

Agenda - Future of Information and Communication Conference (FICC) 2024

4-5 April 2024 | Berlin, Germany

FICC 2024

TIME (Berlin) CEST/UTC+2	Thu April 4	Fri April 5
09:00 AM - 09:30 AM	Delegates Check-in	Delegates Arrive
09:30 AM - 11:00 AM	Conference Opening + Keynote Talks	Keynote Talks
11:00 AM - 11:30 AM	Break	Break
11:30 AM - 12:30 PM	Paper Presentations	Paper Presentations
12:30 PM - 01:30 PM	Lunch	Lunch
01:30 PM - 03:15 PM	Paper Presentations	Paper Presentations
03:15 PM - 03:30 PM	Break	Break
03:30 PM - 05:00 PM	Paper Presentations	Paper Presentations
05:00 PM Onwards	TBD	Conference Closing

FICC 2024 | Day 1 - April 4, 2024

Session 1: Large language models (LLMs)

April 4 | 11:30 AM - 12:30 PM

- 100 - Using ChatGPT-4 to Grade Open Question Exams ([Hani Alers](#))
- 209 - Complementing Robotic Process Automation with Generative Artificial Intelligence (ChatGPT), Case of Robocorp ([Julia Siderska](#))
- 275 - Mathematics Course Lecturing: AI Platform as an Enabler ([Justino Lourenço](#))
- 312 - Architectural Scalability of Conversational Chatbot: The Case of ChatGPT ([Daniela Mechkaroska](#))
- 119 - A Constructionist Approach to Learning with AI: An “Old” Solution to a “New” Problem? ([Johannes C Cronjé](#))

Session 2: Computing

April 4 | 11:30 AM - 12:30 PM

- 276 - Exploring the possibility of tracking gaze positions from EEG: a proof of concept ([Eliza Sun](#))
- 96 - Measurements of Inheritance Design Quality ([James Helfrich](#))
- 129 - The Influence of Knowledge Management on Digital Transformation: An Overview for Managing Change and Innovation ([Nasrullah Khilji](#))
- 135 - Seed Selector: A Tree Evaluation Mechanism to Speed Up Functional Coverage Collection in Hardware Verification Environments ([Adrian Fallas Porras](#))
- 228 - Comparative Study on Satellite-based SAR Image Representation for Detection of Landslides & Sediment Disasters Caused by Rainfall ([Kohei Arai](#))

Session 3: Data Science

April 4 | 01:30 PM - 03:15 PM

- 124 - JSP-LOC: Schema for Developing Datasets and ML Prognostic Algorithm to Prevent Adversarial Attack in Satellite Laser Communication ([Taniza Sultana](#))
- 217 - Towards the Necessity of Pre-trained Heads in Model-Agnostic Meta-Learning ([Thomas Goerttler](#))
- 265 - Are Unsupervised Text Classification Techniques Sufficient for Categorizing Short Texts Like Product Names? ([Priya Mishra](#))
- 40 - Box-Jenkins Model of Elastic Drive System using Levenberg-Marquardt Algorithm ([Reza Jafari](#))
- 283 - A Balanced Counting Visual Question Answering Dataset ([Aya Nuseir](#))
- 136 - A Non-Transfer Learning Approach in Exploring the Variations of Extractive Summarization Components for a Low-Resource Language ([Ronnel B. Valencia](#))
- 335 - Watershed Level Forecasting using Support Vector Regression Machine ([Lemuel Clark Velasco](#))

Session 4: Artificial Intelligence

April 4 | 01:30 PM - 03:15 PM

- 343 - Usable Security: Cultural Impacts on Graphical Passwords Usability ([Yvonne Kamegne](#))
- 170 - Audio-based Detection of Anxiety and Depression via Vocal Biomarkers ([Raymond Brueckner](#))
- 144 - Involvement of Domain Experts in the AI Training Does Not Affect Adherence: An AutoML Study ([Marius Protte](#))
- 200 - Human Coach Technology Reactance Factors and their Influence on End-Users' Acceptance of e-Health Applications ([Sarah Janboecke](#))
- 43 - It's Time for Some Me-Time: An Analysis of the Psychological Effects of a Six-Day-Period of Smartphone Separation ([Catharina Muench](#), [Astrid Carolus](#))
- 351 - Exploring Robot Morphology Spaces Through Breadth-First Search and Random Query ([Jie Luo](#))
- 292 - Evaluation of Systematic Errors in Visual Question Answering ([Aya Nuseir](#))

Session 5: Data Science

April 4 | 03:30 PM - 05:00 PM

- 325 - Classifying Sustainability Reports using Companies Self-Assessments (Charlott Jakob)
- 268 - Predictive Analytics for Non-Performing Loans and Bank Vulnerability During Crises in Philippines (Macrina P. Lazo)
- 101 - A Big Data: Oriented Spatial Data Infrastructure for the Mexican National Laboratory for Earth Observation (LANOT) (Marco Antonio Lopez Vega)
- 208 - Taguchi's T-method with Normalization-based Binary Bat Algorithm (Khairur Rijal Jamaludin)
- 22 - Blood Bank Management System with Mobile Application in Egypt (Esraa Mamdouh Hashem, Arwa Bahaa Eldin)
- 311 - Machine Learning for Mass Valuation of Residential Real Estate (Anna Ostrikova)
- 123 - Preliminary Study: Exploring GitHub Repository Metrics (Gcinizwe Dlamini)

Session 6: Security and Privacy

April 4 | 03:30 PM - 05:00 PM

- 167 - ADESS: A Proof-of-Work Protocol to Deter Double-Spend Attacks (Daniel Aronoff)
- 248 - Near Real-time Detection and Rectification of Adversarial Patches (Ching-Yu Kao)
- 345 - Blockchain for Securing Health Records in Metaverse (Presenter: Yan Bai)
- 289 - Machine Learning Boosted Trees Algorithms in Cybersecurity: A Comprehensive Review (Vegim Bytyqi)
- 134 - Enhancing Information Security Management in Small and Medium Enterprises (SMEs) Through ISO 27001 Compliance (Henry N. Roa)
- 346 - Research on Blockchain Adoption in Higher Education: A Systematic Review and Conceptual Model (Selema Molopa)

FICC 2024 | Day 2 - April 5, 2024

Session 7: Natural Language Processing

April 5 | 11:30 AM - 12:30 PM

- 126 - Chatbots: An Overview of Current Issues and Challenges (Thomas Fritsch)
- 319 - Analysing Protest-related Tweets: An Evaluation of Techniques by the Open Source Intelligence Team (Laurens H.F. Müter)
- 36 - COVID-19 Vaccine Response on Social Media using LDA Analysis (Samah Senbel)
- 270 - CFMD: Corpus For Moroccan Dialect as Under Researched Dialect (Hajar Zaidani)
- 163 - Text Simplification System for Legal Contract Review (Reginald Neil C. Recario, Jenel M. Justo)

Session 8: e-Learning

April 5 | 11:30 AM - 12:30 PM

- 321 - Organizational Learning Challenges in e-Learning: Critical Success Factors Identified by SMEs to Ensure Economic Growth in the European Union (Pirita Ihamäki)
- 297 - Understanding the Role of Standard Educational Specifications and Interoperable Resources When Designing and Developing Digital Learning Interventions in Nursing Simulation Scenarios (Félix Buendía-García)
- 195 - Building Academic Language for Multi-Lingual Learners Through the Visual Arts (Audrey Figueroa Murphy)
- 282 - Understanding the Potential of Telepresence Robots in Higher Education Learning: A Case Study (Aleksi Talisainen)

Session 9: Communication

April 5 | 01:30 PM - 03:15 PM

- 327 - LTE SFBC MIMO Transmitter Modelling and Performance Evaluation (Gabriela Morillo)
- 107 - Prediction Error-based Model Predictive Control for Resource Allocation of 5G Ultra-Reliable Low-Latency Communication (Jun Liu)
- 143 - Traffic Prediction of Real Network Traffic Data with LSTM Neural Networks (Nina Großegesse)
- 344 - Performance Evaluation of a New Scheduling Model using Congestion Window Reservation (Mahsa Noroozi)
- 266 - Performance Analysis of ETSI GS QKD 014 Protocol in 5G/6G Networks (Amina Tankovic, Enio Kaljic)
- 78 - Exceptional Mixed Real-Time Service Performance by Unleashing the Potential of 802.11 WLAN Technologies (Ali Mohd Ali)
- 211 - Best-Effort Networking Systems (Shengming Jiang)

Session 10: Artificial Intelligence

April 5 | 01:30 PM - 03:15 PM

- 347 - Deep Manifold Learning for Reading Comprehension and Logical Reasoning Tasks with Polytuplet Loss (Jeffrey Lu)
- 140 - AI and IoT Architecture Based on Markov Blankets (Francesco Rago)
- 278 - Automatic Detection and Spline-based Pixel-length Estimation of Fishes from Images (Rajarshi Biswas)
- 267 - Data Related Challenges to Deploying ML Systems in Production: An Example from Sewer Inspection (Rajarshi Biswas)
- 281 - Transformers in Medical Domain: Swin Transformer as a Binary Classification Model for Pneumonia (Sarang Shaikh)
- 103 - Hybrid Approach Involving Genetic Algorithm and Hill Climbing to Resolve the Timetable Scheduling for a University (Asad Hussain)
- 46 - Eye Disease Prediction using Ensemble Learning and Attention on OCT Scans (Nandini Narvekar)

Session 11: Security and Privacy

April 5 | 03:30 PM - 05:00 PM

- 130 - Enforcing Right to be Forgotten in Cloud-based Data Lakes (Sadeq Darrab)
- 178 - Synthetic Data Generation without Real Data: Uncovering Insights in Malware Detection (Chris Liu, Kilho Shin)
- 127 - Metrics for Trustworthiness WebAPIs (Sandro Hartenstein)
- 212 - Assessing the Challenges Faced by Security Operations Centres (SOC) (Kamal Zidan)
- 241 - Moving Smart Contracts for Proving Integrity of Off-Chain Data (Shashank Shekher Tripathi)
- 250 - Random Generator of Orthogonal Matrices in Finite Fields (Lasha Ephremidze)

Session 12: Ambient Intelligence

April 5 | 03:45 PM - 05:00 PM

- 95 - From Virtual Worlds to Real-World Impact: An Industrial Metaverse Survey (Michael Prummer)
- 298 - Digital Twin for Disaster Management in Smart City (Chang-Taek Hyun)
- 185 - Production Portfolio Theory: Risk Evaluation and a New Industrial Application (IA) (Bernhard Heiden)
- 128 - Designing a Novel VR Simulator for Core Laparoscopic Skills and Assessing its Construct Validity via Machine Learning (José Ignacio Guzmán Montoto)
- 138 - Radar Sensor-based Smart Traffic Management System Revolutionized using Random Forest (Shahzada Khurram)
- 161 - Telerehabilitation for People with Knee Mobility Injuries (Pablo B. Carrera)