

# 1<sup>st</sup> International Petroleum Environmental Conference and Exhibition

12- 14 May 2008  
Tripoli-Libya



ORGANIZED BY



**PROGRAMME BOOK**





IPEC - 2008 - TRIPOLI / LIBYA

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# 4 CONFERENCE SCHEDULE

|               | MONDAY 12 MAY |  |            | TUESDAY 13 MAY   |  |             | WEDNESDAY 14 MAY |  |            |              |   |            |
|---------------|---------------|--|------------|------------------|--|-------------|------------------|--|------------|--------------|---|------------|
|               | HALL 1        | HALL 2                                   | ROOM 1     | HALL 1           | HALL 2   | ROOM 1      | HALL 1           | HALL 2   | ROOM 1     |              |   |            |
| 9:00 - 9:15   | REGISTRATION  |  |            | KN -WWM          |  |             | KN -SRE          | WS-03<br>NORM                                    | IL -EIA 02 |              |   |            |
| 9:15 - 9:30   |               |  |            |                  |  |             |                  |  | OR-EIA 06  |              |   |            |
| 9:30 - 9:45   |               |  |            | OPENING CEREMONY |  |             | BREAK            |  |            | BREAK        |   |            |
| 9:45 - 10:00  | KN -APE       |  |            |                  |  |             | OR-WWM 06        | WS-02<br>Oil Spills and<br>Emergency<br>Response | OR-EPA 07  | OR-SRE 05    | WS-03<br>Naturally<br>Occurring<br>Radio Active<br>Material | IL -EIA 03 |
| 10:00 - 10:15 |               |  |            |                  |  |             | OR-WWM 07        |  | OR-EPA 08  | OR-SRE 06    |   | OR-EIA 07  |
| 10:15 - 10:30 |               |  |            |                  |  |             | OR-WWM 08        |  | OR-EPA 09  | OR-SRE 07    |   | OR-EIA 08  |
| 10:30 - 10:45 |               |  |            |                  |  |             | OR-WWM 09        |  | OR-EPA 10  | OR-SRE 08    |   | OR-EIA 09  |
| 10:45 - 11:00 |               |  |            |                  |  |             | OR-WWM 10        |  | OR-EPA 11  |              |   |            |
| 11:00 - 11:15 | COFFEE BREAK  |  |            |                  |  |             | COFFEE BREAK     |  |            | COFFEE BREAK |   |            |
| 11:15 - 11:30 | COFFEE BREAK  |  |            | COFFEE BREAK     |  |             | COFFEE BREAK     |  |            |              |   |            |
| 11:30 - 11:45 | COFFEE BREAK  |  |            | COFFEE BREAK     |  |             | COFFEE BREAK     |  |            |              |   |            |
| 11:45 - 12:00 | IL - APE 01   | WS-01<br>Produced<br>Water<br>Management | OR-WWM 01  | IL -EIA 01       | WS-02<br>Oil Spills and<br>Emergency<br>Response | IL - APE 02 | IL - SWM 02      | WS-04<br>Education                               | OR-APE 11  |              |   |            |
| 12:00 - 12:15 | OR-APE 01     |  | OR-WWM 02  | OR-EIA 01        |  | OR-APE 06   | OR-SWM 06        |  | OR-APE 12  |              |   |            |
| 12:15 - 12:30 | OR-APE 02     |  | OR-WWM 03  | OR-EIA 02        |  | OR-APE 07   | OR-SWM 07        |  | OR-APE 13  |              |   |            |
| 12:30 - 12:45 | OR-APE 03     |  | OR-WWM 04  | OR-EIA 03        |  | OR-APE 08   | OR-SWM 08        |  | OR-APE 14  |              |   |            |
| 12:45 - 13:00 | OR-APE 04     |  | OR-WWM 05  | OR-EIA 04        |  | OR-APE 09   | OR-SWM 09        |  | OR-APE 15  |              |   |            |
| 13:00 - 13:15 | OR-APE 05     |  |            | OR-EIA 05        |  | OR-APE 10   | OR-SWM 10        |  |            |              |   |            |
| 13:15 - 13:30 | LUNCH BREAK   |  |            | LUNCH BREAK      |  |             | LUNCH BREAK      |  |            |              |   |            |
| 13:30 - 13:45 | LUNCH BREAK   |  |            | LUNCH BREAK      |  |             | LUNCH BREAK      |  |            |              |   |            |
| 13:45 - 14:00 | LUNCH BREAK   |  |            | LUNCH BREAK      |  |             | LUNCH BREAK      |  |            |              |   |            |
| 14:00 - 14:15 | LUNCH BREAK   |  |            | LUNCH BREAK      |  |             | LUNCH BREAK      |  |            |              |   |            |
| 14:15 - 14:30 | LUNCH BREAK   |  |            | LUNCH BREAK      |  |             | LUNCH BREAK      |  |            |              |   |            |
| 14:30 - 14:45 | IL - SWM 01   | WS-01<br>Produced<br>Water<br>Management | IL -EPA 01 | IL -MCO 01       | WS-02<br>Oil Spills and<br>Emergency<br>Response | IL -SRE 01  | CLOSING SESSION  |  |            |              |   |            |
| 14:45 - 15:00 | OR-SWM 01     |  | OR-EPA 01  | OR-MCO 01        |  | OR-SRE 01   |                  |  |            |              |   |            |
| 15:00 - 15:15 | OR-SWM 02     |  | OR-EPA 02  | OR-MCO 02        |  | OR-SRE 02   |                  |  |            |              |   |            |
| 15:15 - 15:30 | OR-SWM 03     |  | OR-EPA 03  | OR-MCO 03        |  | OR-SRE 03   |                  |  |            |              |   |            |
| 15:30 - 15:45 | OR-SWM 04     |  | OR-EPA 04  | OR-MCO 04        |  | OR-SRE 04   |                  |  |            |              |   |            |
| 15:45 - 16:00 | OR-SWM 05     |  | OR-EPA 05  | OR-MCO 05        |  |             |                  |  |            |              |   |            |
| 16:00 - 16:15 |               | OR-EPA 06                                | OR-MCO 06  |                  |  |             |                  |  |            |              |   |            |
| 16:15 - 16:30 |               |  |            |                  |  |             |                  |  |            |              |   |            |



LIST OF ABBREVIATIONS

|     |   |
|-----|---|
| KN  | Keynote speaker   |
| IL  | Invited Lecture   |
| OR  | Oral Presentation                                       |
| APE | Air pollution emissions control                         |
| WWM | Water and waste water management                        |
| MCO | Marine and coastal oil facilities pollution management  |
| SWM | Solid waste management                                  |
| SRE | Site remediation  |
| EPA | Environmental policy, awareness, education and training |
| EIA | Environmental impact assessment and emergency response  |
| WS  | Workshop  |



ALLOCATED TIME

|    |                   |       |
|----|-------------------|-------|
| KN | Keynote Speakers  | 45 m. |
| IL | Invited Lecture   | 30 m. |
| OR | Oral Presentation | 15 m. |



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## 6 Daily Programme Overview

| Monday 12 May 2008         |   |                           |  |
|----------------------------|---|---------------------------|--|
| 9:30 - 11:15               | <b>OPENING CEREMONY</b><br><i>Keynote: Mohamed S. Barkindo</i>    | Dat-Alemad Hall - 1 and 2 |   |
| 11:15 - 11:45              | <b>COFFEE BREAK</b>   | Dat-Alemad pavilion       |   |
| <b>TECHNICAL PROGRAMME</b> |   |                           |  |
| 11:45 - 13:30              | Air Pollution Emissions Control Session 1                         | Dat-Alemad Hall - 1       |   |
|                            | Water and Waste Water Management Session 1                        | Dat-Alemad Room - 1       |  |
|                            | Produced Water Management Workshop Session 1                      | Dat-Alemad Hall - 2       |  |
| 13:00 - 15:00              | <b>INVITED LUNCH</b>  |                           |    |
| 13:30 - 14:30              | <b>SNACK LUNCH</b>  | Dat-Alemad pavilion       | <br><small>NIPPON OIL EXPLORATION<br/>Your Choice of Energy</small> |
| <b>TECHNICAL PROGRAMME</b> |   |                           |  |
| 14:30 - 16:30              | Solid waste management Session 1                                  | Dat-Alemad Hall - 1       |   |
|                            | Environmental policy, awareness, education and training Session 1 | Dat-Alemad Room - 1       |  |
|                            | Produced Water Management Workshop Session 2                      | Dat-Alemad Hall - 2       |  |



| Tuesday 13 May 2008 |   |  |
|---------------------|---|--|
| 9:00 - 9:45         | <b>TECHNICAL PROGRAMME</b><br><i>Keynote: James D. Navratil</i>   | Dat-Alemad Hall - 1  |
| 9:45 - 10:00        | <b>BREAKE</b>   | Dat-Alemad pavilion   |
| 10:00 - 11:15       | <b>TECHNICAL PROGRAMME</b>  |  |
|                     | Water and Waste Water Management Session 2                        | Dat-Alemad Hall - 1  |
|                     | Environmental policy, awareness, education and training Session 2 | Dat-Alemad Room - 1  |
|                     | Oil Spills And Emergency Response Work Shop Session 1             | Dat-Alemad Hall - 2   |
| 11:15 - 11:45       | <b>COFFEE BREAKE</b>  | Dat-Alemad pavilion    |
| 11:45 - 13:30       | <b>TECHNICAL PROGRAMME</b>  |  |
|                     | Environmental impact assessment and emergency response Session 1  | Dat-Alemad Hall - 1  |
|                     | Air Pollution Emissions Control Session 2                         | Dat-Alemad Room - 1  |
|                     | Oil Spills And Emergency Response Work Shop Session 2             | Dat-Alemad Hall - 2   |
| 13:00 - 15:00       | <b>INVITED LUNCH</b>  |  <b>مصدر</b><br>مجموعة أبوظبي لتجارة الطاقة المتجددة                                    |
| 13:30 - 14:30       | <b>SNAK LUNCH</b>   | Dat-Alemad pavilion <br><b>ENEOS</b><br>NIPPON OIL EXPLORATION<br>Your Choice of Energy |
| 14:30 - 16:30       | <b>TECHNICAL PROGRAMME</b>  |  |
|                     | Marine and coastal oil facilities pollution mangagement Session 1 | Dat-Alemad Hall - 1  |
|                     | Site remediation Session 1  | Dat-Alemad Room - 1  |
|                     | Oil Spills And Emergency Response Work Shop Session               | Dat-Alemad Hall - 2   |



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| Tuesday 13 May 2008        |  |  |
|----------------------------|--|--|
| <b>TECHNICAL PROGRAMME</b> |  |  |
| 9:00 - 9:45                | <i>Keynote: James D. Navratil</i>                                | Dat-Aleamad Hall - 1   |
|                            | Environmental impact assessment and emergency response Session 2 | Dat-Aleamad Room - 1   |
|                            | Naturally Occurring Radio Active Material Workshop Session 1     | Dat-Aleamad Hall - 2   |
| 9:45 - 10:00               | <b>BREAKE</b>  | Dat-Aleamad pavilion    |
| <b>TECHNICAL PROGRAMME</b> |  |  |
| 10:00 - 11:15              | Environmental impact assessment and emergency response Session 2 | Dat-Aleamad Hall - 1   |
|                            | Site remediation Session 2                                       | Dat-Aleamad Room - 1   |
|                            | Naturally Occurring Radio Active Material Workshop Session 2     | Dat-Aleamad Hall - 2   |
| 11:15 - 11:45              | <b>COFFEE BREAKE</b>   | Dat-Aleamad pavilion  |
| <b>TECHNICAL PROGRAMME</b> |  |  |
| 11:45 - 13:30              | Solid waste management Session 2                                 | Dat-Aleamad Hall - 1   |
|                            | Air Pollution Emissions Control Session 3                        | Dat-Aleamad Room - 1   |
|                            | Environmental Education Workshop                                 | Dat-Aleamad Hall - 2   |
| 13:00 - 14:30              | <b>INVITED LUNCH</b>   |                       |
| 13:30 - 14:30              | <b>SNACK LUNCH</b>   | Dat-Aleamad pavilion  |
| 14:30 - 15:30              | <b>CLOSING CERMONY</b>   |                       |
| SIGHT SEEING TOUR          |  | Tuesday 13 May 2008  |
| 8:00 - 18:00               | <b>SABRATAH</b>  |                       |
|                            | <b>LUNCH</b>   |                       |



## Technical Programme

### Keynote Speakers

(Place: Hall - 1)

KEYNOTE SPEAKER 01

Monday 12 May 2008  
10:30-11:15

**Mohamed S. Barkindo**

*Special Projects Coordinator, Nigerian National Petroleum Corporation*

**Climate Change and its impact on Oil Exporting Countries**

(Place: Hall - 1)

KEYNOTE SPEAKER 02

Tuesday 13 May 2008  
9:00-9:45

**James D. Navratil**

*Hazen Research, Indiana St., Golden, Colorado USA*

**ADVANCES IN WATER TREATMENT TECHNOLOGIES IN THE PETROLEUM AND PETROCHEMICAL INDUSTRIES**

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(Place: Hall - 1)

KEYNOTE SPEAKER 03

Wednesday 14 May 2008  
9:00-9:45

**Monji Ferchichi**

*CEO and Chairman of the Board of KAM Biotechnology Ltd.*

**APPLICATION OF BIOLOGY IN POLLUTION TREATMENT**



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# 10 Technical Programme Workshops

SESSION: Or (Place: Hall - 2)

|              |                                  |   |
|--------------|----------------------------------|---|
| WORKSHOP 01  |                                  | Monday 12 May 2008  |
| Organized by | Shell                            |  |
| 11:45-13:30  | <b>Produced Water Management</b> |   |
| 14:30-16:30  |                                  |   |


SESSION: Or (Place: Hall - 2)

|              |  |  |
|--------------|--|--|
| WORKSHOP 02  |  | Tuesday 13 May 2008  |
| Organized by | Mediterranean Oil Industry Group (MOIG)  |  |
| 10:30-11:15  | <b>Oil Spills and Emergency Response</b> |  |
| 11:45-13:30  |  |  |
| 14:30-16:30  |  |  |

SESSION: Or (Place: Hall - 2)

|              |  |   |
|--------------|--|---|
| WORKSHOP 03  |  | Wednesday 14 May 2008   |
| Organized by | Chevron  |  |
| 9:00-9:45    | <b>Naturally Occurring Radio Active Material</b> |   |
| 10:00-11:15  |  |   |

SESSION: Or (Place: Hall - 2)

|              |                                 |   |
|--------------|---------------------------------|---|
| WORKSHOP 03  |                                 | Wednesday 14 May 2008   |
| Organized by | Academy of Postgraduate Studies |  |
| 11:15-13:30  | <b>Environmental Education</b>  |   |
|              |                                 |   |



# Technical Programme

## Oral Sessions

**SESSION: Or 01 (Place: Hall - 1)**

|   |   |  |
|---|---|--|
| <b>AIR POLLUTION EMISSIONS CONTROL SESSION 1</b>            |   | <b>Monday 12 May 2008</b><br>11:45-13:30 |
| <b>Chairmen: Bourima A. Belgasem and Abdullah A. Ballut</b> |   |  |
| IL-APE 01   | <b>LIBYAN CLIMATE CHANGE AND THE OIL INDUSTRY</b><br>Ralf Toumi   |  |
| OR-APE 01   | <b>RANG DONG ASSOCISTED GAS UTILIZATION (CDM) PROJECT BLOCK 15-2, OFFSHORE VIETNAM - A New Approach To Utilize The Natural Associated Gas In Upstream Business</b><br>Do Ngoc Thanh |  |
| OR-APE 02   | <b>MANAGEMENT OF GREENHOUSE GASES PRODUCED DURING NATURAL GAS PRODUCTION IN CROATIA</b><br>Lidia Hrncevic, Daria Karasalihovic Sedlar, Boris Muvrin, Zdenko Kristafor               |  |
| OR-APE 03   | <b>ETHANOL AS AN MTBE REPLACEMENT: PHASING OUT MTBE GASOLINE IN LIBYA</b><br>Maher A.R. Sadiq Al-Baghdadi, Hashim R. Abdol Hamid, Abdulah El Hinshiri, Salem El jawashi             |  |
| OR-APE 04   | <b>CAPTURE OF CARBON DIOXIDE FROM FLUE GASES BY SOLID SORBENTS</b><br>Mohamed M. Elgarni & Mustafa A.abunowara  |  |
| OR-APE 05   | <b>EXPERIMENTAL AND MODELING INVESTIGATION INTO NOX EMISSION FROM NATURAL GAS FLAMES</b><br>Khames Rabea  |  |

**SESSION: Or 02 (Place: Room - 1) IPEC - 2008 - TRIPOLI / LIBYA**

|  |   |  |
|--|---|--|
| <b>WATER AND WASTE WATER MANAGEMENT SESSION 1</b>        |   | <b>Monday 12 May 2008</b><br>11:45-13:30 |
| <b>Chairmen: Charles Le Quesne and James D. Navratil</b> |   |  |
| OR-WWM 01  | <b>STUDY OF COMPOSITION OF PRODUCED WATER OF HAMADA OILFIELD AND ITS ASSESSMENT FOR UTILIZATION IN IRRIGATION PURPOSE</b><br>Abdelsalam El Shibli, Iftikhar Ahmad, Abdulla El Henshir, Kalid El jaroug , Hasim R. Abdol Hamid |  |
| OR-WWM 02  | <b>CHROMATOGRAPHIC DETERMINATION OF WATER IN GLYCOL EMPLOYED IN DEHYDRATION PROCESS OF PETROLEUM GAS</b><br>Wahab K. Al-Thamir, Saber E. Mansour, Vivek Kumar Undralla, Mojahidul Islam and Sateesh Kumar                     |  |
| OR-WWM 03  | <b>ZERO DISCHARGE PROJECT WAFRA OIL FIELD KUWAIT PNZ</b><br>Jeff Wyatt  |  |
| OR-WWM 04  | <b>REMOVAL OF PHENOL AND M-CRESOL FROM PETROCHEMICAL WASTEWATER USING PAC ADDITIONAL IN ACTIVATED SLUDGE SYSTEM</b><br>Farag.A. El-Mabrouk  |  |
| OR-WWM 05  | <b>ASSESSMENT AND TREATMENT OF POLLUTANTS IN EFFLUENTS OF OILFIELD CHEMICALS PRODUCTION PLANT</b><br>Fathia Ahmed Hamad, Mohamed Salem Hamouda and Iftikhar Ahmad   |  |



**SESSION: Or 03 (Place: Hall - 1)**

| SOLID WASTE MANAGEMENT SESSION 1                  |  | Monday 12 May 2008<br>14:30-16:15 |
|---|--|-----------------------------------|
| <b>Chairmen: Stephen D.Jester and Rafa Labedi</b> |  |                                   |
| IL-SWM 01   | <b>EMERGING BIOLOGICAL TECHNOLOGIES FOR RESIDUAL TANK BOTTOM SLUDGE CLEANING AND HYDROCARBONS RECOVERY</b><br>Ibrahim Banat and Ivo Rancich                            |                                   |
| OR-SWM 01   | <b>SOLID WASTE MANAGEMENT</b><br>Abdulatif Belgasem Mansour  |                                   |
| OR-SWM 02   | <b>DEVELOPING AN ADVISORY SYSTEM FOR SLURRY FRACTURE INJECTION TECHNOLOGY FOR MANAGING DRILLING WASTE</b><br>Abdalbast Ahmied, Amy Veawab, and Mohamed Edail           |                                   |
| OR-SWM 03   | <b>EXPLORATION &amp; PRODUCTION (E&amp;P) WASTE MANAGEMENT SYSTEM: SOME CASE STUDIES</b><br>Abda Rahman Ali Almgadmi K Bindra, M.Borg, S.P.Bindra                      |                                   |
| OR-SWM 04   | <b>NATURALLY OCCURRING RADIOACTIVE MATERIAL (NORM) IN OIL FIELDS; CLEANING OF STORAGE TANK</b><br>S.M.Alfakhri, B.H.Elfawaris, M.B.Alamina, A.O. Abubaker, M.M.Alajili |                                   |
| OR-SWM 05   | <b>SOLID WASTE MANAGEMENT AND AGOCO EXPERIENCE</b><br>Abdusalam O.M. Alshibli  |                                   |

**SESSION: Or 04 (Place: Room - 1)**

| ENVIRONMENTAL POLICY, AWARENESS, EDUCATION AND TRAINING SESSION 1 |  | Monday 12 May 2008<br>14:30-16:30 |
|---|--|-----------------------------------|
| <b>Chairmen: Farag A El-Mabrouk and Pieter scotti</b>             |  |                                   |
| IL-EPA 01   | <b>IMPROVEMENT OF ENVIRONMENTAL MANAGEMENT IN LIBYA</b><br>Joke van Dijk   |                                   |
| OR-EPA 01   | <b>ENVIRONMENTAL PERFORMANCE STANDARDS ENHANCE ENVIRONMENTAL PERFORMANCE</b><br>Robert E. Hoffmann, Steve McHugh, Rafa Labedi  |                                   |
| OR-EPA 02   | <b>ENVIRONMENT LEGAL PROTECTION IN LIBYAN LAW AND OIL INDUSTRY CONTRACTS</b><br>Ramadan Majdub, Hassin Lahmer  |                                   |
| OR-EPA 03   | <b>ISSUES RELATED TO REGULATION, CONTROL, AND WASTE MANagements OF NATURAL LOW SPECIFIC ACTIVITY SCALES IN OIL PRODUCTION FACILITIES IN THE GREAT JAMAHIRIYA</b><br>B. H. El-fawaris |                                   |
| OR-EPA 04   | <b>SUSTAINABLE ENVIRONMENT AND THE PETROLEUM EXPLORATION IN KUFRA BASIN</b><br>Hadi S. Belazi, Mohamed S Hamouda<br>and Ibrahim Atwahni  |                                   |
| OR-EPA 05   | <b>ENVIRONMENTAL APPLICATIONS OF COMPUTATIONAL FLUID DYNAMICS: SOME CASE STUDIES</b><br>Maher A.R. Sadiq Al-Baghdadi, Hashim R. Abdol Hamid, Abdulah El Hinshiri, Salem El jawashi   |                                   |
| OR-EPA 06   | <b>INVOLVING COMMUNITY IN ENVIRONMENTAL POLLUTION DUE TO PETROLEUM PRODUCTS</b><br>Asharaf Abdul Salam   |                                   |

**SESSION: Or 05 (Place: Hall - 1)****WATER AND WASTE WATER MANAGEMENT SESSION 2**Tuesday 13 May 2008  
9:00-11:15**Chairmen: James D. Navratil and Lidia Hrncevic**

|           |  |
|-----------|--|
| KN-WWM 01 | <b>ADVANCES IN WATER TREATMENT TECHNOLOGIES IN THE PETROLEUM AND PETROCHEMICAL INDUSTRIES</b><br>James D. Navratil   |
| OR-WWM 06 | <b>ELECTROCHEMICAL DECONTAMINATION OF INDUSTRIAL WASTE WATER CONTAINING COPPER AND CADMIUM HEAVY METALS</b><br>M. M. Abd El Aziz   |
| OR-WWM 07 | <b>THE DISPOSAL OF LIBYAN FIELDS' PRODUCED WATER BY USING EVAPORATION PONDS</b><br>Muhammed Saeed  |
| OR-WWM 08 | <b>REMOVAL OF Fe(II) FROM AQUEOUS SOLUTIONS BY <i>Traganum nudatum</i> (DAMARAN) PLANT USING ATOMIC ABSORPTION SPECTROMETRY TECHNIQUE</b><br>M. A. Ackachaa, M. S. Suliman, F. K. Awad and M. A. Mahmoud |
| OR-WWM 09 | <b>DEVELOPMENT OF HYBRID REACTOR FOR ONSITE EFFLUENT TREATMENT</b><br>Navin Jacob Koshy, Chandran A.N, Sateesh Kumar and Saber E Mansour   |
| OR-WWM 10 | <b>THE ROLE OF THE EXCHANGE COEFFICIENT AND HYDRAULIC CONDUCTIVITY IN KARST AQUIFERS</b><br>Khaled A. Rashed   |

**SESSION: Or 06 (Place: Room - 1) IPEC - 2008 - TRIPOLI / LIBYA****ENVIRONMENTAL POLICY, AWARENESS, EDUCATION AND TRAINING  
SESSION 2**Tuesday 13 May 2008  
10:00-11:15**Chairmen: Joke Van Dijk and Mohamed Rahuma**

|           |  |
|-----------|--|
| OR-EPA 07 | <b>ENVIRONMENTAL AND TECHNOLOGICAL CONSIDERATIONS OF USING SYNTHETIC OIL-BASED DRILLING FLUIDS</b><br>Abdel Meneim M. El Dernawi and Iftikhar Ahmad  |
| OR-EPA 08 | <b>PTQI INITIATIVES ON BEST PRACTICES TO COMBAT EMISSION IN OIL AND GAS INDUSTRY WITH SPECIAL REFERENCE TO FLARING IN LIBYA TO TACKLE CLIMATE CHANGE</b><br>Shban Agha, Hassan Lahmer, Ali Deib & S.P.Bindra |
| OR-EPA 09 | <b>CLIMATE DATA IN ENVIRONMENTAL STUDIES</b><br>Younis Shaban Al-Fenadi  |
| OR-EPA 10 | <b>EXPLORATION OPERATIONS IN A SENSITIVE ENVIRONMENT IN LIBYA: LIBYA, CYRENAICA PLATFORM &amp; MURZUK BASIN</b><br>Bill McChristie   |
| OR-EPA 11 | <b>CORPORATE ENVIRONMENTAL RESPONSIBILITY, ACCOUNTABILITY AND DISCLOSURE: THE PERCEPTION OF LIBYAN OIL COMPANIES MANAGERS</b><br>Nassr Salaeh M. Ahmad, Hussin Ramadan Al-ahmar                              |



**SESSION: Or 07 (Place: Hall - 1)**

| ENVIRONMENTAL IMPACT ASSESSMENT AND EMERGENCY RESPONSE SESSION 1 |   | Tuesday 13 May 2008<br>15:00-17:00 |
|--|---|------------------------------------|
| Chairmen: Ibrahim Elkelani and Criss Suther                      |   |                                    |
| IL-EIA 01  | <b>BETTER EIAs – APPROACHES TO IMPROVE THE EFFECTIVENESS OF ENVIRONMENTAL IMPACT ASSESSMENT FOR OIL &amp; GAS INDUSTRY DEVELOPMENTS</b><br>Peter Scott-Wilson, Hamdi El-Ghonemy |                                    |
| OR-EIA 01  | <b>EVALUATION OF NOISE LEVELS IN AMMONIA AND UREA PLANTS</b><br>Mohamed A. Bazen, Khalid M. Bukhatwa  |                                    |
| OR-EIA 02  | <b>INVESTIGATION OF TANK FLOOR BY C.I.A.E.T (COMPULSORY INDUCED ACOUSTIC EMISSION TECHNIQUE)</b><br>Mauro Piccolo   |                                    |
| OR-EIA 03  | <b>SEISMIC SURVEY AND RISK ASSESSMENT FOR BLOCK 40, AREA 3 &amp; 4 OFFSHORE BENGHAZI LIBYA</b><br>Abdulhamed Shahlol and Takehiko Sato  |                                    |
| OR-EIA 04  | <b>ENI NORTH AFRICA B.V.: HEALTH IMPACT ASSESSMENT (HIA) FOR KUFRA AND MURZUQ PROJECTS</b><br>Angelo Madera   |                                    |
| OR-EIA 05  | <b>RISK-BASED SCREENING LEVELS FOR PETROLEUM HYDROCARBON IMPACTS AT E&amp;P SITES IN LIBYA</b><br>Hamdi El-Ghonemy  |                                    |

**SESSION: Or 08 (Place: Room - 1)**

| AIR POLLUTION EMISSIONS CONTROL SESSION 2 |   | Tuesday 13 May 2008<br>11:45-13:30 |
|---|---|------------------------------------|
| Chairmen: Ibrahim Banat and Coma Aukanosa |   |                                    |
| IL-APE 02                                 | <b>AUTOMATED AIR QUALITY MONITORING TECHNOLOGIES</b><br>Jim Mills   |                                    |
| OR-APE 06                                 | <b>BASELINE ENVIRONMENTAL IMPACT ASSESSMENT STUDY IN SOUTHERN KUWAIT-AIR QUALITY PART</b><br>A.A. Ramadan   |                                    |
| OR-APE 07                                 | <b>CARBON PROJECTS IN THE MENA REGION</b><br>Rabia Ferroukhi  |                                    |
| OR-APE 08                                 | <b>USING COMPUTERIZED EMISSION MANAGEMENT SYSTEMS(CEMS) TO REDUCE EMISSIONS AT OIL AND GAS SITES</b><br>Issam Wadi  |                                    |
| OR-APE 09                                 | <b>EFFECT OF SAFE REDUCTION MEASURES ON FEUL CONSUMPTION IN TRANSPORTATION SECTOR</b><br>Ahmed Mohamed Alhodairi  |                                    |
| OR-APE 10                                 | <b>STUDIES THE ROLE OF TRANSITION METALS IN SPINELS MATERIALS TO IMPROVE THE ACTIVITY OF SO<sub>x</sub> ADDITIVE</b><br>Ahmed N. Awad, Li Cheng Lie, Mohamed M. Aboabboud and Hesham G.M. Ibrahim |                                    |



**SESSION: Or 09 (Place: Hall - 1)**

| MARINE AND COASTAL OIL FACILITIES POLLUTION MANGAEMENT<br>SESSION 1 |   | Tuesday 13 May 2008<br>14:30-16:30 |
|---|---|------------------------------------|
| <b>Chairmen: Richard Bwr and Mongi Ferchichi</b>                    |   |                                    |
| IL-MCO 01   | <b>OFFSHORE OIL SPILL CONTINGENCY PLANNING- KNOWLEDGE SHARE - UK APPROACH</b><br>Paul Pisani and Dawn Maclnnes  |                                    |
| OR-MCO 01   | <b>ENVIRONMENTAL IMPACT OF COASTAL CONCRETE STRUCTURE FOR OIL &amp; GAS INDUSTRY IN LIBYA</b><br>Ziad Hasan Salman, M Bindra, K Bindra, S.P.Bindra  |                                    |
| OR-MCO 02   | <b>COASTAL PROTECTION - PROTECTING ASSETS IN A SUSTAINABLE MANNER</b><br>Paul Pisani and Dawn Maclnnes  |                                    |
| OR-MCO 03   | <b>MARITIME SYSTEM PROTECTION WITH SPECIAL SELF- RISING BOOMS (INTERNATIONAL PATENT APPLICATIONS: PCT/HR2004/000044, PCT/HR2004/000047, PCT/HR2004/000048)</b><br>Boris Muvin, Lidia Hrncevic, Daria Karasalihovic Sedlar |                                    |
| OR-MCO 04   | <b>SANDHOPPERS AND BEACH FLEAS AS BIOMONITORS OF SANDY BEACHES CONTAMINATION: TRACE METALS AND PAHS</b><br>Alberto Ugolini, Silvia Somigli, Giuseppe Ungherese, Francesca Borghini, Davide Baroni, Silvano Focardi        |                                    |
| OR-MCO 05   | <b>LEVELS OF HYDROCARBONS IN THE SEDIMENT OF THE COAST EXTENT FROM THE INDUSTRIAL CITY OF RAS LANOF TO THE CITY OF DRYANA</b><br>Mohamed S.Hamouda, Nura S El tajouri and Fakri Hamouda                                   |                                    |
| OR-MCO 06   | <b>POLLUTION SOURCES OF THE MARINE AND COASTAL AREAS</b><br>N. Bshina, R. Jallah, S. Kershman, and Y. Benshaban   |                                    |

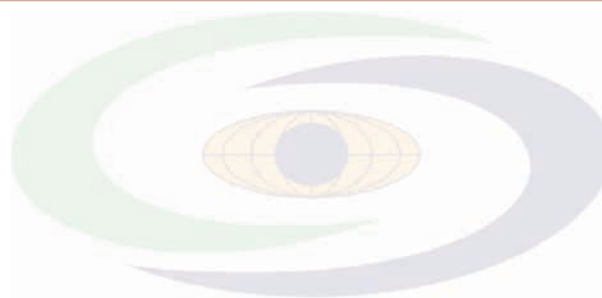
**SESSION: Or 10 (Place: Room - 1) IPEC - 2008 - TRIPOLI / LIBYA**

| SITE REMEDIATION SESSION 1                        |  | Tuesday 13 May<br>14:30-16:00 |
|---|--|-------------------------------|
| <b>Chairmen: Alberto Ugolini and Fawaris B .H</b> |  |                               |
| IL-SRE 01   | <b>ROLE OF MICROORGANISMS IN PETROLEUM DEGRADATION: A SHORT REVIEW</b><br>Badrul Islam, Md. Zeyallah, Mohammed Atif, Saber E Mansour, Ibrahim I Mustafa, Azza S Abdelkafe, Mohamed A ElSaady, Mohamed El Triki2 & Arif Ali |                               |
| OR-SRE 01   | <b>STUDY THE EFFECTS OF BIO-SURFACTANT (RHAMNOLIPID) ON CONTAMINATED SOIL BY PETROLEUM HYDROCARBONS</b><br>Abdusalam Bassam A. Elgammudi, Rehab Bashir, Ryma Sandouk and Abdurrahim Elouzi                                 |                               |
| OR-SRE 02   | <b>IMPACT OF PETROLEUM HYDROCARBONS ON AN OIL-SPILLAGE SITE IN NIGER DELTA, NIGERIA</b><br>Leo C. Osuji* and Inimfon A. Udoetok  |                               |
| OR-SRE 03   | <b>BIOREMEDIATION OF SOIL &amp; GROUNDWATER CONTAMINATED WITH HYDROCARBONS, BTEX, MTBE</b><br>Mongi Ferchichi  |                               |
| OR-SRE 04   | <b>SIMULATION OF BIOREMEDIATION PROCESS AND STRATEGIC STUDY FOR CONTAMINATED SOIL BY CRUDE OIL AT OILFIELD USING CFD MODEL</b><br>Hashim R. Abdol Hamid, Maher A.R. Sadiq Al Baghdadi, Abdulah ElHinshiri, Salem Eljawashi |                               |



**SESSION: Or 11 (Place: Room - 1)**

|   |  |  |
|---|--|--|
| <b>SITE REMEDIATION SESSION 2</b>         |  | <b>Wednesday 14 May 2008<br/>10:00-11:00</b> |
| <b>Chairmen: Do Ngoc and Thanh Bandra</b> |  |  |
| OR-SRE 05                                 | <b>BIOCHEMICAL REMEDIATION OF RESIDUAL HYDROCARBON PRODUCT IN SOIL AND GROUNDWATER</b><br>Fahri D. Alsawaf   |  |
| OR-SRE 06                                 | <b>NOC-JOGMEC JOINT STUDY ON "PRODUCED WATER TREATMENT AND OILY SOIL REMEDIATION"</b><br>Hiroyuki Sekino, Salem El-jawashi and Mohamed Adbib   |  |
| OR-SRE 07                                 | <b>DEALING WITH PETROLEUM SPILLAGES-ECOLOGY OF IN SITU HYDROCARBON BIODEGRADATION AND ITS IMPROVEMENT FOR BIOREMEDIATION</b><br>Manjunath Kopparam, Sateesh Kumar, Vivek Kumar Undrella and Saber E. Mansour |  |
| OR-SRE 08                                 | <b>BIOREMEDIATION OF LIBYAN CRUDE OIL-CONTAMINATED SOIL UNDER MESOPHILIC AND THERMOPHILIC CONDITIONS</b><br>Mogadmi, Farid and Hesnawi, Rafik  |  |



**SESSION: Or 12 (Place: Hall - 1)**

|   |  |   |
|---|--|---|
| <b>ENVIRONMENTAL IMPACT ASSESSMENT<br/>AND EMERGENCY RESPONSE SESSION 2</b> |  | <b>Wednesday 14 May 2008<br/>9:00-11:15</b> |
| <b>Chairmen: Angelo Moderen and Mohamed Hamouda</b>                         |  |   |
| IL-EIA 02   | <b>RISK-BASED ENVIRONMENTAL ASPECTS ASSESSMENT</b><br>H. Rodger Melton, Nina K. Springer   |   |
| OR-EIA 06   | <b>ENVIRONMENTAL POLLUTION IN PETROLEUM REFINERIES/INDUSTRIES</b><br>Mohammad Imran Ali Khan   |   |
| IL-EIA 03   | <b>ARCHAEOLOGY AND THE HYDROCARBON SECTOR IN LIBYA: A ONCE IN A GENERATION OPPORTUNITY</b><br>Charles Le Quesne  |   |
| OR-EIA 07   | <b>ENVIRONMENTAL CONSIDERATION OF OILFIELD CHEMICALS USED IN OIL AND GAS PRODUCTION</b><br>Iftikhar Ahmad, Rajab Gazwi, Ezzedin Alshoeby and Abdulla Elhenshir   |   |
| OR-EIA 08   | <b>HEAVY METALS DEPOSITION IN ROAD SIDE DUST, TOPSOIL AND APPLICATION OF <i>Dodonaea viscosa</i> AS BIOMONITOR AROUND MEDITERRANEAN COASTAL AREA OF TRIPOLI, LIBYA.</b><br>A.M. Almathnani, M.B. Chirgawi, M.A. Elssaidi, B.Y. Kahled and Inamul Haq |   |
| OR-EIA 09   | <b>DOPE FREE TENARIS PREMIUM CONNECTION RUN TEST</b><br>Mario Vespa and Emad S Hanna   |   |



**SESSION: Or 13(Place: Hall - 1)**

| SOLID WASTE MANAGEMENT SESSION 2                        |   | Wednesday 14 May 2008<br>11:45-13:30 |
|---|---|--------------------------------------|
| <b>Chairmen: Eni Angelo Moderen and Mohamed Hamouda</b> |   |                                      |
| IL-SWM 02   | <b>THE CURRENT STATE OF PRACTICE FOR MANAGEMENT AND REMEDIATION OF NORM IMPACTED WASTES</b><br>Robert E. Hoffmann, Kevin J. Grice, Eman Sherif  |                                      |
| OR-SWM 06   | <b>NON-AQUEOUS MUD CONTAMINATED DRILL CUTTINGS – AN EVALUATION OF THEIR ENVIRO-NMENTAL IMPACT AND HOW THIS CAN BE BEST MINIMISED USING SPECIFIC THERMAL TECHNOLOGY</b><br>Alex McGhee |                                      |
| OR-SWM 07   | <b>TE - NORM MANAGEMENT IN OIL &amp; GAS FIELDS OF SIRTE OIL COMPANY</b><br>Omar Mohamed Omora, Faraj Emhemed El flegi  |                                      |
| OR-SWM 08   | <b>A BIOLOGICAL TANK CLEANING SYSTEM ENHANCING SAFETY ENVIRONMENTAL ADVANTAGES AND OPERATIONAL RETURNS</b><br>Ivo Rancich and Ibrahim Banat   |                                      |
| OR-SWM 09   | <b>NATURALLY OCCURRING RADIOACTIVE MATERIALS (NORM) IN SHALE SAMPLES FROM OIL DRILL CORES</b><br>Mhemmad M. Alajili, and Fawaris B. H.  |                                      |
| OR-SWM 10   | <b>BIO-HYDROGEN “PROSPERITY WITHOUT POLLUTION”</b><br>Navin Jacob Koshy, Sateesh Kumar, Mojahidul Islam, Abdulkadar and Saber E Mansour   |                                      |

**SESSION: Or 14 (Place: Room - 1)** IPEC - 2008 - TRIPOLI / LIBYA

| AIR POLLUTION EMISSIONS CONTROL SESSION 3          |  | Wednesday 14 May 2008<br>11:45-13:30 |
|--|--|--------------------------------------|
| <b>Chairmen: Ahmed Eftikhar and Marai Abusetta</b> |  |                                      |
| OR-APE 11  | <b>IMPORTANCE OF AIR MONITORING WORLDWIDE</b><br>Marcel Maier  |                                      |
| OR-APE 12  | <b>ESTIMATION OF RESIDUAL CO<sub>2</sub> SATURATION USING CORE FLOOD TEST</b><br>Komei Okatsu  |                                      |
| OR-APE 13  | <b>FUEL CELL VEHICLES EMISSION-FREE FUEL REFORMERS FOR TRANSPORTATION FUEL CELL APPLICATIONS</b><br>Maher A.R. Sadiq Al-Baghdadi, Hashim R. Abdol Hamid, Abdulah El Hinshiri, Salem El jawashi |                                      |
| OR-APE 14  | <b>THE CONTROL OF SULFUR DIOXIDE EMISSION FROM FLUE GASES</b><br>Mohamed M. Elgarni, M.IChemE  |                                      |
| OR-APE 15  | <b>INTRODUCTION TO AIR POLLUTION MONITORING AND AIR MEASUREMENTS</b><br>Marcel Maier   |                                      |



**IPEC - 1<sup>st</sup>**

IPEC - 2008 - TRIPOLI / LIBYA

# 18 Official Forum Functions

## Dat-Alema / Hall 1 & Hall 2

### OPENING CEREMONY

Monday 12 May 2008 9:30-11:15

Attendance

By Invited Guests and Registered Participants

This meeting is an opportunity for the Organizers and Supporting Organisation to welcome all the delegates and participants.



## Corinthia Hotel / Libdah Hall

### GALA DINNER

Monday 12 May 2008 9:30-11:30

Sponsored by

Shell

Dress

Formal / Traditional

Attendance

By Invited Guests and Registered Participants

This glamorous and elegant gala evening will be another ideal opportunity to meet fellow participants in a deferent environment.



### LUNCHEONS

Monday 12 May 2008 13:00-15:00  
Tuesday 13 May 2008 13:00-15:00  
Wednesday 14 May 2008 13:00-15:00

Sponsored by

MASDAR

Dress

Formal

Attendance

By Invited Guests and Registered Participants



### DINNER

Tuesday 13 May 2008 9:30-11:30

Sponsored by

ENI Oil

Dress

Formal / Traditional

Attendance

By Invited Guests and Registered Participants





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