



La Asociación de
Geólogos y
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tiene el gusto de invitarle
a la Conferencia

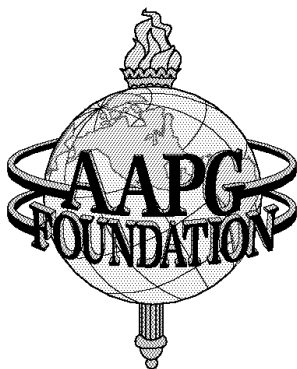
Carbonate Rocks

From Factories to Sequences

que impartirá el Dr. Wolfgang Schlager, como
AAPG Distinguished Lecturer

Tendrá lugar en el Auditorio de Repsol-Ypf ,
Pº de la Castellana, 278, el día:

Jueves 27 de Noviembre de 2003, a partir de las 18:30



2003-04 AAPG Distinguished Lecture

Abstract

WOLFGANG SCHLAGER

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Funded by the AAPG Foundation

Carbonate Rocks – From Factories to Sequences

For half a century, modern tropical carbonates served as the model and standard for the interpretation of ancient carbonate rocks. In the past two decades, this situation has changed. The new insights on carbonate production systems and the implications for sediment architecture and sequence patterns are the subject of this lecture.

Marine carbonate precipitation proceeds in three basic modes – abiotic, biotically induced, i.e. triggered by organisms, and biotically controlled, i.e. fully determined by organisms. On the scale of formations or sequences, the different precipitation modes combine to

form three carbonate production systems, or “factories”: (1) the T-factory, located in the tropics and at the top of the water column; (2) the C-factory in cool water and dominated by biotically controlled precipitates; and (3) the M-factory, dominated by microbial precipitates and typically forming mud-mounds. The lecture gives an overview of the factories and their environmental controls, and then discusses their differences with regard to facies patterns, sediment architecture and sequence geometry.

Wolfgang Schlager

Education:

1963 University of Vienna,
Austria; Ph.D.

Experience:

1964-71 Universities of
Vienna, Austria,
and Marburg,
Germany;
Assistant Professor

1971-74 Royal
Dutch/Shell, The
Hague; Research
Geologist

1974-81 University of
Miami, Florida,
Rosentiel School of
Marine and Atmospheric Science; Associate
Professor

1981-85 University of Miami, Florida; Full Professor

1985-2002 Vrije Universiteit, Amsterdam, The
Netherlands; Professor of Marine Geology
and Sedimentology



Present Vrije Universiteit, Amsterdam, The
Netherlands; Professor-Emeritus University
of Salzburg, Austria; External Professor for
Sedimentology

Honors and Awards:

1963 Ph.D. graduation under the auspices of the
president of the Republic of Austria

1968 Theodor-Koerner Prize (Austria)

1988 AAPG Bennison Distinguished Lecturer

1992 AAPG Brian-Pratt Award

1993 AAPG Special Commendation Award

1998 AAPG Distinguished Achievement Award

2002 Geologische Vereinigung (Germany) Steinmann
Medal

Publications:

About 150 papers in refereed journals on sedimentology,
marine geology, seismic interpretation and geology of
mountain belts.

Memberships:

American Association of Petroleum Geologists

Society for Sedimentary Geology

Academia Europaea

Austrian Academy of Science

Austrian Geological Society (Honorary Member)

American Association of Petroleum Geologists

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