Programme

Tuesday 11 April 2006

08.30 – 09.30 hours  Registration and Coffee
09.30 – 10.30 hours  Oceandiva Room
Scene Setter Session: Intelligence in Action
Session 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
Fahad Al-Moosa, Saudi Aramco
Can Technology Turn the Tide on Decline?
Bill Severns, The Energy Consulting Group
Financial Perspective
Karim Rashid, Morgan Stanley
Automating Workflows: Experiences and Lessons learnt
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 K.-C. 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
1530  Coffee Break
1600  99554  Intelligent Monitoring? Bore Hole Gravity Measurements!
       T. Loemans and O. Kelder, Saudi Aramco
1630  99927  Continuous 4D Monitoring is New Reality
1700  99449  Applications of Fiber-Optic Real-Time Distributed Temperature Sensing in a Heavy-Oil-Production Environment
       J. Goiffon and D. Guisthier, Halliburton Energy Services
Programme

14.00 – 17.30 hours  Amsterdam Room
Technical Session 2:  Closed-Loop Optimization
Session 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-Esparroaga, 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, Halliburton Digital and Consulting Solutions; and J.J. Vazquez-Esparroaga, KBR

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

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
Programme

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 bachelor’s 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:
David Archer, Former POSC
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. Milten, O.G. Bergjord, K. Hayland, and B. Rugland, Statoil

0900 99805 Efficient Data Management On The Rig Of The Future
M. Kirkman, P. Chapman, C. Greaves, and H. Tumbull, BP; D. Johnson, Landmark Graphics

0930 99707 A Multivendor Date-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, Invergas; 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. Orangi, and V.K. Prasanna, U. of Southern California; W. Da Sie, Chevron
Programme

08.30 – 10.30 hours Amsterdam Room
Technical Session 5: Building Blocks for Asset Management
Session Chairperson: Zuwa Omorogie, 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. Petersen, 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 Modelling and Well Placement and Positioning
N. Li, 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 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

0900 99873 The Use of Integrated Decision Making to Embed Sustainable Development
M. Kuiper, M. Stephenson, and M. Howard, Shell E&P

0930 99528 Improving Storage and Workflow of PressureRelated Information Don’t Lose your Expert Community
C. Purdy, J. Webster, and K. Brady, Knowledge Systems

1000 99243 Integration of People, Process & Technology for RightTime Production Management & Optimization in Brunei Shell Petroleum

11.00 – 12.45 hours Oceandiva Room
Plenary Session 2: Stop Procrastinating – Start Acting!
Session Moderators: Eric Deliac, Petris Technology
Peter Goode, Vetco International

A Fresh Eye from Other Industries
Technology adoption issues, Intelligence in E&P
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

Armand Carlier, Consultant
Manuelle Leppouvre, Total
Mike Utsler, BP
David Craig, McKinsey
Léon Beugelsdijk, Shell International E&P
Programme

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 modeling 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. Thambirajah, and J. Spath, Schlumberger Oilfield Services

1500  100271  Integration of a Risk-Management Tool and an Analytical Simulator for Assisted DecisionMaking in IOR
V. Alvarado, SDM; E.-M. 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. Hooijzadeh, 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

14.00 – 17.30 hours  Amsterdam Room

Technical Session 8:  Remote Operations and Virtual Training: Industry Analogies as an Example for E&P Practice
Session Chairperson:  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  Standardization Panel
Moderator:  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 panelists 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
Programme

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 practitioners 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
I. Fløysand, J.-E. 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 multwell 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 I.J. Durlowsky and K. Aziz, Stanford U.

0900  99690  A New Approach for Dynamic Optimization of Waterflooding Problems

0930  100009  Optimization of the WAG Process Under Uncertainty in a Smart Wells Environment: Utility Theory Approach

1000  99524  Control of a Displacement Front in Potential Flow Using Flow Rate Partition
H. Fyrozjoe, 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.
Programme

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  Real-Time 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 Change  
Session Chairpersons: Trond Unneland, Chevron Upstream Europe  
Ihab 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, benchwister 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 Elavy 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?  
Eric Frost, San Diego State University  
People, working, training and where will we get them?  
John Henderson, Boston University  
The future of HSE in 30 years, what will we do to have 0 incidents?  
Pat Cook, Halliburton  
National Oil company perspective resource rich/poor, how to expand and stay connected  
Chen Kah Seong, Petronas

onsite catalogue
Programme

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

1430  99945   Simulation While Drilling: Utopia or Reality?
A. Primero, C. Perez-Damas, and S. Kumar, Schlumberger, and J.E. Rodriguez, Spectrum Consultores

1500

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. DaSie, Chevron; V.K. Pusanna, 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. Nikolau, U. of Houston; A.S. Cullick and L. Sapulletti, Halliburton Digital and Consulting Solutions

1500

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

14.00 – 16.30 hours   Volendam Room
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

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
Programme

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. Ehl, OMV Austria

99336  EPINET In ONGC India: Transforming E&P Information Into Energy Intelligence  
P.K. Mitra, 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

99309  Should “Proactive” or “Reactive” Control be Chosen for Intelligent Well Management?  
F. Ebiji 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  

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.