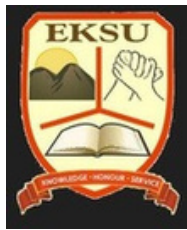


Conference - 2025

April 19th, 2025

Beyond the Cloud: Innovations in Big Data & Engineering Intelligence

Hosted by :



**University of Applied
Sciences, Lubeck, Germany
&
Ekiti State University, Ekiti
State, Ado-Ekiti, Nigeria.**

in collaboration with



Key note speakers



Prof. Ozgur Kisi

Event Co-Ordinator

University of Applied Sciences, Lubeck, Germany



Dr Ayodeji Fasiku

Event Co-Ordinator

Ekiti State University, Ekiti State, Ado-Ekiti, Nigeria.



Conference Overview

Beyond the Cloud: Innovations in Big Data & Engineering Intelligence” explores cutting-edge advancements in big data, AI, and smart engineering. This conference unites researchers and industry leaders to share innovations that transcend traditional cloud systems, driving intelligent solutions for tomorrow’s challenges through expert talks, workshops, and collaborative sessions.



Speaker Presentations – Morning Session

Opening SpeakerLine-Up

- 9:00 AM ET – Dr. Sherland Sheppard
Caribbean ResearchInstitute, Trinidad(Introduction)
- 9:05 AM ET – Prof. Ozgur Kisi
Applied Science University, Lübeck, Germany
- 9:20 AM ET – Dr. Fasiku Ayodeji
Ekiti State University, Nigeria
- 9:30 AM ET – Dr. Sherland Sheppard
Caribbean Research Institute, Trinidad
- 9:40 AM ET – Dr. Oluwaseyi Oke
University of the West Indies, St. Augustine
- 9:50 AM ET – Dr. Prashant Yadav Birbal Researcher,
University of the West Indies, St. Augustine
- 10:00 AM ET – Ms. Rhowena Ramdeen
Researcher, University of the West Indies, St. Augustine

Concurrent Sessions

Parallel Tracks: 10:15 AM – 11:30 AM ET

- 1.Session A: Data Engineering & Cloud Infrastructure
- 2.Session B: AI Applications in Research & Industry
- 3.Session C: Ethical and Sustainable Data Practices



Featured Tracks & Topics:

- **Big Data at Scale** : Real-time processing, lakehouses, federated learning & edge data.
- **Engineering Intelligence** : ML Ops, AIOps, intelligent automation & cloud-native architectures.
- **AI & Data Ethics** : Responsible AI, data sovereignty, and governance frameworks.
- **Infrastructure for Tomorrow** : Green computing, serverless trends, and hyper-automation.
- **Data-Driven Product Innovation** : Case studies from fintech, healthcare, retail, and logistics.

Sessions

Session A : PROF OZGUR KISI,
Applied Science university, Lubeck ,
Germany and Ms Rhowena Ramdeen,
Researcher, University of West Indies,
St. Augustine.

Session B: Dr Oluwaseyi Oke ,
Lecturer, University of West Indies, St.
Augustine.
and Dr Prashant Yadav Birbal , ,
Researcher, University of West Indies,
St. Augustine.

Session C : Dr Fasiku Ayodeji ,
Ekiti State University, Nigeria, and Dr
Sherland Sheppard, Caribbean
Research institute, Trinidad

Date & venue



Date

April 19th, 2025



Time

09:00AM EST



Platform

Googlemeet(Virtual Event)

BEYOND THE CLOUD: INNOVATIONS IN BIG DATA & ENGINEERING INTELLIGENCE

19 April, 2025

Hosted by

University of Applied Sciences, Lubeck, Germany

&

Ekiti State University, Ekiti State, Ado-Ekiti, Nigeria.

9:00 AM ET	●	(Introduction) Dr. Sherland Sheppard Caribbean Research Institute, Trinidad
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10:00 AM ET	●	Ms. Rhowena Ramdeen Researcher, University of the West Indies, St. Augustine

Join the Inauguration Meeting using this link

9:00 AM ET

Google Meet joining info
Video call link: <https://meet.google.com/sus-nfev-hdm>
pin=6527798008502

SESSION A

Data Engineering & Cloud Infrastructure

Parallel Tracks: 10:15 AM – 11:30 AM ET

Parallel Tracks	Data Engineering & Cloud Infrastructure
Session Google Meeting Link	https://meet.google.com/bec-cwyo-dmb
Timings	10:15 AM – 11:30 AM ET
Topic-IDs for Online Presentation	101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113
Session Chairs	PROF OZGUR KISI, Applied Science university, Lubeck, Germany & Ms Rhowena Ramdeen, Researcher, University of West Indies, St. Augustine

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9: 00 AM ET

Google Meet joining info
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pin=6527798008502

SESSION B

AI Applications in Research & Industry

Parallel Tracks: 10:15 AM – 11:30 AM ET

Parallel Tracks	AI Applications in Research & Industry
Session Google Meeting Link	https://meet.google.com/kgw-zuuz-vmf
Timings	10:15 AM – 11:30 AM ET
Topic-IDs for Online Presentation	201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212
Session Chairs	Dr Oluwaseyi Oke , Lecturer, University of West Indies, St. Augustine. & Dr Prashant Yadav Birbal , , Researcher, University of West Indies, St. Augustine.

BEYOND THE CLOUD: INNOVATIONS IN BIG DATA & ENGINEERING INTELLIGENCE

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10:00 AM ET	● Ms. Rhowena Ramdeen Researcher, University of the West Indies, St. Augustine

Join the Inauguration Meeting using this link

9:00 AMET

Google Meet joining info
Video call link: <https://meet.google.com/sus-nfev-hdm>
pin=6527798008502

SESSION C

Ethical and Sustainable Data Practices

ParallelTracks: 10:15AM–11:30AM ET

ParallelTracks	Ethical and Sustainable Data Practices
Session Google Meeting Link	https://meet.google.com/yzk-ytrh-qut
Timings	10:15 AM – 11:30 AM ET
Topic-IDs for Online Presentation	301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313
Session Chairs	Dr Fasiku Ayodeji , Ekiti State University, Nigeria & Dr Sherland Sheppard, Caribbean Research institute, Trinidad

SESSION A

Names	Titles
Abhishek Dodda	AI, Fintech, and Data Engineering: Building Secure,Smart,and Scalable Systems for Government, Retail, and Law Enforcement
Alejandro Ruiz	Above the Cloud: Advances in Big Data and Intelligent Engineering
Anil Lokesh Gadi	Integrated Approaches in Automotive Manufacturing, R&D, Sales, Financial Services, Connected Mobility, Sustainability, and Emerging Technologies
Sofia Almeida	Cloud Horizons: Emerging Innovations in Data & Engineering Intelligence
Phanish Lakkarasu	Innovating at Scale: AI, MLOps, and Data Engineering for Intelligent Systems
Lars Jensen	Next-Gen Cloud: Breakthroughs in Big Data Engineering
Ramachandra Rao Nampalli	Integration of Automotive Manufacturing Practices in Railway Systems and Signaling Technologies
Priya Raman	Data Beyond Boundaries: Engineering Intelligence for the Future
Sambasiva Rao Surra	AI-DRIVEN PRECISION HEALTH: INTEGRATING GENOMICS, BIG DATA & AGENTIC INTELLIGENCE
Mateo García	Infinite Cloud: Transformations in Intelligent Data Engineering
Lakshminarayana Reddy Kothapalli Sondinti	THE IMPACT OF FINANCIAL LITERACY ON INVESTMENT DECISIONS AMONG YOUNG ADULTS
Aiko Tanaka	Cloud 2.0: Smart Engineering & Big Data Evolution
Mahesh Recharla	Innovations in Healthcare: Improving Access, Quality, and Outcomes
Nikola Petrov	Reimagining the Cloud: Data Intelligence & Engineering Insights
Tulasi Naga Subhash Polineni	Revolutionizing Medicine: The Role of AI in Modern Healthcare

SESSION A

Names	Titles
Fatima El-Hassan	Elevating Intelligence: Big Data & Cloud Engineering Innovations
Chaitram Chakilam	LEVERAGING AI, MACHINE LEARNING, AND CLOUD-BASED BIG DATA ANALYTICS TO ENHANCE PATIENT CARE AND ACCELERATE DISEASE DIAGNOSIS AND TREATMENT IN MODERN HEALTHCARE SYSTEMS
Johan van Dijk	Beyond Data Limits: Intelligent Engineering in the Cloud Era
Srinivasarao Paleti	MODERNIZING RISK COMPLIANCE FRAMEWORKS: IN BANKING: A POST-DIGITAL TRANSFORMATION PERSPECTIVE
Anya Sokolova	Skyline Intelligence: Future Trends in Big Data Engineering
Ganesh Pambala	Integrating AI and Machine Learning in Civil Engineering: Enhancing Structural Design, Construction Management, and Predictive Maintenance
Marco Bellini	Data in the Clouds: Engineering Intelligence for Tomorrow
Sai Teja Nuka	Design and Development of a Wearable Vital Sign Monitoring Device for Early Disease Detection
Leila Haddad	Cloudfront Innovations: Intelligent Big Data Engineering
Harish Kumar Sriram	Modernizing Payment Systems: The Role of Cloud Computing and AI in Financial Transactions
Hans Müller	The Intelligent Cloud: Engineering Data for a Smarter World
Goutham Kumar Sheelam	ADAPTIVE BANDGAP ENGINEERING IN ULTRA-THIN SEMICONDUCTOR MATERIALS FOR NEXT-GEN SIGNAL PROCESSING ARCHITECTURES

SESSION B

Names	Titles
Srinivas Kalyan	Generative AI in Action: Building Personalized Travel Experiences from Clickstream Signals
Thiago Santos	Data Above & Beyond: Intelligent Engineering in the Cloud Age
Pallav kumar Kaulwar	TRANSFORMING TAX AND ADVISORY SERVICES WITH AI, DATA, AND SECURE INNOVATION
Elena Popescu	Cloud-Native Big Data and AI-Driven Optimization of Wholesale Supply Chains for National Food Services: A Scalable Architecture Using AWS, Azure, and GCP
Venkata Narasareddy Annapareddy	Big Data Analytics for Performance Monitoring in Renewable Energy Systems
Omar Rahman	Engineering the Intelligent Cloud: Big Data Breakthroughs
Zakera Yasmeen	Enhancing Diagnostic Accuracy in Healthcare Through Artificial Intelligence
Chinwe Okafor	FutureCloud: Intelligent Engineering & Big Data Solutions
Botlagunta Preethish Nandan	Integrating AI and Data Analytics for Predictive Insights in Smart Systems
Hiroshi Nakamura	Cloud Intelligence Forum: Big Data & Engineering Synergies
Chandrashekar Pandugula	REVOLUTIONIZING PATIENT CARE: THE ROLE OF AI IN MODERN HEALTHCARE
Lucía Fernández	Ascending the Cloud: Advances in Data-Driven Engineering
Murali Malempati	Cloud-Native Financial Services: Accelerating Innovation in Digital Payments

SESSION B

Names	Titles
Viktor Horváth	The Data-Intelligent Cloud: Engineering the Next Frontier
Avinash Pamisetty	Cloud-Native Big Data and AI-Driven Optimization of Wholesale Supply Chains for National Food Services: A Scalable Architecture Using AWS, Azure, and GCP
Camila Ribeiro	CloudMatrix: Innovations in Big Data Intelligence Engineering
Jeevani Singireddy	Intelligent Accounting Systems: Leveraging AI and ML to Automate Bookkeeping and Enhance Financial Accuracy
Arjun Kapoor	HyperCloud: Big Data Engineering for Intelligent Systems
Ravi kumar Vankayalpati	The Backbone of Digital Transformation: Cloud Computing and Modern Data Centers
Yara Mansour	Beyond the Data Sky: Engineering Intelligence in the Cloud
Karthik Chava	ARTIFICIAL INTELLIGENCE FOR BIG DATA ANALYTICS: EXTRACTING VALUE FROM HIGH-DIMENSIONAL DATASETS
Nina Jovanović	CloudSphere 2030: Intelligent Engineering & Big Data Futures

SESSION C

Names	Titles
Balaji Adusupalli	Intelligent Access Control: Applying AI and ML to Strengthen Identity and Access Management in the Insurance Sector
Avelin Morozov	Horizons of Data: Advancing Intelligence Engineering
Sathya Kannan	HARNESSING AI AND ML FOR AUTONOMOUS AGRICULTURAL EQUIPMENT OPTIMIZATION: A NEW FRONTIER IN PRECISION FARMING AND RESOURCE EFFICIENCY
Liora Sanzetti	The Next Data Frontier: Intelligent Systems & Smart Engineering
Lahari Pandiri	Comprehensive Overview of Insurance Types Understanding Coverage Options for Individuals and Businesses
Kenjiro Takahara	Data Unbound: Engineering the Future of Intelligent Analytics
Venkata Krishna Azith Teja Ganti	AI-Driven Solutions for Early Disease Detection in Modern Healthcare
Mirela Vuković	Intelligent Data Realms: Engineering Tomorrow's Insights
Venkata Bharadwaj Komaragiri	NEXT-GEN TELECOM: AI, CLOUD & DATA-DRIVEN NETWORK INNOVATION
Soren Halberg	Pioneering Data Futures: Intelligent Engineering Breakthroughs
Kiran Kumar Maguluri	Federated Learning in Smart Healthcare: Enhancing Privacy and Efficiency in Multimodal Patient Data Analysis
Yasmina El-Fahri	Data Ascendancy: Engineering Smart Intelligence Solutions

SESSION C

Names	Titles
Srinivas Kalisetty	LEVERAGING CLOUD COMPUTING AND AI FOR CROSS-CHANNEL INTEGRATION OF RETAIL AND MANUFACTURING SUPPLY CHAINS
Talia Ben-Dor	Intelligent Data Spheres: Engineering Innovation Summit
Kishore Challa	The Convergence of Technology and Finance: AI, ML, Cloud Computing, and Big Data in Modern Payment Systems
Eamon Kilpatrick	Reimagining Data Power: Engineering the Age of Intelligence
Hara krishna reddy koppula	5G, Data, and the Future: Enhancing Customer Experience in Telecom and Beyond
Rafeh Darwishi	Architecting Intelligence: New Dimensions in Big Data
Vamsee Pamisetty	AI-DRIVEN TAX COMPLIANCE AND FRAUD DETECTION: ENHANCING FISCAL IMPACT ANALYSIS AND GOVERNMENT FINANCIAL MANAGEMENT THROUGH PREDICTIVE ANALYTICS AND IT INTEGRATION
Elodie Varenne	Data Apex Summit: Engineering Smarter Intelligence
Sneha Singireddy	Customer-Centric Travel Insurance Using Agentic AI: A Case Study
Nikolai Petrescu	Evolution of Data Systems: Intelligent Engineering Pathways
Srinivasa Rao Challa	Future of Finance: Leveraging AI and Cloud Technologies for Smart Wealth Management
Zahra Qudsari	Synapse of Data & Intelligence: Engineering the New Era
Jai Kiran Reddy	The Impact of Real-Time Payment Systems on Traditional Banking Infrastructure