



26th IEA Annual Workshop & Symposium  
on Enhanced Oil Recovery

**JOGMEC**

Technology & Research Center,  
Japan Oil, Gas and Metals National Corporation,  
Japan, September 25-29, 2005



## Preliminary Program on 15 August 2005

### Workshop: Collaborate Project on Enhanced Oil Recovery

#### Sunday, September 25

18:00 – 20:00      Registration

19:00 –              Welcome reception at Hotel Springs Makuhari



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## **Monday, September 26**

- 09:00 / 09:20 Bus departure to Technology & Research Center (TRC)  
09:10 – Registration / Tea & Coffee served at TRC
- 09:30 Opening**
- 09:40 Task A: Studies of Fluids and Interfaces in Porous Media**  
09:40 – 10:10 Peimao Zhang and Tor Austad: Wettability and oil recovery from carbonates: Effects of temperature and potential determining ions (NORWAY)  
10:10 – 10:40 Haruo Maeda: EOR using thin oil film drainage mechanism in water wet oil reservoir (JAPAN)
- 10:40 Task E: Dynamic Reservoir Characterization**  
10:40 – 11:10 Emmanue Manceau, Mathieu Feraille, Isabelle Zabalza-Mezghani, Ricardo Portella, Leandro Costa Reis: Advanced risk analysis approach for optimization of a water injection program -Illustration on a Brazilian field case (FRANCE)
- 11:10 Task D: Thermal Recovery**  
11:10 – 11:40 Margot Gerritsen and Rami Younis: An Adaptive In-Situ Combustion Model (USA)  
11:40 – 12:10 Tetsuo Teramoto: Air injection EOR in highly water saturated oil reservoir (JAPAN)
- 12:10 – 13:00 LUNCH**
- 13:00 Task C: Development of Gas Flooding Techniques**  
13:00 – 13:30 Koorosh Asghari, Jessie Shire, Tom Coleridge, Janelle Nagrampa, Jessie Grassick: Predicting the Performance of CO<sub>2</sub> Flooding in Weyburn Oil Field based on the Past Performance of Waterflooding (CANADA)  
13:30 – 14:00 Denis Wright and Steve le Poidevin: CO<sub>2</sub> sequestration and enhanced oil recovery in Australia (AUSTRALIA)  
14:00 – 14:30 Erling H. Stenby and Kristian Jessen: Strategies for Fluid Characterization and Parameter Regression for Miscible Gas Injection (DENMARK)
- 14:30 – 15:00 COFFEE BREAK**  
15:00 – 15:30 Wei Yan, Georgios M. Kontogeorgis, and Erling H. Stenby: Application of Advanced Thermodynamic Models for Complex Fluids and Reservoirs (DENMARK)  
15:30 – 16:00 Jose Gil Cidoncha, Eugene Balbinski, Roy Wikramaratna, and Tissa Jayasekera: Optimisation of CO<sub>2</sub> Injection into UKCS Oilfields (UK)  
16:00 – 16:30 Arne Skauge: Modelling of WAG displacement including effect of capillary pressure (NORWAY)  
16:30 – 17:00 Patrick Egermann, Brigitte Bazin, Olga Vizika: An Experimental Investigation of Reaction-Transport Phenomena during CO<sub>2</sub> Injection (FRANCE)
- 17:10 / 17:30 Bus departure to the Hotel



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## **Tuesday, September 27**

09:00 / 09:20 Bus departure to TRC

09:10 – Tea & Coffee served at TRC

### **09:30 Task B: Fundamental Research on Surfactants and Polymers**

09:30 – 10:00 René Tabary, Alain Zaitoun, Michel Renard, Guy Chauveteau, David Rousseau: Rheology and Transport in Porous Media of New Water Shutoff Microgels (FRANCE)

10:00 – 10:30 Qin Jishun: Mapping the oil saturation of chemical flooding by using multi-electrical probes method (CHINA)

10:30 – 11:00 Mohamed Aoudia, Liali Hamed Ali Al-Kasimi and Mohammed Nasser Saif Al-Shibli: Evaluation of Alkyl Ether Sulfonates in very High Saline Conditions: Application in EOR (OMAN)

### **11:00 Task F: Emerging Technologies**

11:00 – 11:30 Mike Monea: Overview and New Directions of the IEA GHG Weyburn CO2 Monitoring and Storage Project (CANADA)

11:30 – 12:00 Cor Hofstee: Enhanced Hydrocarbon Recovery Strategies (NETHERLANDS)

### **12:00 – 13:00 Group Photo & LUNCH**

13:00 – 13:30 Masaki Iijima: Flue Gas CO2 Recovery for EOR: It's Latest technology and the Cost of CO2 Delivery (JAPAN)

13:30 – 14:00 Cruz-Hernández, J., Islas-Juárez, R., Márquez-Ramírez, E., Medina-González, A.: INJECTED WATER INFLUENCE ON SHALY SANDSTONES RESERVOIRS DURING WATERFLOODING (MEXICO)

14:00 – 14:30 Merete V. Madland: The influence of CO2 gas and carbonate water on the mechanical stability of chalk (NORWAY)

### **14:30 – 15:00 COFFEE BREAK**

15:00 – 15:30 Raman Paranjape, Ningyu Liu, Koorosh Asghari: Application of Underground Sonar Techniques for Monitoring the Mixing Zone During Carbon Dioxide Flooding Process (CANADA)

15:30 – 16:00 Jozsef Papay: Synergy of Petroleum Recovery Methods (HUNGARY)

16:00 – 16:30 Eduard RIEDER: An overview of the future and ongoing activities of OMV related to IOR/EOR-research and pilot or full scale field projects (AUSTRIA)

16:30 – 17:00 Danesh, A., Tehrani, D., Jamiolahmadi, M., Sohrabi, M. and Carvajal, G.: Optimum Design of Perforation and Fracturing and Estimation of Their Impact on Gas-condensate Well Deliverability (UK)

17:10 / 17:30 Bus departure to the Hotel

19:00 – Sponsor Dinner at \*\*\*



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**Wednesday, September 28**

**Symposium:**

**“Advancement of Simulation Technologies for Improved Oil Recovery”**

- 09:00 / 09:20      Bus departure to TRC  
09:10 –              Tea & Coffee served at TRC
- 09:30 – 10:00      Komei Okatsu: EOR/IOR Research Activities of Japan in Last 10 Years and Future (JAPAN)
- 10:00 – 10:30      Mohammed K. Emera and Hemanta K. Sarma: A New Genetic Algorithm (GA)-based Technique to Model the Effects of CO<sub>2</sub> Injection on Crude Oil Properties (AUSTRALIA)
- 10:30 – 11:00      Maruro Okamoto, Bernard Bourbiaux: A review of the challenging reservoir engineering aspects of modeling the recovery from a light oil, fractured reservoir by air injection (FRANCE)
- 11:00 – 11:30      Takeshi Onishi, Komei Okatsu and Haruo Maeda: History Matching with Combustion Tube Tests for Light Oil Air Injection Project (JAPAN)
- 11:30 – 12:00      Kristian Jessen and Margot G. Gerritsen: High-Resolution Prediction of Enhanced Condensate Recovery Processes (USA)
- 12:00 – 13:00      LUNCH**
- 13:00 – 13:30      Kunihiro Funatsu, Mitsuo Tamura and Makoto Watanabe: Evaluation of hydraulic fracturing on horizontal wells (JAPAN)
- 13:30 – 14:00      Arne Skauge: Modelling of tail production by optimizing depressurization (NORWAY)
- 14:00 – 14:30      Atsushi Iino, Masanori Kurihara, Norio Arihara and Komei Okatsu: Streamline simulation of tracer flow in naturally fractured reservoirs (JAPAN)
- 14:30 – 15:00      COFFEE BREAK**
- 15:00 – 15:30      Kyuro Sasaki, Yuichi Sugai and Kodai Kato: Enhancing SAGD Performance using Additional Steam Injector into Oilsand Reservoir with Lateral Shale Stringers (JAPAN)
- 15:30 – 16:00      Yuan Shiyi, Wang Qiang and Han Dong: A new mathematical model and mechanism study of microbial enhanced oil recovery (CHINA)
- 16:00 – 16:30      M. Delshad, G. Anderson, N. Fathi, G.A. Pope, K. Sepehrnoori: Modeling Wettability Alteration in Naturally Fractured Reservoirs (USA)
- 16:30 – 17:00      Danesh, A., McDougall S., Shahabi Nejad, K. and Bondino, I.: Pore Level Investigation of Oil Depressurisation Using Visualisation Method and Network Modelling (UK)
- 17:10 / 17:30      Bus departure to the Hotel
- 19:00 –              Gala Dinner at the Hotel



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**Thursday, September 29**

10:00 – 11:30 Executive Committee Meeting at the Hotel

12:00 – 13:00 LUNCH at the Hotel

13:00 – 19:00 Post meeting tour (Optional)