

# **Second EAGE Online Workshop on EOR in Latin America: Research, Planning, Implementation and Surveillance 2020**

Online

1 - 3 December 2020

ISBN: 978-1-7138-2262-2

**Printed from e-media with permission by:**

Curran Associates, Inc.  
57 Morehouse Lane  
Red Hook, NY 12571



**Some format issues inherent in the e-media version may also appear in this print version.**

Copyright© (2020) by the European Association of Geoscientists & Engineers (EAGE)  
All rights reserved.

Printed with permission by Curran Associates, Inc. (2021)

For permission requests, please contact by the European Association of Geoscientists & Engineers (EAGE)  
at the address below.

European Association of Geoscientists & Engineers (EAGE)  
PO Box 59  
3990 DB Houten  
The Netherlands

Phone: +31 88 995 5055  
Fax: +31 30 634 3524

[eage@eage.org](mailto:eage@eage.org)

**Additional copies of this publication are available from:**

Curran Associates, Inc.  
57 Morehouse Lane  
Red Hook, NY 12571 USA  
Phone: 845-758-0400  
Fax: 845-758-2633  
Email: [curran@proceedings.com](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

# TABLE OF CONTENTS

REDUCING STRUCTURAL UNCERTAINTY IN COMPLEX GEOLOGY: A REPROCESSING CASE STUDY ONSHORE COLOMBIA.....	1
<i>M. Speziali, M. Mantovani, F. Fekkes, E. Dutcher, E. Wiarda, D.M. Rodriguez</i>	
REVISITING GRAVITY INVERSION FOR DEPTH-TO-BASEMENT ESTIMATION .....	6
<i>S. Re, S. Scandroglio, F. Golfré Andreasi</i>	
HYDROCARBON POTENTIAL OF MIXED TURBIDITE-CONTOURITE SYSTEMS IN LATIN AMERICA.....	11
<i>K. Rodriguez, N. Hodgson</i>	
CENOZOIC TECTONIC HISTORY OF THE NORTH AMERICA–CARIBBEAN–COCOS TRIPLE JUNCTION IN SOUTHERN MEXICO .....	14
<i>D. Villagómez Díaz, J. Pindell</i>	
HIGH RATE HIGH ULTIMATE WELLS .....	18
<i>L.D. Meckel III</i>	
CHARACTERIZATION OF A TERTIARY PALEO-VALLEY SYSTEM – ONSHORE GUYANA BASIN.....	23
<i>R. Taylor, L. Chi, M. Gallego</i>	
DOUBLE SALOON DOOR TECTONICS: TWO EXAMPLES IN SOUTH AND CENTRAL AMERICA: THE CARIBBEAN AND THE BOLIVIAN OROCLINE .....	26
<i>K. Martin</i>	
FROM NIMBLE NODE TO STRYDE - A BRIEF HISTORY OF A DISRUPTIVE NODAL TECHNOLOGY .....	31
<i>A. Ourabah</i>	
JOINT INVERSION OF THE REFLECTIVITY AND THE BACKGROUND SUBSURFACE COMPONENTS .....	36
<i>A. Cabrales Vargas, B. Biondi, R. Clapp, R. Sarkar</i>	
IMPROVING THE SUB-BASALT SEISMIC IMAGING IN NORTE BASIN, ONSHORE URUGUAY .....	41
<i>P. Rodríguez, J. Marmisolle, T. Fieseler, P. Gristo, S. Arevalo</i>	
COMBINING WAVE PATHS TO IMPROVE BRAZIL’S PRESALT IMAGE. CENTRAL SANTOS BASIN MULTI AZIMUTH REIMAGING.....	46
<i>M. Ortin, R. Ysaccis, H. Li, P. Barros</i>	
PALEOCENE TECTONIC ACTIVITY IN OFFSHORE URUGUAYAN BASINS AND ITS HYDROCARBON IMPLICATIONS .....	51
<i>B. Conti, P. Gristo, J. Marmisolle, H. De Santa Ana</i>	
CONSIDERING FTG ACQUISITION IN AREAS OF HIGH TOPOGRAPHIC RELIEF .....	56
<i>G. Buzan, C. Murphy, S. Payton</i>	
A STREAMLINED AND STANDARDIZED BENTHIC MAPPING APPROACH FOR OFFSHORE SITE CHARACTERIZATION .....	58
<i>C. Jones, G. Revelas, D. Doolittle</i>	

STRATIGRAPHIC AND STRUCTURAL INTERPRETATION OF THE SAN PEDRO BASIN (SOUTH-EASTERN DOMINICAN REPUBLIC OFFSHORE MARGIN) AND ITS IMPLICATIONS IN THE HYDROCARBON POTENTIAL .....	61
<i>J.M. Gorosabel-Araus, J.L. Granja-Bruña, A. Gallego-Mingo, R. Mas, Á. Rodríguez- Zurrunero, R. Reynoso-Villafañá, G. Rosario, S. Muñoz-Tapia, A. Carbó-Gorosabel</i>	
THE COLOMBIAN GENERAL MARITIME DIRECTORATE, DEVELOPS THE FIRST COMPLETE DEEP WATER SEEP HUNTING PROGRAM.....	66
<i>L.C. Olarte García, J. Gharib, E. Kassabji, M. Hutnak</i>	
THE IMPORTANCE OF GEOSCIENCES IN THE BRAZILIAN PRE-SALT DEVELOPMENT .....	72
<i>C. Bruhn, R. Sansonowski, E. Freire, P. Johann</i>	
MACHINE LEARNING APPLICATIONS IN OIL & GAS EXPLORATION & PRODUCTION.....	77
<i>H. Menon</i>	
ULTRA-FRONTIER OF SANTOS BASIN – POSITIVE PERSPECTIVE FOR THE DISCOVERY OF PRE-SALT GIANT FIELDS BEYOND THE EEZ .....	83
<i>P. Zalan, E. Newman, M. Saunders</i>	

**Author Index**