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Explainable AI in Financial Workflows: Blueprint for Scalable Digital Transformation

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Abstract:

As financial institutions accelerate digital transformation, the convergence of AI, automation, and business process management (BPM) is redefining core operations from customer onboarding to risk governance. This session explores the next generation of intelligent financial systems that embed explainable AI directly into BPM workflows, delivering transparent, regulatory-aligned decisions at scale.

The talk presents applied strategies for integrating machine learning models into real-time business process pipelines for fraud detection, loan underwriting, and compliance tracking. Drawing from field implementations, it showcases how BPM-driven orchestration enables traceability, modular governance, and policy-driven automation. Attendees will learn how to design systems that not only optimize throughput but also maintain explainability, audibility, and ethical integrity, critical for navigating financial compliance and consumer trust in the AI age.

This session targets FinTech leaders, solution architects, and AI researchers aiming to operationalize AI responsibly within digital banking ecosystems.

Keywords: Digital Transformation, Business Process Management (BPM), Explainable AI, FinTech Automation, Risk Orchestration, Compliance by Design, AI Governance, Real-Time Decisioning, Financial Services Innovation