

# Integrated Petrography and Geochemistry of Carbonate Rocks and Its Application to Reservoir Studies

## Instructors

Peter A. Scholle and Dana S. Ulmer-Scholle

## Registration Deadline

11 January 2009



18-22 January 2009

| Sheraton Hotel & Towers

| Manama, Bahrain

## Integrated Petrography and Geochemistry of Carbonate Rocks and Its Application to Reservoir Studies

### Aim

Provides an overview of carbonate petrography and diagenesis and how carbonate deposition and diagenesis affects reservoir potential. Opportunity to see how petrography and geochemistry provide valuable tools for explorationists.

### Course Benefits

Offers an opportunity to learn how to recognize constituent grains, distinguish early and late diagenetic alteration, classify and understand the origin and timing of porosity in carbonate rocks through both microscopic examination and geochemical analysis (especially fluid inclusion microscopy and isotopic analysis) of carbonate rocks. Careful integration of these two techniques greatly helps in producing reliable interpretations.

If microscopes are available, participants may bring their own thin sections and a workshop session can be customized to their needs.

### Topics include:

- Recognition of constituent biotic and non-biotic grains and diagnostic sedimentary fabrics in order to establish or refine interpretations of depositional environments
- Classification of carbonate rocks
- Recognition of types of diagenetic alteration (replacement, inversion, dissolution, cementation, etc.) and interpretation of their origin and timing
- Recognition of basic porosity types and their origin

- Fundamentals of geochemical analysis (mainly cathodoluminescence, fluid inclusion microscopy and carbon/oxygen and strontium isotopic analysis) and discussion of their application to the interpretation of carbonate rock diagenesis
- Discussion of time- and cost-effective integration of petrography and geochemistry

### Who Should Attend

Geologists and engineers interested in carbonate reservoir characterization, including understanding the depositional setting, diagenetic history, and origin and timing of porosity development or destruction in limestone and dolomite reservoirs.

### Prerequisites

Basic geology is necessary; basic sedimentology is useful but we will deal with the subject from basics to advanced topics and it should be understandable without.

### Training Method

This a face to face lecture and discussion class with practical thin section laboratory exercises.

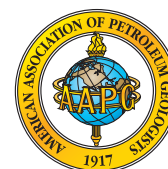
### Duration

The course will be conducted over four days.

### Fee

The course is USD 2500 for AAPG members and USD 2600 for non-members.

[www.aapg.org](http://www.aapg.org)



# Integrated Petrography and Geochemistry of Carbonate Rocks and Its Application to Reservoir Studies

## Registration Form



**Attendance is limited and is not guaranteed. Early application is recommended. Please print or type in black ink.**

Last Name	First Name
Nickname for Name Tag	<input type="checkbox"/> Male <input type="checkbox"/> Female
Company	AAPG Member? <input type="checkbox"/> Yes <input type="checkbox"/> No Member No.
Business Telephone	Business Address
City	State/Province
Post Code	Country
Telephone	Facsimile
E-mail (required)	
I'm also a member of: <input type="checkbox"/> EAGE <input type="checkbox"/> SEG <input type="checkbox"/> SPE <input type="checkbox"/> Other	

**Payment Information:**  Invoice Company (please provide full details for invoicing \_\_\_\_\_)

\_\_\_\_\_

\_\_\_\_\_

**Credit Card:**  MasterCard  VISA  American Express  Discover  Diners Club

Account Number	Expiration Date
Card Holder Name	Authorized Signature

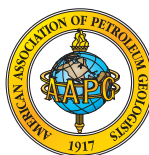
All credit card charges will be processed in US dollars.

**Registration Policy:** Invoices must be paid within 10 days of receipt. Should your application be received six weeks prior to the commencement of the course, please note that we will only accept credit card payment.

**Cancellation Policy:** AAPG will refund the tuition, less a \$100 processing fee, if request is received no later than six weeks prior to the course. Cancellation must be made in writing. The registrar will accept cancellation notices by telephone, but all such notices must be followed up by fax or e-mail. No refund will be made for cancellations received less than six weeks prior to a course being given. Nonpayment of tuition does not constitute automatic cancellation. If no cancellation notice is received by six weeks prior to course, participant is liable for full tuition. AAPG reserves the right to cancel a course if enrollment is insufficient to ensure proper effectiveness. Substitutions for individuals can be made at any time. A paid enrollment may be transferred one time to a future course if the request is received prior to the six week cut-off date.

**Complete this form and fax to:**

AAPG Middle East  
Ms. Lara Bell  
Tel: +973 17553043  
Fax: +973 17553029  
Email: lbell@aapg.org



**AAPG Non-endorsement Policy**

The American Association of Petroleum Geologists (AAPG) does not endorse or recommend any products and services that may be cited, used or discussed in AAPG publications or in presentations at events associated with AAPG.

[www.aapg.org](http://www.aapg.org)