| Authors | Title |
|---|---|
| Om Prasad Patri<br>Anand Panangadan<br>Charalampos Chelmis<br>Viktor Prasanna<br>Randy McKee | Predicting Failures from Oilfield Sensor Data using Time Series Shapelets |
| Jing Huang<br>Dr. Suya You | Change Detection in Laser-Scanned Data of Industrial Sites |
| Khoshnevis | Automatic Concurrent Water Collection System (CWC) for Unloading of Gas Wells |
| Behrokh Khoshnevis<br>Alejandro Bugacov | Microwave Wellbore Fluid Heater |
| Cong Zhang<br>Abdollah Orangi<br>Amol Bakshi (preferred contact)<br>William J. Dasie<br>Viktor K. Prasanna | Model-Based Framework for Oip Production Forecasting and Optimization: A Case Study in Integrated Assest Management |
| Ramakrishna Soma<br>Amol Bakshi (preferred contact)<br>Abdollah Orangi<br>William J. Dasie<br>Viktor K. Prasanna | A Service Oriented Data Composition Architecture for Integrated Asset Management |
| Cong Zhang (preferred contact)<br>Viktor K. Prasanna<br>Abdollah Orangi<br>William J. Dasie<br>Aditya Kwatra | Modeling Methodology for Application Development in Petroleum Industry |
| Jack Wills<br>Wei Ye<br>John Heidemann (preferred contact) | Low-Power Acoustic Modem for Dense Underwater Sensor Networks |
| Ramakrishna Soma<br>Amol Bakshi (preferred contact) | A Model-Based Framework for Developing and Deploying Data Aggregation Services |

| | |
|---|---|
| Viktor K. Prasanna<br>William J. Dasie | |
| Cong Zhang<br>Amol Bakshi (preferred contact)<br>Viktor K. Prasanna<br>Willian J. Dasie | Towards A Model-Based Application Integration Framework for Smart Oilfields |
| Lu Wang<br>Ulrich Neumann (preferred contact)<br>Suya You | Sketch Signature: a new local feature for line registration and object recognition |
| Tatyana Ryutov<br>Cliff Neuman (preferred contact) | OPC Guard: Process Control Server security configuration and monitoring |
| Affan Syed<br>John Heidemann | Self-reflective tone learning algorithm for underwater acoustic communication |
| Yuelong Huang<br>Zhen He<br>Florian B. Mansfeld (preferred contact) | Electricity Generation from a Floating Marine Microbial Fuel Cell |
| Chengjie Zhang<br>Affan Syed<br>Young Cho<br>John Heidemann | A thermal-powered sensing system for steam distribution pipelines |
| Ulrich Neumann | A Phrase-Driven Grammar for Data Visualization |
| Antonio Ortega | Using Designed injection Rates and Performance Data for Characterization of Flow Units Between Injection-Production Wells |
| Jerry Mendel | Virtual Fractured-Reservoir Water-flood Forcasting (VFR WFF) |
| Yintao Liu<br>Ke-Thia Yao<br>Shuping Liu<br>Cauligi Raghavendra<br>Tracy Lenz<br>Lanre Olabinjo | Failure Prediction for Rod Pump Artificial Lift Systems |

| | |
|---|---|
| Burcu Seren<br>Sanaz Seddighrad<br>Dinesh Babu | |
| Jeff LaCoss<br>David Menda | Wireless Control System for Industrial Applications |
| Shahabi | ProDA |
| Shahabi | Shift/Split |
| Prasanna<br>J. Zhao<br>F. Sun<br>A. Bakshi<br>C. Torniai | A Provenance-Integration Framework for Reservoir Management Workflows |
| Young Cho<br>Deon Rae<br>Charlie Webb<br>Greg LaFramboise<br>Lanre Olabinjo<br>Andrew Goodney | Pervasive Thermoelectric Power Generation |
| Zhenzhen Gao<br>Luciano Nocera<br>Ulrich Neumann<br>(preferred contact) | Phrase-Based Reservoir Information Visualization System |
| Minshen Hao<br>Jerry Mendel | Dyanmic Multiple-Model Aggregation for Waterflood Management |
| S. Liu,SPE, C.S. Raghavendra, USC<br>Y. Liu, SPE<br>K. Yao, USC ISI<br>O. Balogun, Chevron<br>L. Olabinjo, Chevron<br>R. Soma, Chevron<br>J. Ivanhoe, Chevron<br>B. Smith, Chevron<br>B. Seren, Chevron<br>T.L. Lenz, Chevron<br>C. G. Dinesh Babu, SPE<br>I. Ershaghi, SPE/USC | Automatic Early Fault Detection for Rod Pump Systems |

| | |
|---|---|
| Yenting Lin<br>Antonio Ortega | New measure algorithm for well-test in oil field |
| Yenting Lin<br>Antonio Ortega<br>Tayeb Ayatollahy Tafti<br>Iraj Ershaghi | System and Method for Modeling Shale Discontinuity |
| Daoyuan Zhai<br>Jerry Mendel | Computational Methods for Data Mining Systems: Their Uses in Waterflood Management |
| Om Prasad Patri<br>Vikrambhai Sorathia<br>Viktor Prasanna | System for Integrating Event-Driven Information In The Oil and Gas Fields |
| Si-Zhao Qin (preferred)<br>Yingying Zheng<br>Dr. Lisa Brenskelle | Dynamic Data Reconstruction with Missing and Faulty Records for Oil and Gas Production and Processing |
| Ulrich Neumann(preferred)<br>Suya You<br>Rongqi Qiu<br>Guan Pang<br>Jing Huang<br>Luciano Nocera | Modeling by Recognition |
| Si-Zhao Qin (preferred)<br>Yu Pan<br>Phi Nguyen | Inferential Reid Vapor Pressure and True Vapor Pressure Modeling with bias corrections |
| Si-Zhao Qin<br>Yingying Zheng<br>Dr. Lisa Brenskelle | Dynamic Data Reconstruction with Missing and Faulty Records for Oil and Gas Production and Processing |
| Ulrich Neumann<br>Suya You<br>Rongqi Qiu<br>Guan Pang<br>Jing Huang<br>Luciano Nocera | Modeling by Recognition or Three-Dimensional Point Processing and Model Generation |
| Si-Zhao Qin<br>Yu Pan<br>Phi Nguyen | Inferential Reid Vapor Pressure and True Vapor Pressure Modeling with bias corrections |

| Om Prasad Patri<br>Vikrambhai Sorathia<br>Viktor Prasanna | Towards a Generic Conceptual Model for Complex Event Processing |
| --- | --- |
| Chengjie Zhang<br>John Heidemann | A system for detecting cold oil blockage |
| Jing Huang<br>Dr. Suya You | Detecting Objects in Scene Point Cloud: A Combinational Approach |
| Mohammad Korjani<br>Jerry Mendel | Variable Structure Fuzzy Basis Function (VS FBF) Regression |
| Jerry Mendel<br>Mohammad Rajati | Linguistic Goal Oriented Decision Making (LGODM) |
| Yingying Zheng<br>S. Joe Qin | System and Method for Control Performance Monitoring |