
17:30

Building Responsible AI Solutions for  
Credit Risk and Financial Planning in  
Emerging Economies - **Israel Odeajo**

Generative AI - **Prof. Onidfade**

TITLE TBC- **Femi Azeez,  
Head of Data Science at Pastel Africa**

### WEDNESDAY 4TH JUNE

8:30  
9:15

TITLE TBC **Girmaw Abebe, Microsoft AI  
for good reasearch Lab**

9:15  
9:50

TITLE TBC DSI -Africa - **Michelle**

TITLE TBC  
**Adetayo Bamiduro - MAX Co Ltd**

Real-Time Social Sensing and Situation-  
al Intelligence for National Security-Use  
Case of BHT - **Bridget**

10:30  
11:00

TEA BREAK

11:00  
11:45

DSA Hackathon

11:45  
13:00

Federated Learning - **Cecilia Adenusi**

TITLE TBC **MAX Co Ltd**

Why Automation matters - **Abd-Rash-  
eed Adeoye**

13:00  
14:00

LUNCH BREAK

14:00  
16:00

ExecuTorch , **George Gekov ARM**

Robert John - **IoT / Hardware**

Map by Feel: Perceptual Modes for  
Life-Like Navigation in Robots- **David  
Wachira Warutumo, Ciira wa Maina**

16:00  
16:30

TEA BREAK

16:30  
17:30

How We Are Building AI Expertise Across  
Africa - **Tejumade Afonja CISPA Helm-  
holtz Center for Information Security**

## DSA WORKSHOP PROGRAMME

### THURSDAY 5TH JUNE

8:30  
9:00

Opening Remarks - **Deputy Vice-Chancellor Admin**

9:00  
10:00

TITLE TBC Key Note - **Neil Lawrence, University of  
Cambridge**

10:00  
10:30

**Talks:** AI for Agriculture (2 breakout sessions),

**Talks:** AI for Education/Finance(1 session)

10:30  
11:00

TEA BREAK / POSTERS

11:00  
12:00

**Talks:** AI for climate and Energy ( 2 breakout sessions)

**Talks:** NLP and Generative AI (2 breakout sessions)

12:00  
12:30

AI for governance in Africa, **Adeleke & Rachael Adam  
from Global centre from AI Governance**

12:30  
13:00

**Dr Ernest Mwebaze/Dr John Quinn - Sunbird AI**

13:00  
14:00

LUNCH BREAK / POSTERS

14:00  
15:00

**Keynote - Sanmi Koyejo | Caitlin Kraft**

15:00  
16:00

**Talks:** Data Science: Advancing women health - **Elaine  
Nsoesie** Boston University School of Public Health  
(5 breakout sessions)

16:00  
17:00

**Closing - Ceremony**