

Eastern Mediterranean Workshop (St. Julian's2018)

St. Julian's, Malta
6 - 7 December 2018

ISBN: 978-1-5108-7669-9

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© (2018) by the European Association of Geoscientists & Engineers (EAGE)
All rights reserved.

Printed by Curran Associates, Inc. (2019)

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

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
Web: www.proceedings.com

TABLE OF CONTENTS

Step-By-Step Solutions Of Structural Geophysics Problem.....	1
<i>S. Kiselev</i>	
Re-Imaging A Carbonate Build-Up Trend: Modern Processing Techniques Uplifting Old Data	3
<i>R. Jones, D. McGurk</i>	
Intrasalt Structure And Strain Partitioning In Layered Evaporites: Insights From The Messinian Salt In The Eastern Mediterranean	7
<i>S.L. Evans, C.A. Jackson</i>	
Lebanon – The Next Frontier In The Eastern Mediterranean	11
<i>M. Pyett</i>	
Egypt's West Mediterranean Sea – An Exploration Opportunity.....	15
<i>M. Pyett, A. El Morshey</i>	
Seismic Character As A Tool To Identify Different Geotectonic Zones In The Frontier Area Offshore South Of Crete, Greece	18
<i>G. Makrodimitras, K. Oikonomopoulos, Y. Bassias</i>	
Offshore Western Peloponnese: Structural Elements And Differences From Northern Ionian, Greece	23
<i>V. Kosmidou, S. Bellas, Y. Bassias</i>	
Anatomy of the Mesozoic Tethyan Margins: The Eratosthenes Carbonate Platforms of the Levant Basin	27
<i>N. Papadimitriou, C. Gorini, A. Tassy, F.H. Nader, R. Deschamps, J. Lecomte</i>	
Messinian Clastic Deposition And Halokinesis Over The Pre-Messinian Geomorphology, Herodotus Basin, Eastern Mediterranean.....	32
<i>A. Mousouliotis, K. Albanakis, A. Georgakopoulos</i>	
Isolated Cretaceous Carbonate Platforms Of The Mediterranean: The Example Of Bagnolo.....	37
<i>E. Battara, A. Riva, P. Pace</i>	
The Matera Carbonate Structural High: An Outcrop Analogue For Hydrocarbon Plays In The Mediterranean Region.....	42
<i>P. Pace, E. Battara, A. Riva, S. Borello, P. Ferretto, R. Di Cuia</i>	
Offshore Malta: Play Types And Results From Petroleum System Modelling	47
<i>O. Shukert, O. Schenk, F. Winter, R. Cooke, A. Checconi, G. Milne</i>	
A Study Of Petroleum Systems Offshore Malta Through Updated Basin Modelling Providing Enhanced Regional Prospectivity.....	51
<i>I. Deighton, R. Cooke, F. Winter</i>	
Velocity Model Building Challenges And Solutions In The Eastern Mediterranean: Case Studies From The Region	55
<i>A. El-Bassiony, J. Kumar, T. Martin, M. Bell</i>	
Diffraction Imaging: Tackling Challenges in the Current Imaging of Complex Carbonate Environments	60
<i>E. Landa, K. Smirnov, C.M. Paleari</i>	
Broadband Re-Processing of Vintage Mediterranean 3D Seismic: Improving the Imaging of Jurassic Limestones beyond Technical and Geological Challenges.....	65
<i>K. Starkov, S. Carbonara, E. Kokoshin, M. Aitchison</i>	
Quantitative Interpretation Below The Messinian Evaporites	70
<i>P. Doulgeris, D. Anestoudis, A. Gisolf, P. Haffinger</i>	
Integration Of Geophysical Tools To Determine The Structural Setting Offshore South Of The Island Of Crete	75
<i>K. Oikonomopoulos, G. Makrodimitras, Y. Bassias, A. Vafidis, N. Andronikidis</i>	
Exploration In The Mediterranean, With Focus On Petroleum Potential In Libya	78
<i>V. Agar, L. Fullarton, K. McDermott, N. Hurst, E. Gillbard</i>	
Hybrid Strategy for Porosity Distribution Mapping on a Heterogeneous Reservoir Using Artificial Intelligence Method	80
<i>H. Kaur Gurchran Singh, A. Shahbazi</i>	
4D Gravity And Seafloor Subsidence Monitoring: Recent Developments And Prospects	94
<i>H. Ruiz, M. Lien, M. Vatshelle, L.T. Hille</i>	
Multi-Scale Geomechanics: How Much Model Complexity Is Enough?.....	99
<i>A. Ganzo, G. Hoedeman</i>	
Author Index	