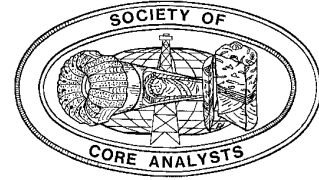


SCANews



The SOCIETY of CORE ANALYSTS

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

December 2002

Published by the SCA, Editor: Marios Ioannidis

Volume 14, Number 1

Message from the President

by *Xu-Dong Jing*

Dear Colleague,

First of all, I would like to take this opportunity to congratulate the SCA 2002 symposium organizing and technical committees, in particular Dan, Yogi and Stayc for a very successful SCA 2002 symposium! I found this year's technical program particularly strong, the exhibitions highly informative and of the highest quality, and of course the social program very interesting and enjoyable. Over 160 professionals from all over the world representing core analysis technology R&D, acquisition and interpretation services and data application and integration organizations participated at the Monterey symposium. The symposium highlights are captured in the collection of photos under Symposium 2002 available from the Society's website at www.SCAWeb.org.

To use a nowadays-familiar phrase "we live in a changing and uncertain world". So what changes do we need to make to cope with world events and continue our success? We should certainly continue our ongoing effort to increase the SCA's membership and presence globally and explore possible future collaborations with other professional societies (e.g., SPWLA and SPE). We are looking into ways of improving services to our membership through the Society's website, e.g, online payment of dues and conference registrations, and expanding our current online SCA paper search functionality to eventually include the complete collection of SCA papers. We are a relatively small, yet multi-disciplinary international society. Core analysis already plays an essential role in the full spectrum of subsurface workflow from exploration to mature field management. In addition to petroleum E&P business, there is tremendous growth potential and hence opportunities for core analysis, in new emerging

areas, such as environmental engineering and sustainable development. We count on you, our valued members, for your continuing support in helping to recruit new members, broadening the Society's reach and actively participating in SCA activities, including our online SCA Forum at www.SCAWeb.org.



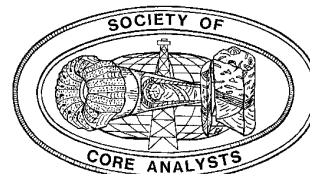
As I am writing this letter to you, the preparation for our 2003 symposium to be held in Pau, France is well underway under the leadership of our VP Technology Olga Vizika-Kavvadias (IFP) and VP Arrangement Jean-François Raynaud (TFE). The latest information on SCA 2003 is currently available through our website. The organizing committee are working hard to make the 2003 symposium a great success once again. Please make sure you pay regular visits to the Society's website at www.SCAWeb.org for the up-to-date symposium information and start making your plans to attend the meeting in Pau.

I look forward to seeing many of you in Pau during SCA 2003. In the mean time, if you have any suggestions and comments about SCA, please do not hesitate to email me at x.jing@ic.ac.uk.

With best wishes,

X.D.Jing
SCA President

SCANews



The SOCIETY of CORE ANALYSTS

Publisher's corner by **Marios Ioannidis**

Dear colleagues,

With the New Year just around the corner, it is time once again to reflect on the path traveled and set our vision into the future of our Society.

In this issue of SCANews you can read Dan Maloney's [Reflections on the 2002 SCA Symposium](#). Looking into the future, it is often said that every challenge is an opportunity for success, and Xu-Dong Jing highlights some of these opportunities in his [Message from the President](#). Putting this vision into practice, the theme of next year's SCA International Symposium is indeed forward-looking: "**Core Analysis and CO₂ Sequestration**". Read more about the organization and the technical focus of this exciting Symposium in the [Note of the VP of Arrangements](#) and the [Call for Abstracts](#) in this issue of SCANews.

From my vintage point, I would only emphasize the importance of communication at all levels for continuing and broadening the success of our Society. Online access to the technical papers contributed by our members at SCA Symposia is one very important aspect of communication. Equally important is the publication of our member's work in peer-reviewed journals. Some of the best papers of the 2001 SCA Symposium have appeared in a [Special Core Analysis issue of Petrophysics](#) (vol. 43(4), 2002). This would not have been possible without help from the journal's Editor and a number of referees, who carefully reviewed these articles, prior to acceptance for publication by the journal. We are indebted to them. Work is underway to prepare the next Special Core Analysis issue of *Petrophysics*. Finally, outreach and dialogue should continue to be keywords in our statement of SCA vision. Let us take advantage of the [SCAWeb Forum](#) at www.SCAWeb.org to share experiences and discuss technical issues of common interest.

Note of the VP of Arrangements by **Jean-François Raynaud**

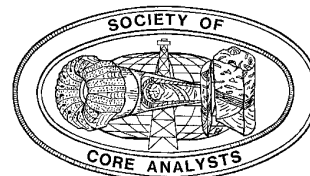
The historic town of Pau has been chosen to host the 2003 International Symposium of the Society of Core Analysts.

Pau is a cosy little town in the South of France, on the doorstep of Spain, not far from the magnificent Basque Country, just an hour away from the crashing waves of the Atlantic and 45 minutes from the ski-slopes of the Pyrenees. Its temperate and (very) damp climate, which has made the English feel at home since the XIX century, favors the numerous green parks and gardens of the town, so much so that it is often called "the garden-town", or "the town of 1000 palm trees" in tourist guides and brochures (<http://www.ville-pau.fr>).

For the 2003 SCA Symposium, the "Grand Hall" at Palais Beaumont will house the Exhibition area (160 m²), the posters and break area (150 m²) and a seating area for breakfast and buffet-lunches, which can accommodate 200 people. As a result, **the maximum number of participants is limited to 200 (on a "first-come, first-serve" basis)**. Built in 1900, after the architectural style of the "Belle Epoque", to serve as a centre for entertainment, the Palais Beaumont was entirely renovated to become a Conference and Exhibition centre (<http://www.paucc.com>). The presentations will take place in the majestic "Alfred de Vigny Auditorium".

Participants will stay in 5 hotels situated in the town centre, a 5-minute walk away from the Palais Beaumont, and in Mercure hotel in the northern outskirts of the town, for which a shuttle bus will be provided (a journey of about 10 minutes). Approximately 170 rooms have already been reserved at a **special rate for SCA members**. These provisional reservations and rates will be held **until the 31st May 2003**. The list of hotels reserved and also of other hotels in Pau, will appear soon on www.SCAWeb.org.

SCANews



The SOCIETY of CORE ANALYSTS

The Field Trip will take place on Sunday the 21st of September in the Western Pyrenees. Participants in the Field Trip will be back in Pau in time for the icebreaker. The main theme for the social events will focus on the Basque Country (choirs, a demonstration of the Basque sport pelota, Basque-Béarnais cuisine). A guided walking tour of Pau will begin in the moats of the Château and will finish in the Place Royale, after having passed through the main sights in town. A

"Discover the Basque Country" excursion is currently in the planning stage.

If you have any questions regarding the meeting arrangements, please do not hesitate to contact me at jean-francois.raynaud@totalfinaelf.com. Additional details will be available in January.

I look forward to seeing you all in Pau!

**Society of Core Analysts
2003 International Symposium
Pau, France
21-24 September 2003
Theme: Core Analysis and CO₂ Sequestration**

Call for Abstracts

We invite you to submit abstracts for the following sessions:

- 1 Case Studies** - Papers that demonstrate how core analyses reduced uncertainty, avoided failure or captured opportunity
- 2 Core Analysis at Reservoir Conditions**
- 3 Wettability Determination/Restoration**
- 4 Displacement Mechanisms** - P_c , k_r methods and analyses for two- and three-phase flow
- 5 Residual Saturation/Resistivity/Log Calibration**
- 6 Pore-Scale Measurements and Modeling for Macroscopic Property Prediction**
- 7 In-Situ Saturation Imaging and Advances in Core Analysis Technologies**
- 8 Petrophysics of Poorly Consolidated Rocks**

ABSTRACT DUE DATE IS 15 January, 2003.

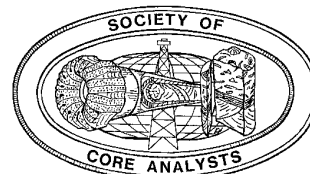
Abstracts may only be submitted electronically through the SCA website. Please use the electronic ABSTRACT SUBMISSION form at http://www.scaweb.org/symposium_2003_callforabstracts.shtml.

2003 Society of Core Analysts Technical Committee

Dan Maloney, Phillips Petroleum Company
Xu Dong Jing, Shell International E&P
Jill Buckley, New Mexico Tech
Patrick Corbett, Heriot Watt University
Louis Cuiec, Institut Francais du Petrole
Gerald Hamon, Total Fina Elf
Apostolos Kantzas, University of Calgary
Norm Morrow, University of Wyoming
Gary Jerauld, BP
Jos Maas, Shell International E&P
Ercan Ozer, Core Laboratories International B. V.
Jake Rathmell, Consultant
Doug Ruth, University of Manitoba
John Shafer, Reservoir Management Group, Inc.

Ole Torsaeter, NTNU
Livi Tomutsa, Lawrence Berkeley National Laboratory
Amy Chen, ExxonMobil Upstream Research Company
Arne Skauge, Norsk Hydro
Cliff Black, BP
Jon Knut Ringen, Statoil
Jairam Kamath, ChevronTexaco
Yannis Chatzis, University of Waterloo
Avrami Grader, The Pennsylvania State University
Paul Worthington, Gaffney, Cline & Associates
R.M.M. Smits, Shell International E&P
Gary Potter, CoreLab
Olga Vizika, Institut Français du Pétrole
Marios Ioannidis, University of Waterloo

SCANews



The SOCIETY of CORE ANALYSTS

Reflections on the 2002 SCA Symposium

by **Dan Maloney**, VP Technology

I think that all who attended the 2002 SCA International Symposium will agree that the technical program was a tremendous success. We began on Monday morning, the 23rd of September 2002 with invited presentations by Ian Gamble, Graham Robertson, Gerald Hamon, David Zornes, and Larry Neal during a half-day workshop on risk reduction and value of core analyses. The workshop was thought provoking and memorable. Speakers gave plenty of examples of how core analyses provide excellent "return on investment" during various stages of reservoir "life" from prospect evaluation to tertiary recovery. We will long remember Gerald Hamon's recommendation to "Give two answers for the same price!" [Workshop presentation materials are available through the SCA website for those who would like a copy.](#)

Technical immersion continued for the next 2½ days during 12 sessions that included 39 oral- and 11 poster-presentations. Monday afternoon, we heard case studies, descriptions of how to extract information from data, modeling approaches and simulation methods, and poster presentations on a variety of topics. Tuesday sessions covered topics including improved techniques for quantifying fluid flow and retention properties, innovative measurement schemes, and mechanistic approaches aimed at understanding reservoir production behavior. Tuesday evening, we enjoyed exclusive use of the Monterey Bay Aquarium to view exhibits, have an excellent dinner, and celebrate with Jill Buckley as she was presented the SCA Technical Achievement Award by George Hirasaki. Presentations during technical sessions on Wednesday included pore modeling, log calibration and understanding relationships between log and laboratory measurements, imaging and NMR applications to improve characterization of rock and fluid parameters. Many stayed in Monterey on Thursday for an exceptionally well organized field trip to view turbidite geology in Point Lobos State Park. I think it is safe to say that the Symposium technical program offered something for

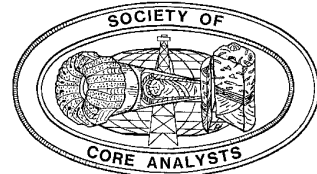
everyone. If you didn't attend the Symposium, consider ordering the 2002 Symposium CD. It contains all SCA papers from Symposia during the years from 1997 to 2002 – a veritable wealth of information!



Special thanks are extended to all who participated in the 2002 Symposium and contributed toward its success. I can imagine that some had to overcome anxiety about traveling given the state of current World affairs. The hard work and preparations of authors, technical committee members, session chairs, the SCA Board, vendors, Stayc Feil and Yogi Vindum provided us with a rewarding Symposium that met expectations and adhered closely to the original schedule. Thanks to those who asked questions during question and answer periods following presentations. Additional insight gained from such interactions enhances the value of attending a Symposium. Particular thanks are extended to Alternate Oral/Poster presenters. Each of these individuals was tasked with presenting a poster and being ready to deliver an oral presentation if called upon to do so, providing us with insurance against "holes" in our program should the unexpected occur. And of course the unexpected did happen. Several speakers found at the last minute that they could not attend the Symposium, including one speaker from Europe whose doctor would not allow him to travel while recovering from a seriously infected insect bite! Again, thank you, Oral/Alternates. You rose to the occasion.

During the Symposium, technical committee members and session chairs were asked to "score" each presentation. The difficult task of identifying "best presentations" was conducted after the Symposium was over by averaging "scores" provided by the 20 individuals who kept

SCANews



The SOCIETY of CORE ANALYSTS

“score” and ranking presentations according to score. “Best” presentations are listed below, followed by the next 4 highest “scored” presentations in each category. Congratulations to authors of SCA 2002-24 and 2002-46 for being considered best in class!

Best Paper

1st SCA 2002-24
Effect of Capillary, Viscous and Gravity Forces on Gas Condensate Mobility,
by O. Vizika & F. Kalaydjian

2nd SCA 2002-23
A Fast and Direct Method of Permeability Measurement on Drill Cuttings,
by P. Egermann, R. Lenormand, D. Longeron & C. Zarcone.

3rd SCA 2002-11
X-Ray Imaging Technique Simplifies and Improves Reservoir-Condition Unsteady-State Relative Permeability Measurements,
by D. Maloney.

4th SCA 2002-21
Interpretation and Reliability of Laboratory Tests Measuring Porosity, Pore Compressibility, and Velocity on Unconsolidated Deep Offshore Reservoirs,
by L. Pauget, F. Specia & A. Boubazine.

5th SCA 2002-38
Core Analysis with Two Dimensional NMR,
by B. Sun & K. Dunn.

Best Poster

1st SCA 2002-46
Field Model Predictions to Demonstrate the Value of Integrated Gas Condensate Near-Well SCAL Data,
by A. Cable, R. Mott & L. Wickens.

2nd SCA 2002-44
The Study of Residual Water Saturation Formation in Hydrophilic and Hydrophobic Reservoirs by NMR Method,
by V. Toporkov, V. Murtsovkin, A. Zelenov & S. Tarasov.

3rd SCA 2002-40
A New Technique for Measuring the Breakthrough Capillary Pressure,
by J. Smith, I. Chatzis & M. Ioannidis.

4th SCA 2002-47
Reserves Re-Estimation Using SCAL to Validate Sw Model from Neural Net Processed Old Logs. La Ceibita Field, Eastern Venezuela, Case Study,
by R. Panesso & A. Quaglia.

5th SCA 2002-51
Determination of Rock Quality in Sandstone Core Plug Samples Using NMR,
by P. Romero, G. Bruzual & O. Suarez.

In conclusion, I have to say that my term as SCA VP of Technology was truly an unforgettable experience. I enjoyed working with so many able and talented individuals from around the globe in bringing the 2002 Symposium to fruition. Here a few parting recommendations from my “behind the scenes” experience with the Symposium:

- Submit an abstract for the 2003 Symposium today. Don't wait until the last minute!
- Gain necessary approvals early in the process
- Adhere to guidelines and deadlines to save time and energy for yourself and others!
- To reduce stress on Symposium organizers, register early!

See you in Pau in 2003!

