SPE Data Science and Engineering Analytics AI energy

SPE International Data Science and Engineering Analytics Technical Section

SPE International Aberdeen Section

SPE AI4Energy Aberdeen

8:00	Welcome: Introductions
8:05	Keynote: Zaid Rawi, Technology Consultant
Session 1: Emerging AI Applications in Upstream Oil & Gas	
8:40	From Alarm Chaos to Clarity: Using AI to Support Operators in Modern Industrial Systems *Nir Oren, Aberdeen University*
9:10	Digital Flow Assurance: Real-Time Hydrate Risk Monitoring Using Physics-Informed Machine Learning *Abhinav Priyadarshi, Pontem Analytics*
9:40	A Knowledge Graph and Agentic AI Framework for Automated Well Intervention Candidate Selection *Michael Aku, University College London*
10:10	Coffee Break Inform Prize Winners: Student Poster Session 1
Session 2: Operator Led AI Use Cases	
10:30	Unlocking Leading Safety Indicators through AI-Driven Behaviour-Based Safety *Jude Adi, Fennex*
11:00	Harnessing AI and Machine Learning for Production Data Management *Magnus Amaefuna, NewCross Energy*
11:30	Transforming Capital Projects with AI *Sankesh Sundareshwar, Voltquant*
12:00 13:00	Lunch Inform Prize Winners: Student Poster Session 2
Session 3: Demystification of AI	
13:15	From Search to Intelligence: How Structured Metadata Enables Industrial AI Agents Abstract *Martin Bergmann, Hexagon*
13:45	From Data to Decisions: AI, ML, and Advanced Analytics for Energy Operations *Graham McHardy, SEEQ*
14:15	AI-assisted Concept Screening: Accelerating Field Development Planning from Months to Minutes *Michiel van Haersma Buma, Whitespace*
14:45	Coffee Break Poster presentation - AI-assisted Scheduling, Michiel van Haersma Buma, Whitespace
Session 4: AI enabled planning and scheduling, and cross industry insights	
15:00	Learn how the Pharma industry are deploying GenAI solutions *Lina Rietuma, Blend*
15:30	Generative Scheduling for Capital Projects *Ash Curzon, ALICE Technologies*
16:00	Optimizing Gas Gathering Network Operations using AI *Anvesh Reddy Chittampelli, Accenture*
16:30	Break
Fireside chat with Gareth O'Brien, Microsoft	
16:45	Mediated by Ajish Varghese, Harbour Energy
17:30	Closing Remarks

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