Tuesday 11 April 2006

08.30 - 09.30 hoursRegistration and Coffee09.30 - 10.30 hoursOceandiva RoomScene Setter Session:Intelligence in ActionSession Moderator:Bill Pike, Hart Energy Publishing



Much progress has been made toward intelligent operations in the upstream industry. However, a good deal of confusion continues to exist with regard to exactly what capabilities we have developed to date and where we are on the intelligent operations development timeline. This session will answer both questions. Attendees will have the opportunity to immerse themselves in the full life cycle of a simulated intelligent well/field by actually participating in decision making and intelligent analysis and implementation. The intelligent simulations will be accompanied by expert explanations of current intelligent operations processes.

10.30 – 11.00 hours Coffee 11.00 – 12.30 hours Oceandiva Room

Plenary Session 1: Oil and Gas Production in a Digital Age Session Moderator: John Darley, Shell International E&P

The Intelligent Field Initiative at Saudi Aramco Can Technology Turn the Tide on Decline? Financial Perspective Automating Workflows: Experiences and Lessons learnt Fahad Al-Moosa, Saudi Aramco Bill Severns, The Energy Consulting Group Karim Rashid, Morgan Stanley Petter Stigset, Siemens

14.00 - 17.30 hours Waterkant Room

Technical Session 1: Monitoring and Surveillance Session Chairperson: Richard Ella, Halliburton Sanjaya Sood, Schlumberger

For the last few years, the oil industry has been engaged in a dialogue about the digital oil field of the future. What will it look like? Just how advanced will it be? How will it evolve?

As we consider these questions, are we too future focused? Are we overlooking the advantages that existing technology could bring if properly leveraged? Intelligent monitoring and surveillance has the potential to lead the industry from its traditional reactive mode, acting on historical data, to a more responsive mode, acting on real-time data and ultimately, enabling proactive management of assets based on predictive technologies.

1400	99849	Wireless Condition Monitoring H. Cassar, BP
1430	99963	Continuous Well Production Flow Monitoring and Surveillance H. Poulisse, Shell Intl. E&P. P. van Overschee and J. Briers, IPCOS N.V.; and C. Moncur and KC. Goh, Shell Global Solutions Intl.
1500	99696	InWell Optical Sensing – State-of-the-Art Applications and Future Direction For Increasing Value in Production Optimization Systems B.K. Drakeley, E.S. Johansen, E.J. Zisk, and F.X. Bostick III, Weatherford Intl.
1530		Coffee Break
1600	99554	Intelligent Monitoring? Bore Hole Gravity Measurements! T. Loermans and O. Kelder, Saudi Aramco
1630	99927	Continuous 4D Monitoring is Now Reality R. Arts, TNO Built Environment and Geosciences and Technical U. of Delft; J. Brouwer, C. Hofstee and J. Kooijman, TNO Built Environment and Geosciences; and G. Drijkoningen, Technical U. of Delft
1700	99449	Applications of Fiber-Optic Real-Time Distributed Temperature Sensing in a Heavy-Oil-Production Environment J. Goiffon and D. Gualtieri, Halliburton Energy Services

14.00 - 17.30 hours Amsterdam Room

Technical Session 2:Closed-Loop OptimizationSession Chairperson:Cor van Kruijsdijk, Delft University of Technology

The goals of "Intelligent Energy" will not be achieved until we "close the loop" reliably. The papers in this session present the closing of various loops and discuss the current state-of-the-art.

1400	99828	Learnings on Sustainable Model-Based Optimisation - The Valhall Optimiser Field Trial B. Stenhouse, BP
1430	99956	Right-Time Decision of Artificial-Lift Management for Fast Loop Control S.R.V. Campos, M.F. Silva Jr., J.F. Correa, E.H. Bolonhini, and D.F. Filho, Petrobras
1500	99555	Intelligent Integrated Dynamic Surveillance Tool Improves Field-Management Practices S.M. Al-Fattah, M.M. Dallag, R.A. Abdulmohsin, W.A. Al-Harbi, and M.B. Issaka, Saudi Aramco
1530		Coffee Break
1600	99453	A Case Study of Offshore Production Control through Advanced Process Automation R. Bumatay, SPEX; S. Sankaran and G. Mijares, Halliburton Digital and Consulting Solutions; and J.J. Vazquez-Esparragoza, KBR
1630	99971	Well Test Optimization and Automation R. Cramer, C. Moncur and L. Berendschot, Shell Global Solutions
1700	99834	Intelligent-Well Technology: Are We Ready For Closed Loop Control? W.S. Going, B.L. Thigpen, P.M. Chok, and A.B. Anderson, Baker Oil Tools; G.P. Vachon, Baker Hughes

14.00 - 17.30 hours Volendam Room

Technical Session 3:	Integrating Technology, Processes and People
Session Chairperson:	Donna Garbutt, Schlumberger
-	Cheryl Louie, SAIC

This session will explore the challenges, business value and operational benefits derived from the integration of technology, business and operational processes, and people. The evolution of the integrated operational environment from vision to reality will be explored through case studies and examples. The papers will cover a range of technology from downhole through to full field including integration across discipline. The complexity of operational and organizational issues associated with changing processes and the corresponding impact on the individual and work team will be explored and challenged.

1400	96390	Real Time Asset Management: From Vision to Engagement An Operator's Experience T. Unneland, Chevron Intl. E&P, and M. Hauser, Chevron Energy Technology
1430	100024	Making Our Mature Fields Smarter An Industrywide Position Paper from the 2005 SPE Forum R. Murray, BP Exploration; C. Edwards, Shell; K. Gibbons, Helix-RDS; S. Jakeman, Shell; G. de Jonge, Chevron; S. Kimminau, Schlumberger; L. Ormerod, Weatherford; C. Roy, Total; and G. Vachon, Baker Hughes
1500	99408	From Reservoir to Well: Using Technology For World-Class Results in Trinidad & Tobago K. Samsundar and R. Chung, bpTT
1530		Coffee Break
1600	99807	The Central Role and Challenges of Integrated Production Operations R. Ella, L. Reid, D. Russell, D. Johnson, and S. Davidson, Halliburton Digital and Consulting Solutions
1630	100275	New Work Processes and Operation Forms: Efficient Data Utilization And Online Cooperation P. Millette, Honeywell
1700	100710	An Evolution from Smart Wells to Smart Fields E. van der Steen, Brunei Shell Petroleum

17.30 - 18.00 hours Oceandiva Room

Speech by L.J.Brinkhorst, Dutch Minister of Economic Affairs



Laurens Jan Brinkhorst studied Law at Leiden University and graduated in 1959. In 1961, he was awarded an MA in public law and government from Columbia University, New York, USA, and subsequently worked for Shearman and Sterling, a law firm in New York. In 1962, Mr Brinkhorst accepted a position at the Europe Institute of Leiden University, and was appointed director of the Institute in 1965. In the same year, he became senior lecturer in the law of international organisations. From 1967 to 1973, he held the chair of European law at Groningen University.

Mr Brinkhorst was State Secretary for Foreign Affairs in the Den Uyl government from 11 May 1973 to 8 September 1977, with the European Affairs portfolio. He was a member of the House of Representatives of the States General from 1977 to 1982, and was the leader of the Democrats 66 (D66) parliamentary party in 1981/1982.

In 1982, he was appointed head of the delegation of the Commission of the European Communities in Japan. In 1987, he took office as Director-General of Environment, Consumer Protection and Nuclear Safety, and in 1989 as Director-General of Environment, Nuclear Safety and Civil Protection at the European Commission. He served as a member of the European Parliament from 1994 to 1999.

Mr Brinkhorst has held various other posts. He was a member of Groningen Provincial Council for D66, a member of the advisory council of the World Resources Institute in Washington DC, a member of the board of governors of the Netherlands Institute for Economics, extraordinary professor of international environmental law at Leiden University, a member of the board of directors of the Salzburg Seminar and the International Institute of Sustainable Development, and visiting professor of international environmental law at the University of Lausanne.

Mr Brinkhorst was Minister of Agriculture, Nature Management and Fisheries in the second Kok government from 8 June 1999 to 22 July 2002. He then worked for NautaDutilh, a Brussels law firm, as their European affairs adviser, and held the chair of transnational and European governance at the University of Tilburg. Mr Brinkhorst was appointed Minister of Economic Affairs in the second Balkenende government on 27 May 2003. He was appointed Deputy Prime Minister on 31 March 2005.

Vote of thanks by Eve Sprunt, 2006 SPE President



Eve Sprunt is Senior Technical Advisor for Chevron Technology Ventures LLC, a subsidiary of Chevron Corp., which manages Chevron's research, venture investing and business ventures in emerging energy technologies, such as hydrogen, wind, solar and biomass. Before joining Chevron, Sprunt worked for 21 years for Mobil Corp. She holds 23 patents and is a frequent editorial columnist for petroleum industry publications. She has bachelors and master's degrees in earth and planetary sciences from the Massachusetts Institute of Technology, and a PhD degree from Stanford University.

18.00 hours Exhibition Area

Drinks Reception

Wednesday 12 April 2006

08.30 - 10.30 hours	Waterkant Room
Technical Session 4:	Architecture, Information Management and Exchange
Session Chairperson:	Davia Archer, Former PUSC
	Peter Breunig, Chevron

Intelligent Energy requires the effective management and exchange of a broad range of static and dynamic information. Presentations in this session include a case study of real-time data management for the offshore environment, a discussion of WITMSL(TM) and its use as a foundation for enhanced data exchange and reporting plus a report on a related multi-company effort (PRODML) to develop and to deploy exchange standards in support of production optimization. Intelligent Energy also benefits from commonly adopted architectural principles. A final presentation illustrates a Service Oriented Architecture (SOA) framework for executing the workflows at the heart of Intelligent Energy.

0830	99257	Use of Real Time Data at the Statfjord Field Anno 2005 J. Milter, O.G. Bergjord, K. Høyland, and B. Rugland, Statoil
0900	99805	Efficient Data Management On The Rig Of The Future M. Kirkman, P. Chapman, C. Greaves, and H. Turnbull, BP; D. Johnson, Landmark Graphics
0930	99707	A Multivendor Data-Exchange Format to Support Digital Oilfields B.C. Weltevrede, Shell Intl. E&P. R. Foreman, BP; R. Morneau, Chevron; B. Rugland, Statoil; J. Foreman,ExxonMobil; S. De Vries, Invensys; T. Little, Halliburton; L. Ormerod, Weatherford; and A. Doniger, POSC
1000	99983	A Service-Oriented Data-Composition Architecture for Integrated Asset Management R. Soma, A. Bakshi, A. Oranqi, and V.K. Prasanna, U. of Southern California; W. Da Sie, Chevron

08.30 - 10.30 hours Amsterdam Room

Technical Session 5:Building Blocks for Asset ManagementSession Chairperson:Zuwa Omoregie, Chevron Corporation

The intelligent field of the future will become a reality only after the industry adopts, develops or adapts intelligent tools and processes that are needed to manage the oil and gas assets. This session focuses on some of the building blocks in asset management.

The papers range from high level discussions of intelligent field implementation to specific building blocks such as sensing, workflow optimization, failure mode analysis and well placement optimization.

This session will be of interest to asset managers, operations and technical managers, reservoir and production engineers and team leaders, earth scientists and business planning analysts.

0830	99468	Implementing RealTime Asset Management: A Practical Perspective J. Nordtvedt, Epsis; T. Unneland, Chevron Intl. E&P
0900		Heavy Oil Production Optimization using Predictive Methods R. Peterson, Schlumberger ; G. Shepard, Husky Oil
0930	99464	Risk Minimization by The Use of Failure Mode Analysis in the Qualification of New Technology, Applied to Intelligent Field Systems J.A. Hother, Proneta
1000	98198	Closing the Loop Between Reservoir Modeling and Well Placement and Positioning N. Liu, Chevron ETC, and Y. Jalali, Schlumberger

08.30 - 10.30 hours Volendam Room

Technical Session 6:	Do Oil, Data and People Mix!?
Session Chairperson:	Helen Ratcliffe, SAIC Jan Erik Nordtvedt, Epsis

This session focuses on the importance of people in the successful and sustainable implementation of IE technologies and capabilities. Ranging from the challenges and insights of adopting a 'Basin Wide' technology implementation strategy in the North Sea to how IE applications and elements enable; and are enabled by integrated teams in the Far East. With a challenging workforce demographic the use of existing technology and improved workflow are being used to support the capture of knowledge and expertise and we will share some case histories.

0830	30 99829 The Challenges of Implementing at Scale: Field of the Future - Technologies In The North Sea G. Dudley, J. Perry, S. Goodwin, C. Critchley, P. Hocking, M. Shahly, O.I. Barkved, and D. Saul, BP		 Technologies In The North Sea ahly, O.I. Barkved, and D. Saul, BP
0900	99873	The Use of Integrated Decision Making to Embed Sustainable M. Kuijper, M. Stephenson, and M. Howard, Shell E&P	e Development
0930	99528	Improving Storage and Workflow of PressureRelated Inform C. Purdy, J. Webster, and K. Brady, Knowledge Systems	ation Don't Lose your Expert Community
1000	99243	Integration of People, Process & Technology for RightTime Proc S. AlKhadhuri, D. Narasayamy, and Sheik-Mohamed Sheik Said,	duction Management & Optimization in Brunei Shell Petroleum Brunei Shell Petroleum
11.00 - 1	2.45 hours	Oceandiva Room	
Plenary Se	ession 2:	Stop Procrastinating – Start Acting!	
Session M	oderators:	Eric Deliac, Petris Technology Peter Goode, Vetco International	
A Fresh Eye from Other Indu		Istries	Armand Carlier, Consultant
Technology adoption issues, Ir		Intelligence in E&P	Manoelle Lepoutre, Total

Adoption Speed, Field of the Future

Digital Technology as a competitive weapon — what can Oil and Gas learn from other industries? Oil & Gas Companies challenges, new approaches for technology adoption Manoelle Lepoutre, Total Mike Utsler, BP David Craig, McKinsey Léon Beugelsdijk, Shell International E&P

14.00 – 17.30 hours Waterkant Room

Technical Session 7: Reliably Advancing Operational Insights Session Chairperson: Marise Mikulis, Microsoft

Reservoir optimization is accelerated with deeper understanding of project risk. "Old school" trusts their gut in executing programs. "New school" expects and demands illumination of patterns and trends within data using sophisticated modelling techniques and frameworks. How much are we trusting the models? Is project insight consistently improving? Or are we coming to the same conclusions but spending more time and effort to do so? Are these methods more overhead to satisfy management scrutiny? In this session, industry leaders reinforce the value of models and modelling for achieving sound insights to improve operations.

1400	99484	Towards a Framework for Better Decision Making Under Subsurface Uncertainty R.D. Peterson, S. Yawanarajah, D. Neisch, and E. Tabanou, Schlumberger, and S. James, Shell
1430	99288	Generalized Analytical Solution for Reservoir Problems with Multiple Wells and Boundary Conditions G. Busswell, R. Banerjee, R.K.M. Thambynayagam, and J. Spath, Schlumberger Oilfi eld Services
1500	100271	Integration of a Risk-Management Tool and an Analytical Simulator for Assisted DecisionMaking in IOR V. Alvarado, SDM; EM. Reich and Y. Yi, IRIS Research; and K. Potsch, OMV
1530		Coffee Break
1600	99667	Development of Surrogate Reservoir Models (SRM) For Fast Track Analysis of Complex Reservoirs S.D. Mohaghegh, West Virginia U. and Intelligent Solutions; A. Modavi, H.H. Hafez, M. Haajizadeh, M. Kenawy and S. Guruswamy, ADCO
1630	99847	Facilitating Risk Management in E&P Using Data Visualisation and Collaboration Tools G. Cain and E. Deliac, Petris Technology
1700	99451	A Consistent Approach Toward Reservoir Simulation at Different Time Scales M. Nikolaou, U. of Houston; A.S. Cullick, L. Saputelli, G. Mijares, and S. Sankaran, Halliburton Digital and Consulting Solutions; and L. Reis, Petrobras

14.00 – 17.30 hours Amsterdam Room

Technical Session 8:
Session Chairperson:Remote Operations and Virtual Training: Industry Analogies as an Example for E&P Practice
Roald Brouwer, Shell International E&P

In the first half of this session, we look at what we can learn from the space and the gaming industry to improve the future of the oil industry. In the future, daily intelligent field operations may look much like an ordinary day in a space project operation. In addition, games are becoming increasingly sophisticated and realistic. The oil industry may learn from it how to train future employees and how to build the best virtual working environments.

1400	Rocket Science to Boost Smart Fields C.J.M. Heemskerk, Dutch Space
1445	Gaming as a Viable Option for the Oil Industry to Train Employees and Build the Best Virtual Working Environments H. Kelly, Federation of American Scientists
1530	Coffee break
1600 Moderator:	Standardization Panel David Archer, Former POSC

The role of standards is a common point of emphasis at virtually every industry conference related to Intelligent Energy. However, the deployment of the required standards, with a few notable exceptions, seems to continue to be something to do in the future. In this session, a panel of energy industry experts and standardization professionals will discuss the requirements, benefits and current initiatives for standardization of infrastructure and information in pursuit of the Intelligent Energy vision. After brief statements from each of the participants, follow an interactive discussion in which the panellists will field questions from the moderator and from the delegates in the audience.

 Panel speakers:
 Jonathan Lewis, Halliburton Digital and Consulting Solutions Division

 Tom Halbouty, Pioneer Natural Resources
 Randy Clark, POSC

 Thore Langeland, Norwegian OLF

14.00 - 17.30 hours Volendam Room

Technical Session 9:	Collaboration Centres
Session Chairpersons:	Tony Edwards, BP
	Mike Hauser, Chevron Corporation

This session is specially designed to present views from some of the leading practioners of "Collaboration Centers". The topics will cover a broad spectrum of case studies, challenges, decision making, workflows based on the experiences & designs of today. The session will also set the stage for future learnings to be explored as industry moves into this key area in the next phase of the evolving intelligent, digital oilfield.

1400	100113	Advanced Collaborative Environments In BP T. Edwards, M. Saunders, K. MooreCernoch, BP
1430	99485	Challenges in Integrated Operations Centers K. Landgren and S. Sood, Schlumberger
1500	100704	Collaborative Decision Making in Operation-Centre Environments D. Taylor, SAIC; K. Fosse, Epsis
1530		Coffee Break
1600	99928	Production Planning in an Operations-Center Environment 1. Fløysand, JE. Nordtvedt, and F. Sekkingstad, Epsis
1630		Production Optimization Collaboration Centre in Brunei E. van der Steen and R. Knoppe, Brunei Shell
1700		Collaborative Environment Q&A

Thursday 13 April 2006

08.30 to 10.30 hours Waterkant Room

Technical Session 10: Model Based Optimization Session Chairperson: Iraj Ershaghi, University of Southern California Younes Jalali, Schlumberger

In this session intelligent solutions for smart operations is addressed from the standpoint of optimizing work processes. Concepts include optimization of global sweep efficiency for a wag process by the use of utility theory; use of Kalman filter for production optimization with non-linear path constraints and control of downhole chokes for maximizing cumulative oil production; partitioning of injection rates to control displacement front and the use of analytical models to history match multiwell reservoir systems.

0830	99959	Production Optimization with Adjoint Models under Nonlinear Control State Path Inequality Constraints P. Sarma, Stanford U.; W.H. Chen, Chevron ETC; and L.J. Durlofsky and K. Aziz, Stanford U.
0900	99690	A New Approach for Dynamic Optimization of Waterflooding Problems R.J. Lorentzen, A.M. Berg, G. Nævdal, and E.H. Vefring, Intl. Research Inst. of Stavanger (IRIS)
0930	100009	Optimization of the WAG Process Under Uncertainty in a Smart Wells Environment: Utility Theory Approach T.E.H. Esmaiel, Delft U. of Technology and Kuwait Inst. for Scientifi c Research, and J.C. Heeremans, Delft U. of Technology
1000	99524	Control of a Displacement Front in Potential Flow Using Flow Rate Partition H. Fyrozjaee, Mohsen, and Y.C. Yortsos, U. of Southern California

08.30 - 10.30 hours Amsterdam Room

Technical Session 11: Intelligent Asset Management Case Studies Session Chairpersons: Ricardo Portella, Petrobras Christian Bos, TNO

This session focuses on field cases. Chevron will present the i-field implementation of San Ardo field where the automation will improve steamflood and water management operations. Another big onshore smart field implementation will be presented by Weatherford that will stress the cost reduction and workflow process changes that were key factors in the success of this implementation. A Saudi Aramco paper will focus on the coupled simulation of reservoir flow and surface facilities that is essential for a closed looped management of a smart field. Finally, a paper will present a survey of the required technologies to be used in an implementation of a smart field, stating the actual status and the technological gaps.

0830	99446	Real-Time Production Optimization of Offshore Oil and Gas Production Systems: A Technology Survey H.P. Bieker, NTNU; O. Slupphaug, ABB; and T.A. Johansen, NTNU
0900	99548	Implementing Chevron's ifield at the San Ardo, California, Asset J. Ouimette, Chevron Energy Technology; K. Oran, Chevron North America E&P
0930	99949	RealTime Field Surveillance and Well Services Management in a Large Mature Onshore Field: Case Study L. Ormerod, Weatherford; H. Sardoff, J. Wilkinson, and B. Erlendson, Chevron; and B. Cox and G. Stephenson, Weatherford
1000	100027	Production Optimization through Coupled Facility/Reservoir Simulation E. Hayder, M. Dahan, and M. Dossary, Saudi Aramco

08.30 - 10.30 hours Volendam Room

Technical Session 12:Beyond the Big Crew ChangeSession Chairpersons:Trond Unneland, Chevron Upstream EuropeIhab Toma, Schlumberger

Organizational Capability is a huge challenge for the industry at the current activity level. The industry demographics will dramatically alleviate this challenge in the years to come. This session will focus on how Intelligent Energy can mitigate the demographical challenges, and how this technology will affect Organizational Capability beyond the Big Crew Change.

0830	99777	Field Of The Future: Making BP's Vision a Reality C. Reddick, BP
0900	99885	Beyond The Big Crew Change, Dumbing Down Or Getting Smarter? M. Heaney, Benchwhistler Associates; J. Davidson, Facilitators UK
0930	99774	Capability Development with Remote Drilling Operations K. Lauche, U. of Aberdeen; S.J. Sawaryn, BP Exploration; and J.L. Thorogood, CJSC Elvary Neftegaz
1000	100712	When Are We Going To Address Organizational Robustness and Collaboration as Something Else Than a Residual Factor? V. Hepsø, Statoil
11.00 -	- 12.45 hours	Oceandiva Room

Plenary Session 3: Higher Recoveries From Existing And New Fields! How Do We Engage The "Xbox" Generation To Succeed? Session Moderator: Alex Lightman, Charmed Technology

An Even Smarter World

Virtual electronic connectivity in the future, what will it look like? People, working, training and where will we get them? The future of HSE in 30 years, what will we do to have 0 incidents? National Oil company perspective resource rich/poor, how to expand and stay connected Alex Lightman, Charmed Technology Eric Frost, San Diego State University John Henderson, Boston University Pat Cook, Halliburton Chen Kah Seong, Petronas



14.00 - 16.30 hours Waterkant Room

Technical Session 13: Increasing the Intelligence of Oil and Gas Planning, Production and Drilling Operations Session Chairpersons: Judson Jacobs, CERA

Many seemingly mature oilfield activities; whether in asset development, production or drilling, lend themselves to improvement using 'intelligent' concepts. In this session, cases will be presented ranging from real-time drilling optimization to improved integrated reservoir modeling and production forecasting. The approaches used are very similar. Common design principles may be applied when designing 'intelligent solutions', even if the nature of activities and value drivers differ.

1400	99948	Integrated Multizone Low-Cost Intelligent Completion for Mature Fields H.L. da C.P. Pinto, M.F. Silva Jr., R.G. Izetti, and G.B. Guimarães, Petrobras
1430	99945	Simulation While Drilling: Utopia or Reality? A. Primera, C. Perez-Damas, and S. Kumar, Schlumberger, and J.E. Rodriguez, Spectrum Consultores
1500		Coffee Break
1530	99482	Improving the Quality and Efficiency of Subsurface Workflows R.D. Peterson, S. Yawanarajah, and D. Neisch, Schlumberger, and S. James, Shell
1600	99979	Model Based Framework for Oil Production Forecasting and Optimization: A Case Study in Integrated Asset Management C. Zhang, A. Orangi, and A. Bakshi, U. of Southern California; W. Da Sie, Chevron; V.K. Prasanna, U. of Southern California

14.00 - 16.30 hours Amsterdam Room

Technical Session 14: The Future Is Now Session Chairpersons: Will Da Sie, Chevron Energy Technology Co. Paul Deutch, SAIC

This session will focus on transformational technologies that pave the way for full integrated system optimization and management. These technologies address the challenges of assembling tools from diverse modelling and system optimization domains to create a new generation of collaborative solutions.

1400	99779	The Field Of The Future Business Process Transformation: Insights and Challenges D. R. Feineman, BP
1430	99358	Production Optimization - A Moving Horizon Approach M. Nikolaou, U. of Houston; A.S. Cullick and L. Saputelli, Halliburton Digital and Consulting Solutions
1500		Coffee Break
1530	99469	From Reservoir Through Process, from Today to Tomorrow - The Integrated Asset Model A. Howell, Schlumberger Information Solutions; M. Szatny, Aspen Technology; and R. Torrens, Schlumberger Information Solutions
1600	99728	Multiscale Regularization of Flooding Optimization for Smart-Field Management M. Lien, U. of Bergen; D.R. Brouwer, Shell Intl. E&P T. Mannseth, CIPR; and J.D. Jansen, Delft U. of Technology and SIEP
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14.00 – 16.30 hours Volendam Room

Technical Session 15: New Professionals, New Working Environments, and New Technology: The Impact on Our Work Session Chairpersons: Roald Brouwer, Shell International E&P Andy Poosuthasee, Halliburton

In this session we address the potential impact of various technical and non-technical factors on people themselves and on the way they do their jobs in the future oil industry. Topics to be discussed are the importance of young professionals for solving the big crew change, and on how we and our jobs may be affected by new technology, and new collaborative working environments, including some advice on protocols to live and work in such environments. Finally we discuss what, apart from technology, is required for the envisioned step change in business value of Intelligent Energy.

1400	99924	Developing Young Exploration & Production Professionals to Solve the "Big Crew Change L. Tealdi, Agip; E. Kreft, TNO; and J.M. Donachie, Helix RDS
1430	100195	How Collaborative Environments Influence Culture and Behaviour P. Williams, Williams Consulting Group
1500		Coffee Break
1530	99898	Identifying Future Leaders Through Knowledge Management K. Paylow, A. Hickman, and D. Zappa, Halliburton
1600		People, Data and What Do We Do With It Once We've Got It D. Franssens, Halliburton Sperry Drilling Services

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16.30 – 17.30 hours Oceandiva Room

Wrap-up Session: What Industry Leaders take away from the Intelligent Energy Conference

In this session leaders of Oil Companies, Service Providers and Institutes will present and discuss how the conference has influenced their thinking about Intelligent Energy and which elements they plan to implement in their own organizations. The session, moderated by John Darley, is planned as a free flowing discussion between the attendees and the panel members, both to evaluate the conference theme and explore future trends and directions in Intelligent Energy.

Tuesday, 11 April 08.30 hours – Thursday, 13 April 17.30 hours

Poster/Alternate Presentations

99850	ISIS A Real Time Information Pipeline
	J. Foot, M. Webster, D. Trueman, G. Yusti, and T. Grose, BP
99827	Seismic Surveillance in the Field of the Future
	G. Watts, BP; O. Barkved, BP Norge; and J. Dickens, BP
99880	Use of Real Time Rig-Sensor Data to Improve Daily Drilling Reporting, Benchmarking and Planning - A Case Study G. Thonhauser and G. Wallnoefer, U. of Leoben; W. Mathis, TDE Thonhauser Data Engineering; J. Ettl, OMV Austria
99336	EPINET In ONGC India: Transforming E&P Information Into Energy Intelligence P.K. Mittal, ONGC, and D. Chatterjee, Schlumberger
99466	New Data Transmission Standard Facilitates Synchronous Remote Modeling and Surveillance via the Internet W. Standifird, Knowledge Systems; N. Baksh, Baker Hughes Inteq; S. Edwards, BP; and V. Wu, Knowledge Systems

- 99929 Should "Proactive" or "Reactive" Control be Chosen for Intelligent Well Management? F. Ebadi and D.R. Davies, Heriot-Watt U.
- 99882 Innovative Approach to Assist History Matching Using Artificial Intelligence J.S. Al-Thuwaini, Saudi Aramco; G. Zangl, Schlumberger; and R. Phelps, Saudi Aramco
- 99281 Deployed Smart Technologies Enablers for Improving Well Performance in Tight Reservoirs Case: Shaybah Field, Saudi Arabia S.P. Salamy, H.K. Al-Mubarak, D.E. Hembling, and M.S. Al-Ghamdi, Saudi Aramco

SPE European Student Paper Contest

Tuesday 11 April

Veendam Room, 08.30 - 17.00 hours

The 2006 European Student Paper Contest will be taking place on 11th April. There will be two divisions – an undergraduate division and a postgraduate division. Each candidate will give a 20 minute presentation on their paper which will be followed by a 10 minute question and answer session. The winners in each division will receive cash prizes and the first place winners will be offered the opportunity to travel to the 2006 SPE Annual Technical Conference and Exhibition, 24-27 September 2006, San Antonio, Texas to take part in the International Student Paper Contest.

Please join us and support the students at this contest.