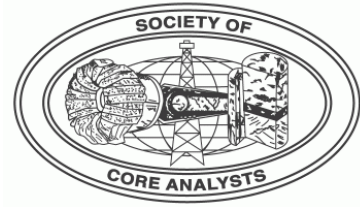


# SCANews



The SOCIETY of CORE ANALYSTS

P.O. Box 2861, Dublin, CA 94568-2405

August 2004

Published by the SCA, Editor: Dan Maloney

Volume 16, Number 2

## *Message from the President*

by *Dan Maloney*

Dear Colleague,

Welcome to this September 2004 SCANews issue. We often have to make choices given a perception about the future. For example, the type of automobile that one drives is influenced by perceptions about future fuel costs.



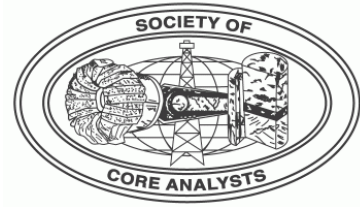
Perceptions about the 2004 International Symposium of the Society of Core Analysts in Abu Dhabi are clear - this is one Symposium you won't want to miss! Much effort has gone into making this an excellent Symposium. Bob Smits and his technical committee have put together an outstanding technical program. Waddah Al-Hanai and the local arrangements committee have been keen to consider every detail in making this a memorable event. You can find more information about the Symposium within this SCANews issue and on the SCA website. I hope you plan to attend.

If you haven't registered and haven't booked your transportation and accommodation, please consider doing so immediately. After

September 3, rooms in the Symposium hotel, Beach Rotana Hotel and Towers, are subject to availability. Additionally, Symposium registration rates will increase some 10-15% after September 15. As if these weren't good enough reasons to register sooner rather than later, another key reason is that ADIPEC follows soon after the SCA Symposium. Demand for accommodation in Abu Dhabi about the time of our Symposium will be high.

For several years, the SCA board has been cognizant of the need to revise the organization's bylaws to bring the bylaws up to date with current practices and new ways of doing things. Since the organization's first 1985-1986 year, many changes have taken place in the way we work and communicate. Do you remember what it was like in 1985? Modems at best could transmit at the snail speed of 9.6 kilobits per second. Widespread public access to the Internet was still about 7 years away. Many improvements in efficiency have been gained since then. We've also identified efficiencies that can be incorporated into the way SCA operates. In this SCANews issue, you will find a proposed bylaws revision. Key proposed revisions include addition of the office of President-Elect, roles and responsibilities of President-Elect, modifications to membership qualifications and categories, and addition of e-mail options for communicating key information. The ballot for 2005 officer elections includes provision

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for you to agree or disagree with the proposed bylaws. If ballot results show a 2/3 majority of votes in favor of amending the

bylaws, we will petition SPWLA to amend the bylaws as recommended.

## **Note from the VP Arrangements**

by **Waddah Al-Hanai**

Warm greetings from Abu Dhabi!

When two years ago the SCA Board voted unanimously for Abu Dhabi to host the 2004 SCA International Symposium, the news was received with great pleasure by the Petroleum Industry community in the Middle East, and particularly in Abu Dhabi. ADNOC and its Group extended to the SCA our thanks and appreciation for the trust the SCA Board has in the Abu Dhabi Oil/Gas industry community.

The Year 2004 SCA Symposium will be the second time the SCA Int'l holds its annual Symposium outside Europe and North America; and this time it's again in Abu Dhabi!

To the effect of reflecting the nature of Middle East reservoirs, the following Themes have been adopted for the 2004 Abu Dhabi SCA Symposium and Workshop:

1. Symposium Theme: "Challenges in Carbonates and Solutions for Field Development",
2. Workshop Theme: "Closing the Loop for Carbonates: From SCAL Project Design to Field Development".

Through their Themes, the 2004 SCA Symposium and Workshop will indeed provide an important opportunity for the SCA professionals, and for the professionals of the Gulf Region in particular, to review and

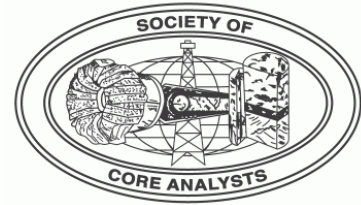
discuss SCAL study results, exchange knowledge and experience, and to address the complex and subtle sub-surface issues that are distinctive and unique to Carbonate reservoirs.

Following the model of the 2000 SCA Symposium, a Local Organizing Committee (LOC) has been formed, representing the wide spectrum of UAE Oil and Gas Industry, to prepare and arrange for the 2004 SCA Symposium. Mr. Ali Al-Habshi (Gas Team Leader, Onshore Fields Division, E&P Directorate, ADNOC) has been assigned to chair the Local Organizing Committee. Similarly to the Year 2000, Mr. Mohamed Juma (Onshore Fields Manager, E&P Directorate, ADNOC) serves as the Honorary Chairman of the LOC.

Arrangements for the 2004 SCA Symposium are steadily on course. The Local Organizing Committee is packing the 2004 SCA Symposium with many events and activities:

1. A one-day Workshop on October 5; under a meaningful Theme: "Closing the Loop for Carbonates: From SCAL Project Design to Field Development".
2. A one-day SCAL Course; titled "'Interfacial Phenomena and Flow in Carbonates - With Focus on Field Applications".
3. Two concurrent trips over October 7-8:
  - A. A Geological Field Trip to Wadi Rahabah, Ras Al-Khaimah,

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where the participants will have first-hand experience with Sequence Stratigraphy, Reservoir Characterization, and Structural Development of the immense reservoirs of Shuaiba and Thamama Formations. Overnighting is arranged at the RAK Hotel near the outcrops. Opportunity to join is still available!

- B. An oil-field trip to Bu Hasa, the largest oil-producing field in the UAE, where participants will witness in this 600 sq. Km massive Field of around 600 wells, in its secondary recovery phase, the use of both schemes of peripheral + pattern water injection and crestal + pattern gas injection (including WAG) for reservoir pressure support. The oil-field trip participants will overnight at the Bu Hasa Camp, that lies in a pleasant oasis-like setting, and includes a modern accommodation complex with all the amenities. Opportunity to join is still available!
4. A social program for the spouses and families that includes visits to folkloric and shopping venues in Abu Dhabi and much more!
  5. The Symposium venue (Rotana Beach Hotel & Towers) itself offers unique luxury and leisure features; such as:
    - Member of the Leading Hotels of the World
    - Ideally located in the heart of both business and shopping districts

- Connected to the Abu Dhabi Mall and Abu Dhabi Trade Center
  - Elegant rooms and suites with a choice of 10 specialty restaurants
  - Extensive conference and banquet facilities with the largest ballroom in Abu Dhabi.
6. The 2004 SCA Symposium is scheduled intentionally back-to-back with the 11<sup>th</sup> ADIPEC (Oct. 10-13). This arrangement should offer overseas Symposium participants the opportunity to stay longer in Abu Dhabi to attend ADIPEC.

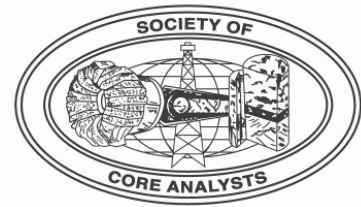
Generous sponsorship of the Symposium events and activities has come from ADNOC and its Operating Companies (ADCO, ADMA, ZADCO), and from several international and local organizations. We are all thankful to the splendid cooperation the LOC has received from all these sponsors.

We all hope that the 2004 SCA Symposium, like the 2000 Symposium, will help us draw the much-needed attention of researchers and laboratories to the many challenges existing in characterizing, quantifying and predicting Carbonate reservoirs, which host more than 60% of the World's oil reserves, and which lie preponderantly in the giant fields of our Gulf Region.

On behalf of the SCA and the LOC, I welcome you all to the 2004 SCA Symposium and extend to you our best wishes for a pleasant stay in Abu Dhabi.

Waddah Al-Hanai  
VP Arrangements

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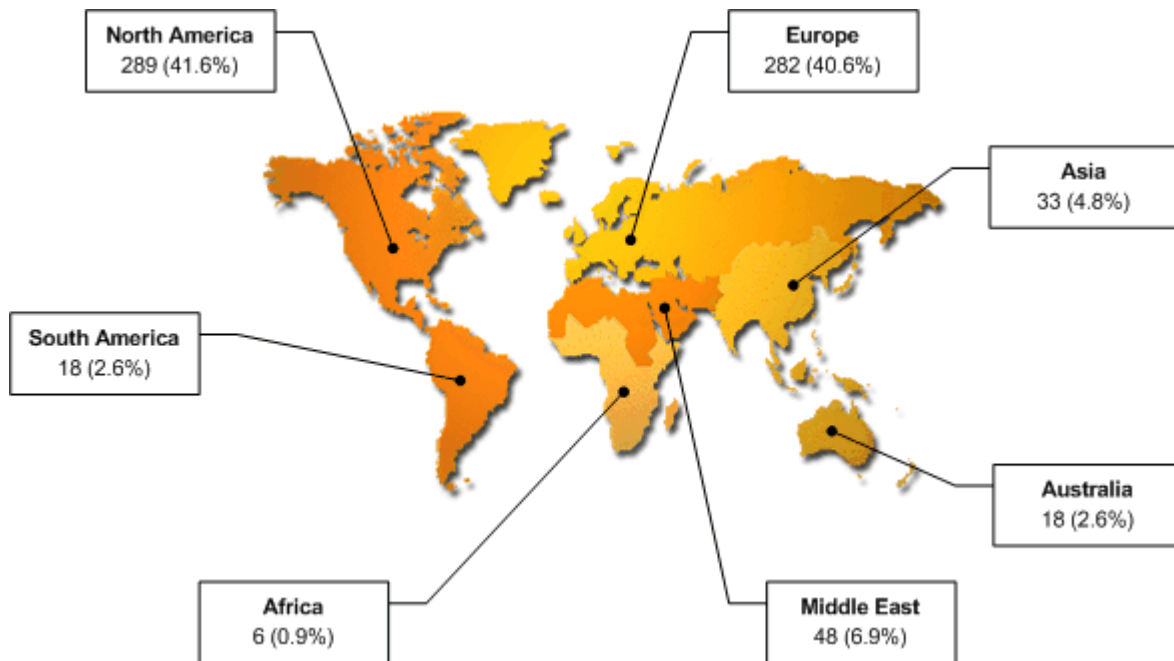
## *Note from the VP Membership* by *Bas Schipper*

When visiting the membership database at the SCA website you will find the following Information:

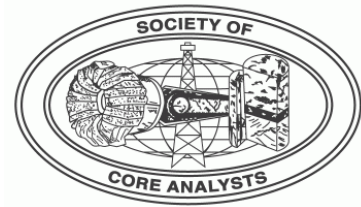
### Database information

<b>Total # of records:</b>	694
<b>Last updated:</b>	Tue Sep 7 21:07:28 2004

The total number of records are the members that have paid their membership fee for the current year but also include members that have paid their fees for 2003 but not (yet) for 2004. Reviewing the 694 members listed in the membership database shows that the geographical distribution is still weighted in favour of North America and Western Europe:



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However from the active member count per region as given in the table below, it shows that the Middle East region membership has increased the last few years, but has decreased drastically this year. This figure will probably increase because of this year's symposium being held in Abu Dhabi. The table also shows that the other active hydrocarbon regions are barely represented.

Region	August 2001	August 2002	August 2003	December 2003	August 2004	2001-2004 period
Africa	1	3	6	6	6	+ 5
Asia	21	24	27	31	33	+ 12
Australia	18	17	17	17	18	+ 0
Europe	228	242	257	280	282	+ 54
Middle East	98	170	155	159	48	- 50
North America	285	254	280	286	289	+ 4
South America	26	24	26	27	18	- 8
	<b>677</b>	<b>734</b>	<b>768</b>	<b>806</b>	<b>694</b>	<b>+ 17</b>

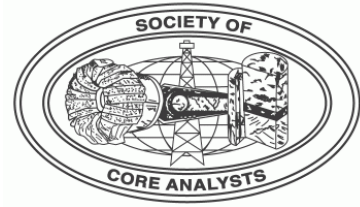
The member distribution per country is as follows:

USA	264	United Kingdom	95
Norway	56	France	41
Netherlands	27	Canada	25
United Arab Emirates	24	Russia	20
Australia	18	Denmark	14
Japan	12	Saudi Arabia	10
Germany	9	China	9
Brazil	7	Venezuela	6
Oman	5	Italy	5
Indonesia	5	Egypt	4
Poland	4	Belgium	3
Kuwait	3	Malaysia	3
Mexico	3	Qatar	3
Nigeria	2	Iran	2
India	2	Turkey	2
Bahrain	1	Switzerland	1
Spain	1	British Virgin Island	1
Brunei	1	Korea (South)	1
Peru	1	Argentina	1
Greece	1	Hungary	1
Portugal	1		

We ask all active members to help increase the membership by directing colleagues to the SCA Website at [www.scaweb.org](http://www.scaweb.org).

Bas Schipper  
VP Membership

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## *Synopsis from the VP Technology*

by *Bob Smits*

### **2004 SCA ANNUAL INTERNATIONAL SYMPOSIUM**

5 – 9 OCTOBER 2004, ABU-DHABI, UNITED ARAB EMIRATES

TECHNICAL PROGRAMME

**DRAFT**

#### **Tuesday 5 October**

Workshop  
Special Core Analysis Course

#### **Wednesday 6 October**

08.00 – 09.40 **Session 1 - Wettability: Determination, Restoration and Impact**

*Chairs: G. Hamon & S. Masalmeh*

SCA2004-01 G. Hamon "Another Look At Ekofisk And Eldfisk Wettability"

SCA2004-02 Aksel Hiorth, George Virnovsky "A Model For Wettability Change In Reservoir Rock"

SCA2004-03 Taha M. Okasha, James J. Funk, Sultan M. Al-Enezi, Hamid N. Al-Rashidi "Fifty Years Of Wettability Measurements In The Arab-D Carbonate"

SCA2004-04 Arne Skauge, Linda Høiland, Bartek Vik, Kristine Spildo, Bård Ottesen "Experimental Evidence Of Different Intermediate Wetting States"

09.40 – 10.00 **Vendor Presentations I**

10.00 – 10.30 Coffee Break

10.30 – 12.10 **Session 2 - Displacement Mechanisms I**

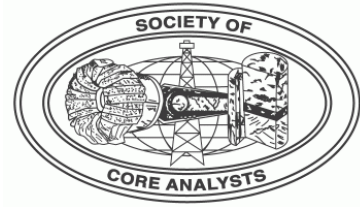
*Chairs: R. Smits & O. Vizika*

SCA2004-05 Andrew Cable, David Element, Mike Spearing, Jamal Bahamaish, Youssef Dabbour, Zubair Kalam "Gas Displacement Efficiency For A Low Permeability Carbonate Field"

SCA2004-06 C.Caubit, H.Bertin, G. Hamon "Three-Phase Saturation Measurement During Gravity Drainage And Tertiary Waterflood: Improvement Of Dual Energy Gamma-Ray Attenuation Technique"

SCA2004-07 Wibeke Hammervold Thomas, Gunn M. G. Teige, Christian Hermanrud, Ove Bjørn Wilson, Lars Rennan, Jon Knut Ringen "Permeability To "Irreducible" Water Saturation In Oil Saturated Plugs"

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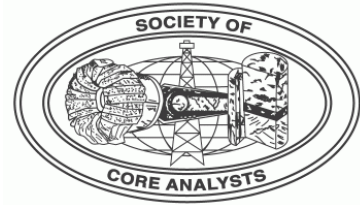
The SOCIETY of CORE ANALYSTS

- SCA2004-08 S.K. Masalmeh, X.D.Jing "Carbonate Scal: Characterization Of Carbonate Rock Types For Determination Of Saturation Functions And Residual Oil Saturation"
- 12.10 – 14.00 LUNCH
- 14.00 – 15.40 **Session 3 - Displacement Mechanisms II**  
*Chairs: L. Cuiec & J-B. Clavaud*
- SCA2004-09 N. R. Nagarajan, M. M. Honarpour, K. Sampath, Dougie Mcmichael "Comparison Of Gas-Condensate Relative Permeability Using Live Fluid Vs. Model Fluids"
- SCA2004-10 Kowalewski, E., Stensen, J.Å., Gilje, E., Bjørkvik, B., Strand, K.A. "Interfacial Tension Measurements In An Oil/Water/Bacteria System By Laser-Light Scattering"
- SCA2004-11 Douglas Ruth, Geoffrey Mason, Norman Morrow, Yu Li "The Effect Of Fluid Viscosities On Counter Current Spontaneous Imbibition"
- SCA2004-12 Christos D. Tsakiroglou, Dimitris G. Avraam, Alkiviades C. Payatakes "Simulation Of The Transient Immiscible Displacement In Porous Media Using Dynamic Capillary Pressure And Relative Permeability Curves From Steady-State Experiments"
- 15.40 – 16.10 Tea Break
- 16.10 – 17.00 **Poster presentations I**

## Thursday 7 October

- 08.00 – 09.40 **Session 4 - Improved SCAL Techniques and Interpretation I**  
*Chairs: J. Maas & M. Fleury*
- SCA2004-13 P. Olivier, L. Cantegrel, J. Laveissière, N. Guillonau "Multiphase Flow Behaviour In Vugular Carbonates Using X-Ray CT"
- SCA2004-14 N. Tokuda, S. Takahashi, M. Watanabe, T. Kurose "CRC Solutions Development Of Automated History-Matching Program Based On Genetic Algorithm For X-Ray CT Core Flooding Experiment"
- SCA2004-15 Phil Mitchell, Phil Brockley, Kevan Sincock "Two-Dimensional Fluid Saturation Imaging Improves Estimates Of Oil Recovery In Heterogeneous Carbonates"
- SCA2004-16 S. Takahashi, N. Tokuda, T. Nakashima "Upscaling Method Of Relative Permeability From Plug Core To Whole Core"
- 09.40 – 10.00 **Vendor Presentations II**
- 10.00 – 10.30 Coffee Break
- 10.30 – 11.45 **Session 5 - Improved SCAL Techniques and Interpretation II**

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*Chairs: G. Potter & J-K. Ringen*

- SCA2004-17 Einar Ebeltoft, André Sylte, Egil Boye Petersen Jr. "Simultaneous Determination Of Relative Permeability And Capillary Pressure From Several Types Of Experiments"
- SCA2004-18 P. Egermann, R. Lenormand "A New Methodology To Evaluate The Impact Of The Local Heterogeneity On Petrophysical Parameters (Kr, Pc): Application On Carbonate Rocks"
- SCA2004-19 G. A. Virnovsky, K.O. Vatne "Three-Phase Capillary Pressure Measurements In Centrifuge At Reservoir Conditions"
- 11.45 – 12.10 **Vendor Presentations III**
- 12.10 – 14.00 LUNCH
- 14.00 – 15.15 **Session 6 - Improved SCAL Techniques and Interpretation III**  
*Chairs: M. Ioannidis & J. Shafer*
- SCA2004-20 N. Seleznev, T. Habashy, A. Boyd, C. Starley, S. Luthi "A Coaxial-Circular Cell For Dielectric Measurements"
- SCA2004-21 Adrien Cerepi "Electrical Behaviour And Prediction Key Of Transport Properties In Carbonate Sedimentary Cores"
- SCA2004-22 M. Fleury, S. Efnik, M.Z. Kalam "Evaluation of water saturation from resistivity in a carbonate field. From laboratory to logs"
- 16.00 FIELD TRIP

## Friday 8 October

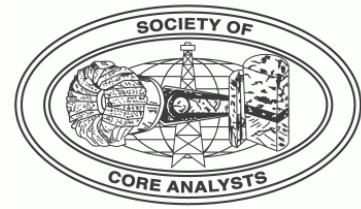
Field Trip

## Saturday 9 October

- 08.00 – 09.40 **Session 7 - Pore Scale Modeling**  
*Chairs: J. Chatzis & X-D. Jing*
- SCA2004-23 I. Chatzis, L. James "Details Of Gravity Drainage In Heavy Oil Recovery Using Vapour Extraction"
- SCA2004-24 Hiroshi Okabe, Martin J. Blunt "Predicting Permeability Through 3D Pore-Space Images Reconstructed Using Multiple-Point Statistics"
- SCA2004-25 S. Bekri, C. Nardi, O. Vizika "Effect Of Wettability On The Petrophysical Parameters Of Vuggy Carbonates: Network Modeling Investigation"



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SCA2004-26 Per Valvatne, Xudong Jing, B. Smits "Predicting Pore Geometric And Wettability Effects On Relative Permeability Using Pore-Scale Network Modelling"

09.40 – 10.00 Coffee Break

10.00 – 11.40 **Session 8 – Case Studies I**  
*Chairs: D. Ruth & A. Skauge*

SCA2004-27 Patricia Carles Philippe Lapointe "Water-Weakening Of Under-Stress Carbonates: New Insights On Pore Volume Compressibility Measurements"

SCA2004-28 Dan Maloney, Arvid Oesthus "Effects Of Paraffin Wax Precipitation During Cold Water Injection In A Fractured Carbonate Reservoir"

SCA2004-29 Andrew Cable, David Element, David Mogford, Mick Wannell "Mobilisation Of Trapped Gas From Below The Gas-Water Contact"

SCA2004-30 P. W. M. Corbett, D. K. Potter "Petrotyping - An Atlas For Permeability Comparison And Prediction"

11.40 – 12.00 **Poster Presentations II**

12.00 – 14.00 LUNCH

14.00 – 15.40 **Session 9 – Case Studies II**  
*Chairs: C. Black & D. Maloney*

SCA2004-31 James J. Funk, Mohammed Al-Khan, Ramsin Eyvazzadeh, Henry J. Halpern, Peter J. Jones, Bob Wilson "Revitalizing The Use Of Sponge Core For The Determination Of Residual Oil Saturations In Carbonate Reservoirs"

SCA2004-32 J-M. Lombard, P. Egermann, R. Lenormand, M Hajizadeh, H Hafez, A Modavi, And M Z Kalam "Heterogeneity Study Through Representative Capillary Pressure Measurements - Impact On Reservoir Simulation Model And Field Predictions"

SCA2004-33 E. B. Petersen Jr., J.K. Ringen, G. S. Agaev, B. Palatnik "Determination Of Critical Gas Saturation And Relative Permeabilities Relevant To The Depressurization Of The Statfjord Field"

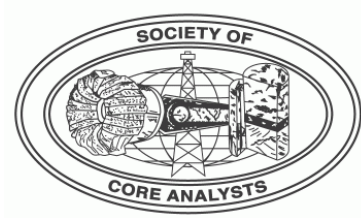
SCA2004-34 M C Spearing, A S Cable, D J Element, M Goodfield, Y Dabbour, A Al Massabi, S Negahban, M Z Kalam "A Case Study Of The Significance Of Water Flood Relative Permeability Data For Two Middle Eastern Carbonate Reservoirs"

15.40 – 16.10 Tea Break

16.10 – 17.00 **Poster Presentations III**

**Alternates/Posters**

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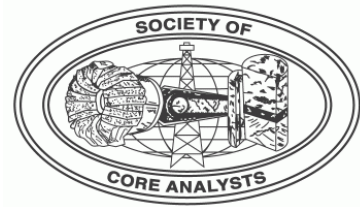
The SOCIETY of CORE ANALYSTS

- SCA2004-35 J. Smith, I. Chatzis "Characterization Of The Pore Space Accessed By The Nonwetting Phase During Constant Rate Injection At The Breakthrough Capillary Pressure"
- SCA2004-36 John Coenen, Elli Tchouparova, Xudong Jing "Measurement Parameters And Resolution Aspects Of Micro X-Ray Tomography For Advanced Core Analysis"
- SCA2004-37 Mathieu Jurgawczynski, Robert W. Zimmerman, Xudong Jing "Estimating The Permeability Of Carbonate Rocks Using Image Analysis And Effective Medium Theory"
- SCA2004-38 Christopher Jones, Jon Burger "Results Of A Tracerless Core Invasion Study Using Multivariate Curve Resolution"

## Posters

- SCA2004-39 Liu Qingjie, Liu Li, Luo Manli "Effects Of Wettability Alternation On Relative Permeability For Low Permeability Oil Wet Reservoir Rocks"
- SCA2004-40 H.Karimaie, S.M.Hashemi, M.R.Esfahani, E.Kazemzadeh, Ole Torsæter "Wettability Alteration And It S Effect On Oil Recovery During Spontaneous Water Imbibition And Waterflooding"
- SCA2004-41 Rezvan Behin "Investigation On Cementation Factor Of Iranian Carbonate Oil Reservoir Rocks In Fields X & Y, At Reservoir Condition"
- SCA2004-42 E.S. Amirtharaj, M.A. Ioannidis "Angstrom To Millimeter Characterization Of Rock Pore Structure And The Prediction Of Conductivity And Permeability Thereof"
- SCA2004-43 Qin Jishun "Overview: The Research Of Artificial Consolidation Sand Core In China"
- SCA2004-44 Adrien Cerepi "Capillary Flow Dynamics And Transport Properties In Carbonate Porous Media By Time-Controlled Porosimetry"
- SCA2004-45 A. Kharroubi, B. Layan, Ph. Cordelier "Influence Of Pore Pressure Decline On The Permeability Of North Sea Sandstones"
- SCA2004-46 Vimal Saxena "Role Of Associated Minerals And Porosity In Vp-Vs Response For Sandstone And Limestone"
- SCA2004-47 Adam K Moss "Nmr Core Plug Measurements To Compliment Scal Studies"
- SCA2004-48 Francesco Radaelli "Uncertainty Reduction In The Evaluation Of Poorly Consolidated, Thin Bedded Core Using X-Ray Computed Tomography"
- SCA2004-49 Gigi Q. Zhang, Jiaxiang Ren, Songhua Chen "A New Experimental Procedure For Nmr Hthp Measurements Of Crude Oil Samples At De-Oxygenated State"
- SCA2004-50 Michael Byrne, Ian Patey "Core Sample Preparation: An Insight In To New Procedures"
- SCA2004-51 R. Perunarkilli, I. Chatzis, M.A. Ioannidis, C. Lemaire "Monitoring Water Saturation During Gravity Drainage In A Column Of Glass Beads Using Nmr And The Determination Of Wetting Phase Relative Permeability"
- SCA2004-52 H.Karimaie, M.Samiei, S.Pour Mohammadi, Ole Torsæter "Study Of Cocurrent And Countercurrent Imbibition In Water-Wet Porous Media"
- SCA2004-53 Peyman Nurafza, Martin J Blunt "Evaluation Of Water And Gas Injection In A Carbonate Reservoir"

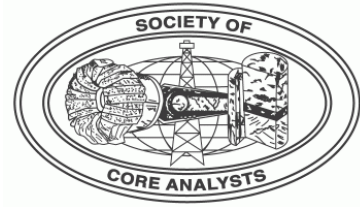
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- SCA2004-54 Rob J. Evans, Abdel-Hamid Anis, Christian Staffebach "Integrating Core And Image Logs: The Critical Steps In Modelling A Fractured Carbonate Reservoir"
- SCA2004-55 Doug Boyd, Omar Farisi, Ahmed Al Hendi, Kholoud Al Nayadi, Ove Birn Wilson, Gary Sinclair "Validating Laboratory Measured Archie Saturation Exponents Using Non-Resistivity Based Methods"
- SCA2004-56 Such Piotr, Lesniak Grzegorz "Relative Permeabilities And Transport System"

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## PROPOSED BY-LAWS REVISION (6 September, 2004)

Deleted items are marked : ~~deleted~~  
Inserted items are marked : inserted

### ARTICLE I - OFFICERS AND DUTIES

#### Section 1

The officers of the Chapter shall be: President, President-Elect, Vice President-Technology, Vice President-Membership, Vice President-~~Public Relations/~~Arrangements, Vice President-Publications, Secretary/ Treasurer. The President, President-Elect, and Vice President-Technology must be members of the parent SPWLA.

#### Section 2

The term of office shall be from one Annual Meeting to the next Annual Meeting.

#### Section 3

Officer elections are held annually as described in Article XI except for the office of President. The office of President is filled according to the following progression: previous VP-Technology becomes President elect; previous President-Elect becomes President; previous President becomes Past President.

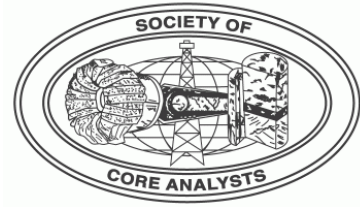
If the office of President is vacated ~~for any reason, during the first-half of the term of office, the President Elect shall succeed to the office of President. In the following year, the previous President Elect who became President, shall become the Past President; the previous VP Technology shall become President; and the Previous VP Membership shall become President Elect.~~

If the office of President is vacated during the second-half of the term of office, the President Elect shall succeed to the office of President. In the following year, the previous President Elect, who became President, will continue to serve as President; and order of succession will otherwise proceed as normal. the Vice President-Technology shall succeed to the office of President; the Board of Directors shall then appoint a Vice President-Technology from the qualified membership to serve for the balance of the term. If any other office is vacated, the Board of Directors shall appoint a qualified Member to that office for the balance of the term.

#### Section 4

The President shall preside at all meetings of the Chapter and the Board of Directors and shall be an ex officio member of all Chapter committees. The President shall appoint all Standing Committees and shall perform ~~duties which~~duties that pertain to the direction of the Chapter.

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## Section 5

The Vice President-Technology shall be responsible for the technical programs of the Chapter and shall be chairman of the Technological Committee. The Vice President-Technology shall preside in the absence of the President.

## Section 6

The Vice President-Membership shall be responsible for ~~recommending~~ the approval of applicants for membership in the Chapter, and shall be chairman of the Membership Committee. The Vice President-Membership shall preside in the absence of the Vice President-Technology and the President.

## Section 7

The Vice President-~~Public Relations~~/Arrangements shall be responsible for all public relations and arrangements of the Chapter including those associated with the Annual Meeting. The Vice President-~~Public Relations~~/Arrangements shall be chairman of the Public Relations and Arrangements Committees.

## Section 8

The Vice President-Publications shall co-ordinate the publication functions of the Chapter and shall be chairman of the Publications Committee.

## Section 9

The Secretary/Treasurer shall be responsible for the recording of the minutes of all Board of Directors meetings and the Annual Meetings. The Secretary/Treasurer shall obtain regular financial reports as directed by the Board of Directors and shall obtain an annual audit of the Chapter's receipts, disbursements, and assets. The Fiscal year of the Chapter shall be from Jan. 1 through Dec. 31.

## ARTICLE II - BOARD OF DIRECTORS

### Section 1

The Board of Directors shall be comprised of the ~~six~~ seven officers, one Region Director from each designated regional area, and the Past President.

### Section 2

The regional areas will be designated by the Board of Directors.

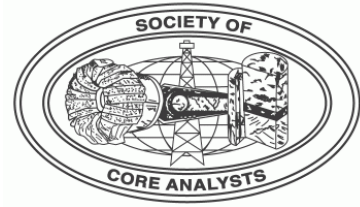
### Section 3

The duties of the officers are as stated in Article 1.

### Section 4

The Region Directors shall be comprised of one from each designated regional area. ~~—~~ The Region Directors shall assist in the holding of local meetings and act as liaison between the

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regional areas and the Board of Directors. They shall co-ordinate local meetings and handle other duties assigned by the President.

## Section 5

The immediate Past President shall be chairman of the Awards Committee and the Nominating Committee and shall handle other duties assigned by the President. [If such duties cannot be fulfilled by the Past President, the Board shall appoint a qualified individual to fulfill these duties for the balance of the term.](#)

## Section 6

The Board of Directors is empowered to design, adopt, issue, and regulate the use of Chapter logos, emblems, certificates and awards.

## Section 7

[The President -Elect shall participate in Board meetings, coordinate activities to identify best papers/presentations from the previous annual Symposium, assist the President as requested, and at the discretion of the President, act as liaison with the SPWLA with regard to cooperative efforts such as joint workshops.](#)

## ARTICLE III - MEETINGS

### Section 1

The Chapter as a whole shall hold one Annual Meeting and one or more Technical Conferences each year at times and places designated by the Board of Directors. The Chapter shall conduct its business and consider such matters as may be of concern to the membership at the Annual Meeting.

### Section 2

The President may call Board of Directors meetings as needed to conduct the business of the Chapter.

### Section 3

All meetings shall be conducted under Robert's Rules of Order.

## ARTICLE IV - MEMBERSHIP

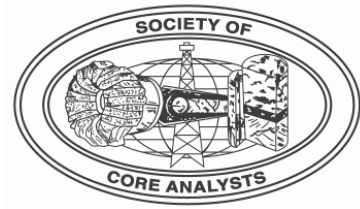
### Section 1

Membership shall be established upon payment of dues.

### Section 2

Membership classification shall include [three classifications: Lifetime Member, Member, and Student Member. Lifetime Member status may be attained by paying the Lifetime membership fee or through award by the Society of Core Analysts. The only practical distinction between](#)

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Lifetime Member and Member is that Lifetime Members are not required to pay annual dues, those of the SPWLA: Member, Junior Member, and Associate, the classification of Affiliate shall apply to all persons who are members of the SCA but do not hold Member, Junior Member, or Associate Membership in the SPWLA.

## Section 3

The qualifications, rights and obligations of each class of membership shall be identical with those of the corresponding class of membership set forth in The Articles of Incorporation of the SPWLA, Inc., except that:

Affiliate-Basic qualifications for membership are interest in core analysis and desire to participate within the organization. Members and Lifetime Members shall be qualified to vote in the Chapter and to hold any Chapter offices-except President and Vice President-Technology-, with the provision that Vice President-Technology, President Elect, and President must also hold membership in the SPWLA.

Junior Members shall have the same rights and obligations as Members in the Chapter. Associate Members will be qualified to vote and hold any office except the office of President. Student members may not serve as Officers but are otherwise entitled to the same rights and obligations as Members.

The Board reserves the right to sanction a member or revoke membership for unprofessional conduct or actions that are detrimental to the aims and good standing of the organization.

## ARTICLE V - DUES AND FEES

### Section 1

All members of the Chapter, Honorary/Lifetime Members excluded, shall pay annual dues. The amount of the dues shall be established by the Board of Directors.

### Section 2

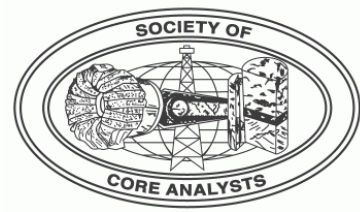
Dues shall be paid by January 1st or upon election to membership. Statements shall be mailed by November 1st preceding the due date, and membership cards shall be issued. Any person delinquent in dues more than one month after January 1st shall be classified as a non-voting Inactive Member, eligible only to receive SCA correspondence and meeting notices. A six month's grace period shall be granted after which the member is removed from the roster unless dues have been paid. Supplemental notices will be mailed to Members delinquent in payment.

## ARTICLE VI - LOCAL MEETINGS

### Section 1

Local meetings of the SCA may be held primarily to provide a forum for the exchange of technology and to foster the growth of The Chapter.

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## Section 2

Regional ~~Co-ordinators~~ Coordinators may be required to organize/co-ordinate local SCA meetings. These ~~Co-ordinators~~ coordinators shall be appointed/ approved by the President.

## Section 3

All Regional ~~Co-ordinators~~ coordinators are responsible to, and subject to, the rules and regulations of The Chapter. All financial matters shall be ~~co-ordinated~~ coordinated/handled with the Chapter Secretary/Treasurer with approval of the Board of Directors. All such financial matters shall be included in the annual audit.

## Section 4

The President is encouraged to participate in at least one regional area meeting each year.

## ARTICLE VII - AMENDMENTS

### Section 1

Amendments to these By-Laws must be approved by the Board of Directors of the SPWLA. Amendments to these By-Laws may be proposed by a committee appointed by the President of the Chapter or by the Executive Committee, or by petition in writing by ten members of the Chapter. Proposed amendments shall be published in the SCANews prior to being submitted to the voting membership by mail or electronic mail within one year of the date of receipt. A two-thirds majority of the votes cast shall be required for submission of the amendment to the SPWLA Board of Directors. Any proposed amendment obtaining a two-thirds majority vote will be sent by the Chapter President to the assigned Director-at-Large for SPWLA Board of Directors approval, with a letter of petition explaining the need for the amendment.

## ARTICLE VIII - BUSINESS OFFICE

### Section 1

The Chapter office shall be established and maintained in a location selected by the Board of Directors. The Board has the responsibility of providing for suitable accommodations, personnel and cost of items incidental to the efficient and prudent operation of the business of the Chapter. The Society of Core Analysts has an employment policy document that is not part of the by-laws. Employee relations shall be governed by the employment document.

## ARTICLE IX - STANDING COMMITTEES

### Section 1

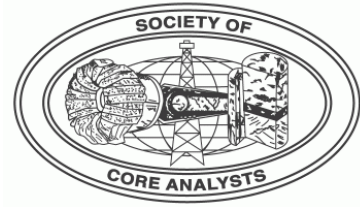
Appointments to all ~~Standing Committees~~ shall be made by the President upon recommendation of the specific committee chairmen.

### Section 2

Technological Committee: The Vice President-Technology shall be chairman of the Technological Committee. The committee shall be composed of the chairman and a minimum of four members,



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one of whom must be a Region Director. The Technological Committee shall have the following responsibilities:

Investigate and report on new core analysis tools and interpretation techniques.

Promote research toward the resolution of core analysis problems.

Maintain a close scrutiny of core analysis practices to ensure high standards of precision and, where possible, promote improvements in techniques.

Foster the acceptance by the industry of the basic nature of core analysis in formation evaluation.

Accumulate, catalog and make available to all members basic and special core data.

Provide technical notes for publication in the SCANews and/or Log Analyst.

Structure the technical program of the Annual Meeting/ Technical Conference.

## Section 3

Membership Committee: The Vice President-Membership shall be chairman of the Membership Committee. The committee shall be composed of the chairman and a minimum of one member of each designated regional area. The Membership Committee shall have the following responsibilities:

Stimulate membership in the Chapter.

~~Investigate the qualifications of each applicant for membership.~~

~~Make recommendations of to the Board of Directors for approval of membership class for each new applicant and each change in membership classification with regard to membership issues.~~

## Section 4

Public Relations Committee: The Vice President-~~Public Relations/~~Arrangements shall be chairman of the Public Relations Committee. The committee shall be composed of the chairman and a minimum of one member of each designated regional area. The Public Relations Committee shall have the following responsibilities:

Provide publicity concerning the Chapter and membership to newspapers, trade journals and technical corporations.

Supervise publicity for the Annual Meeting/Technical Conference including the preparation of material and distribution of announcements.

Supervise publicity for speakers at the Annual Meeting, Technical Conference and local meetings.

## Section 5

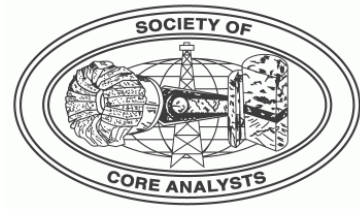
Arrangements Committee: The Vice President-~~Public Relations/~~Arrangements shall be chairman of the Arrangements Committee. The Arrangements Committee shall be composed of the chairman and a minimum of one member of each designated regional area. The Arrangements Committee shall have the following responsibilities:

~~Co-ordinate for meeting sites for the Annual Meeting, Technical Conference(s) and local meetings.~~

~~Co-ordinate housing accommodations when required.~~

~~Co-ordinate catering functions when required.~~

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## Section 6

Publications Committee: The Vice President-Publications shall be chairman of the Publications Committee. The Committee shall be composed of the chairman and a minimum of four members, one of whom shall be a Region Director. The Publications Committee shall have the following responsibilities:

Supervise the preparation and publication of all Chapter technical publications.

Edit all technical and non-technical ~~material which~~material that may be published under the auspices of the Chapter.

## Section 7

Awards Committee: The immediate Past President shall be the chairman of the Awards Committee. The Awards Committee shall be composed of the chairman and a minimum of three members and is responsible for recommending to the Board of Directors the Awards of the Chapter.

## ARTICLE X - TEMPORARY COMMITTEES

### Section 1

Nominating Committee: The Nominating Committee is a temporary committee. The immediate Past President shall be chairman of the Nominating Committee. Tenure of the Nominating Committee terminates at the Annual Meeting. The responsibilities of the Nominating Committee are as follows:

Submit a minimum of two qualified candidates for each of the Chapter offices to the Board of Directors.

Submit a minimum of two qualified candidates from each region for the position of Region Director to the Board of Directors.

## ARTICLE XI - ELECTION OF OFFICERS

### Section 1

Election of officers is held by mail or electronic mail and the results shall be received at least two weeks prior to the Annual Meeting/Technical Conference.

### Section 2

A written notice containing the slate of nominees as provided by the Nominating Committee shall be mailed or electronically mailed to all Chapter members no later than two weeks prior to the date of the election. Additional nominations of any qualified candidate can be made provided that the nominator has prior consent of the candidate.

### Section 3

Elections shall be by secret ballot returned via mail or electronic mail. Each member in good standing shall be allowed one vote ~~For~~for each office. The candidate receiving a majority of votes shall be elected to each Office.