			18 Nov 2025 - Khobar, KSA				
8:00	9:00		Grand Ballroom Onsite Registration & Exhibition Open				
9:00	9:15		Welcome by EC				
9:15	9:30		Opening Speaker				
9:30	9:40		Group Photo				
9:40	10:40		Executive Panel				
10:40	11:00		Sponsor and exhibitor Recognition				
11:00			Coffee Break - 15 min				
			Fellows 1 Venue: Grand Ballroom A, B & C				
11:15	12:15		Joseph F. Labuz - University of Minnesota	Mineral carbon storage and rock fracture experiments			
			Fellows 2 Venue: Grand Ballroom A, B & C				
12:15	13:15		John McLennan - University of Utah	An Opportunity at Any Temperature and Location			
13:15			Lunch on 1st Floor				
Venue: Co	offee Foyer Ar	ea	Poster Session 1: Al and Data-Driven Methods in Petroleum Geomechanics Session Chair:	Poster Session 2: Hydraulic Fracturing: Modeling, Lab, Monitoring, Diagnostics, Operations Session Chair:			
14:15			Bicheng Yan (King Abdullah University of Science and Technology) Al-Driven Laser Spectroscopy for Real-Time Rock Profiling and Hydraulic Fracturing Optimization	zhenyu wang (China Zhenhua Oil., Ltd) Research and application of temporary plugging fracturing technology combined with distributed optical fiber monitoring in the transformatior of unconventional tight conglomerate reservoirs			
14:25	14:35		Ruyi Wang (CNPC Engineering Technology R&D Company Limited) Research on Intelligent Logging Prediction Method for Anisotropic Rock Mechanics Parameters Based on Machine Learning Intelligent Decision- making Algorithm	Huaizhong Shi (China University of Petroleum-Beijing) Research and parameter optimization of nitrogen foam fracturing in ultr short radius horizontal wells			
14:35	14:45		Ahmadreza Younessi (Baker Hughes) Compaction and Subsidence Induced by Hydrate Dissociation in Deepwater Wells in Offshore Brunei	Luyao Wang (China University of Petroleum (Beijing)) Research on Real-Time Hydraulic Fracturing Prediction Based on Neural Networks			
14:45	14:55	4	Hongda Li (China University of Petroleum, Beijing) FDEM-DL based prediction and analysis of mechanical properties of ultra- deep heterogeneous dolomite	Dagang Ji (China University of Petroleum) Numerical Simulation of Hydraulic Fracture Propagation Mechanism in Hydrate-Bearing Sediments: A Case of the Shenhu area in the South Chir Sea			
14:55	15:05		Mao Sheng (China University of Petroleum (Beijing)) Data Mining Evaluation for Diverting Effectiveness of Hydraulic Fracturing	Liu Tong (Southwest Petroleum University) New criterion for the Intersection between Hydraulic Fractures and Structural Planes			
			President Panel: Venue: Grand Ballroom A, B & C				
15:05	16:05		Presidents Panel: Moderated by Gang Han				
16:05	16:20		Coffee Break - 15 min				
	and Data-Driv Ballroom B &		ethods in Petroleum Geomechanics	Co-Chair: Name, Company Co-Chair: Name, Company			
16:20	16:40		Anke Wendt (SLB)	Proxy Geomechanical Modeling for Sustainable & Efficient Well Construction			
16:40	17:00		Lingdan Xia (SLB)	Facilitating operational decision-making for CCUS operations through re- time acoustics processing supported by machine learning			
17:00	17:20		Wei Yu (The University of Texas at Austin, SimTech LLC )	Next-Generation Hydraulic Fracture Optimization Enabled by AI and GPL Based Simulation			
17:20	17:40	4	Johannes Vossen (Baker Hughes)	Assessing Machine Learning Derived Prediction of Acoustic Logs While Drilling: Impact on geomechanics modelling in real time operations			
			Mohammed Alameer (Saudi Aramco )	Data-Driven Prediction of Sand-Free Flow-Test Outcomes from Near-			



	Poster Session 3: Advances and Geomechanics Applications in Mining Session Chair:	Poster Session 4: Advances and Geomechanics Applications in Geothermal Resources Session Chair:
1	Abhishek SinghAbhishek Singh (National Institute of Technology Rourkela) Effect of Shear Strength Parameters of Weak Beds on Coal Pillar Stability under Varying Cover Depths in SCCL Mines, India	Ikponmwosa Iyegbekedo (West Virginia University) Sub-surface Analysis for Geothermal Hot Water System for Morgantown, West Virginia
2	Danqi Li (Curtin University) A deep learning model for rock bolts compliance check in underground minesDanqi Li	Hamed Soroush (Teverra LLC) Mitigating Wellbore Instability in Superhot Rock Drilling Using Millimeter Wave Technology
13	Hanbing BIAN (University of Lille) Geothermal Energy in Abandoned Mine Rock Mass	Bo Zhang (University of Alberta) Geo-Resource Agent for Automated Geo-Resource Reservoir and Geomechanical Characterization Workflows Integrating Large-Language Models (LLM), User Input Geological Data and Domain Specialized Toolbox
4	Chenrui Guo (China University of Petroleum Beijing) Effects of Parameters and Breakage Characteristics Intelligent Prediction During the Dual Cavitation Jet Breaking of Sandstone	Bicheng Yan (King Abdullah University of Science and Technology) Optimization of Integrated Geothermal Reservoir and Power Plant
5	Bicheng Yan (King Abdullah University of Science and Technology) Large Language Model-Based Advisory System for Detection of Transition Minerals and Geomechanical Risk Profiling from Distributed Fiber Optic Sensing Data	Hamid Nick (DTU) Thermal Sweep Efficiency in Fractured Reservoirs: A Coupled Process Perspective

Co-Chair: Name, Company Co-Chair: Name, Company	
Automated Drill-Cutting Characterization Using Segmentation and Shape Analysis	1
Dynamic Energy Dissipation in Porous Geomaterials: High-Strain-Rate Experiments and Bio-Inspired Machine Learning Predictions	1
I-FENN with DeepONets: accelerating simulations in coupled geomechanics processes	1
Combining Machine Learning and Scratch Test Data for Enhanced Rock Strength Prediction	1
Influence of data augmentation on machine learning algorithms & predicting excavation damage zone depth	1
	Co-Chair: Name, Company  Automated Drill-Cutting Characterization Using Segmentation and Shape Analysis  Dynamic Energy Dissipation in Porous Geomaterials: High-Strain-Rate Experiments and Bio-Inspired Machine Learning Predictions  I-FENN with DeepONets: accelerating simulations in coupled geomechanics processes  Combining Machine Learning and Scratch Test Data for Enhanced Rock Strength Prediction  Influence of data augmentation on machine learning algorithms &

Session 3: Geothermal Resource Development: Case Studies and Future Technologies Venue: Al Ahsa 1 & 2	Co-Chair: Name, Company Co-Chair: Name, Company
Marine Deheuvels (KAUST)	On the use of Distributed Acoustic Sensing displaying amplitude polarity
	flips: case study in KAUST, Saudi Arabia
Chongyuan Zhang (Institute of Geomechanics, Chinese Academy of	Stress state on the Gonghe EGS (China) constrained by ensemble ASR,
Geological Sciences)	borehole damage and MT solutions: A new practice
Yizhi Wu (SINOPEC Geophysical Research Institute Co., Ltd)	Integrated Geophysical Prospecting for Deep Geothermal Resource
	Assessment: A Case Study in Southeastern Coastal China
GUANYI SHANG (China University of Petroleum (Beijing))	The Study of The Impact of Lost Circulation On Wellbore Temperature
	During Drilling And The Establishment Of An Inversion Model
Kareem Aboayanah (University of Toronto (Toronto, ON))	Unravelling Deformation and Seismicity in Hot Dry Geothermal
	Reservoirs: New Insights from Real-time Full-Field Displacement
	Laboratory Monitoring

March   Marc						19 Nov 2025 - Khobar, K	(SA		
1	8:00	9:00	Onsite Registration						
Mary   Company	9:00								
Mark	9:15	10:15							
West	10:15	10:30	Coffee Break - 15 min						
March   Marc	Session 4: In-Situ	u Mining		Co-Chair: Name, Company			Co-Chair: Name, Company		Co-Chair: Name, Company
See	Venue: Grand Ba	allroom B & C		Co-Chair: Name, Company			Co-Chair: Name, Company	Vehicle / II / III de L	Co-Chair: Name, Company
And September 1995 A Company of the			Muhammad Zaka Emad (King Eahd University of Petroleum and	Advances in In Situ Stress Measurement for Underground Engineering			Accelerating Uncertainty Quantification in Goological Carbon	Osman Hamid (Saudi Aramso)	Geomechanical Characterization and Monitoring of Thormally and
1.	10:30	10:50			6			Osman Hamid (Saudi Aramco)	
And The Part of the Control of the C								Kaiming Xia (Saudi Aramco)	
1.	10:50	11:10 2	, , , , , , , , , , , , , , , , , , , ,						
Manual Content   Manu				-				12	
March   Marc	11:10	11:30 3	Rudrajit Mitra (SD School of Mines)	Underground Mine Deformation Monitoring: A Comprehensive Review	8	Bo Zhang (University of Alberta)		Svetlana Zhigulskiy (GPN)	Hydraulic fracture design based on anisotropic stress model for a tight oil
Market   M	11.10	11.50						13	
March   Process   Proces	11:30	11:50 4	Victor Mutambo (University of Zambia)		9	Xupeng He (Saudi Aramco)		Egor Dontsov (ResFrac)	Hydraulic fracture propagation along bedding planes in shales occurs
			Loi Wang (Wuhan University)			Vincenzo Do Gonnaro (SLR)		Ichn Donald (CLR)	
	11:50	12:10 5	Let weng (wantan oniversity)		10	VIIICEIZO DE GEIIIIATO (SLB)	Artificially intelligent Performance Wanagement of Carbon Storage Sites	15	
March   Marc	12:10	13:10	Lunch on 1st Floor	considering the droat Notice Hydromethametric coupling Effect					To macions for nonzonial Well-Schmalation
March   Marc									
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Service of the servic	13:10	13:20	CO <sub>2</sub> Mineralization within Basait Based on the Microfididic Lechnology		ь 11		inversion		
The state of the s				gas reservoir versus aquirer reservoir			16		
			Wei Lu (Institute of Geology and Geophysics, Chinese Academy of	Chinemerem Okezie (New Jersey Institute of Technology)			Weiwei Zhou (China University of Petroleum, Beijing)		
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Mark	13:30	13:40		· ·	8 13			iviore information to follow closer to the date	
Section   Sect			integrity analysis for CO2 injection in depleted reservoirs						
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March   Contact   March   Contact   March	13:40	13:50			9 14		· ·		
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Part			Ahmadreza Younessi (Baker Hughes)	Olufemi Olorode (Louisiana State University)		Matthew Sonibare (New Jersey Institute of Technology)	Koji Kashihara (JAPEX)		
Section Sectio	13:50	14:00 5		Numerical and Experimental Studies of Coupled THCM Processes in	10 15		Visualization of the Deformation Behavior of Sidewall Cores for		
March   Marc	13.30	14.00		Ultramafic Rocks	10 13		Estimating In-situ 3D Stress Components		
See							20		
Second Continue Number   Second Number   Sec			ng & Failure Criteria – Advances in stress-strain behavior, plasticity, and	Co-Chair: Name Company			Co-Chair: Name, Company		Co-Chair: Name Company
See	_					venue: Grand Bailroom A		venue: Al Ansa 1 & 2	
Mary   Company	Venue: Grand Ba	allroom B & C							
Accordance from the following of the control f			Junfeng Zhu (China University of Petroleum (Beijing))	Improved Shale Microcrack Prediction via Plasticity-Modified Model		Elsa Maalouf (American University of Beirut)		Gang Han (ARAMCO)	Turning of Hydraulic Fracture: Near-Wellbore Complexity
Section   Control   Cont	14:00	14:20	5		21		on the performance of oil well cement: An experimental approach		
Section   Control   Cont			Adom Para (Paskfield)	A Composative Study of Maky Coulomb and Critical State Material Madels		Oisers Li (Coudi Aromes)	Impact of Diagonasis Dara Change and Haterageneity on Wellhore	Lie Dei (Desearch Institute of Detroloum Funlavation & Develoument)	Dock machanical Characteristics of doop and rock recognizes in the Ordes
Section of the control of the contro	14:20	14:40 17	Adam bere (Rockneid)		22	Qiuguo Li (Saudi Aramco)		The Bal (Research institute of Petroleum Exploration & Development)	·
4.46   Section of the control of the	14.20	14.40		To Fredicting Wellbore Stability and Sand Froduction Volume Frediction			Stability III Carbonate Nocks	27	basin and Onderstanding of Hydraulic fracturing
Assistance of the control of the con			Alex(Abolfazl) Hashemi (University of New South Wales)	Diametrical Core Deformation Analysis (DCDA) versus Acoustic Emission		Christian Bikong (King Abdullah University of Science and	Sensitivity analysis of fixed cutter PDC drill bit design on drill string lateral	Daniel Wamriew (King Abdullah University of Science and Technology)	Fiber-Optic Distributed Acoustic Sensing in Laboratory-Scale Hydraulic
Second   S	14:40	15:00 18		Analysis (AEA) to determine the in-situ stress state: a comparative study	23		vibrations and induced wellbore instability using a 3D finite element		
Second   S							model	28	
Magnetic ministrial (Caratters Livering Magnetic ministrial (Caratters Livering Magnetic Magn						Mingfei Yan (China University of Petroleum, Beijing)		Carlos Rodriguez-Hernandez (Sinopec Tech Middle East LLC)	Discrete Element Method Simulations of Stress–Fabric Coupling during
Part	15:00	15:20 19	Sciences)		24		formation based on CFD-DEM		Hydraulic Fracture Propagation in Pre-Structured Rocks
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Section   Sect	15:20	15:40 20	Margariete maierida (Lawrence Livermore National Lab)		25	belyu Hali (China Oniversity of Petroleum (beljing))		Haraid Stockhausen (Threeovenergy)	
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Section Chart  Sectio	15:40	15:55	Coffee Break - 15 min						
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And Store in Couple Oth APT Framework  And Store of Store in Couple Oth APT Fr						Nicola Castelletto (Lawrence Livermore National Laboratory)	Xinyan Peng (Sichuan University)		
And Statistic flater Highes)  And Statistics flater Highes)  And Statist	15:55	16:05			26 31				
16:05 16:05 pogerations: The very Conjugate Miss Assessment in Carbon Capture & Streege (CCS) operating reciprions: The very Conjugate Miss Reservoir & Storegotic (CS) operating reciprions: The very Conjugate Miss Reservoir & Storegotic (CS) operating reciprions: The very Conjugate Miss Reservoir & Storegotic (CS) operations: The Very Conjugate Annual Production (Resignation) and the Very Reservoir & Storegotic (CS) operations: The Very Reservoir & Storegotic (CS) operations: The Very Reservoir & Storegotic (CS) operating reciprions: The Very Reservoir & Storegotic (CS) operating reciprions: The Very Reservoir & Storegotic (CS) operations: The Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions in Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions in Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservo	3.55		Pore Structure, and Mechanical Properties During CO2 Injection	Seams with Nature Fractures		and Storage Systems Using GEOS	based on a Coupled DDA-SPH Framework		
16:05 16:05 pogerations: The very Conjugate Miss Assessment in Carbon Capture & Streege (CCS) operating reciprions: The very Conjugate Miss Reservoir & Storegotic (CS) operating reciprions: The very Conjugate Miss Reservoir & Storegotic (CS) operating reciprions: The very Conjugate Miss Reservoir & Storegotic (CS) operations: The Very Conjugate Annual Production (Resignation) and the Very Reservoir & Storegotic (CS) operations: The Very Reservoir & Storegotic (CS) operations: The Very Reservoir & Storegotic (CS) operating reciprions: The Very Reservoir & Storegotic (CS) operating reciprions: The Very Reservoir & Storegotic (CS) operations: The Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions in Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions in Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservoir & Storegotic (CS) operating reciprions and the Very Reservo			Achak Shinda (Bakar Hughas)	Min 7hang (University Science and Technology Political		Minglian Wang (china university of netrology (cost of total)	Payindra Rurnwal (Indian Institute of Tashmalam Pandras)		
Operations: Now-way Coupling with Reservoir & Geomethanical Modelling or Cognitive Network (Compliance)  10-15 16-			Integrated Risk Assessment in Carbon Canture & Storage (CCS)	Ontical fiber strain induced by Swarm-like fracture propagation from Lab					
Bis Wang (China University of Petroleum (Beijing))  1632 29 Phase Field Modelling of COZ Energized Fracturing and Sequestration in Productivity Enhancement in Unconventional Reservoirs by Supercritical 29 31 Agreement of Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Facturing Control (Control Petroleum (Beijing))  Martine Fig. 20 Short Factur	16:05	16:15	Operations: Two-way Coupling with Reservoir & Geomechanical Modeling	experiments	27 32				
15:15 16:15 17:15 16:15 17:15 16:15 17:15 16:15 17:15 17:15 16:15 17:15 17:15 18:15			, , , , , , , , , , , , , , , , , , ,				37		
Naturally Fractured Stake Reservoirs: Effect of Multiphase Flaid-Loss  Mingred Is (China University of Petroleum Excitation)  Precision Sweet Spot Differential Injection in Suried HIII Condensate Reservoirs: CO2 Sequestration and Production Enhancement  Procision Sweet Spot Differential Injection in Suried HIII Condensate Reservoirs: CO2 Sequestration and Production Enhancement  Procision Sweet Spot Differential Injection in Suried HIII Condensate Reservoirs: CO2 Sequestration and Production Enhancement  Procision Sweet Spot Differential Injection in Suried HIII Condensate Reservoirs: CO2 Sequestration and Production Enhancement  Procision Sweet Spot Differential Injection in Suried HIII Condensate Reservoirs: CO2 Sequestration in Suried HIII Condensate And Engineering Shanghal Advanced Research Institute, Annual Spot Spot Spot Differential Injection in Suried HIII Condensate Reservoirs: CO2 Sequestration in Approach to Optimize Waterflood Survey Spot Spot Spot Spot Spot Spot Spot Spot									
Mingwel Jis (Clinia University of Petroleum (East China)) Precision Sweet Spot Differential injection in larger femal femiliation in larger femiliation in	16:15	16:25			28 33				
Precision Sweet Spot Differential Injection in Burled Hill Condensate Reservoirs: COZ Sequestration And Production Enhancement Comprehensive Analysis and Interpretation Worlfillow  16:35 24 Reservoirs: COZ Sequestration And Production Enhancement  16:35 24 Reservoirs: COZ Sequestration And Production Enhancement  16:35 26 Reservoirs: COZ Sequestration And Production Enhancement  16:35 26 Reservoirs: COZ Sequestration And Production Enhancement  16:35 27 Sequestration And Production Enhancement  16:35 27 Sequestration And Production Enhancement  16:35 28 Reservoirs: COZ Sequestration in Sale Adams of States (Institute) of Technology (Institute) and Engagement Of States (Institute) of States (Inst									
1632 1635 24 Reservoirs: CO2 Sequestration And Production Enhancement Comprehensive Analysis and Interpretation Workflow Superinctical CO, distribution mechanism is anadstones: joint acoustic-electrical responses under reservoir conditions. Jia Cung (The University of Technology) Liquid Nitrogen Preconditioning Strategy for Breakdown Pressure Reduction for Hydraulic Fracturing on Ultra-Dense Marble — A Laboratory Surgician Additional Conference on the Confer									
Session 10-EOR, Water Floording and Induced Seismicity  Co-Chair: Name, Company  Venue: Grand Ballroom & Co-Chair: Name, Company  Venue	16:25	16:35			29 34				
Hao Zhang (Dalian University of Technology)   Baodong Ma (China University of Petroleum, Beijing)   Liquid Nitrogen Preconditioning Strategy for Breakdown Pressure Aduction for Hydraulic Fracturing on Ultra-Dense Marble — A Laboratory Study   Service Fooding and Induced Selsmicity   Service Grand Ballroom B & C   Co-Chair. Name, Company C	10.25	24		25	34				
Hao Zhang (Dallan University of Technology) Long-term dynamic stability of submarine slopes considering CO2 Injection acidificationt  Session 10-EOR, Water Flooding University of Session 12-CO2 Co-Chair: Name, Company Venue: Grand Ballroom 8 & C  17:05 17:05 17:05 17:05 17:25 17:45 18:05 18 18 Salf Ma Busaidi (PDO)  Assessing Full Reactivation on Risks in Hydraulic Fracturing of and Assessing Full Reactivation Risks in Hydraulic Fracturing of and Appraisal Fields of South Ornan Magning Fields of South Ornan Many Reactivation Risks in Hydraulic Fracturing of and Assessment of CO2 Sequestration in a Heavily Depleted North Sea Safe Spearating Five loope for Injector Wells - A Geomechanical Risks Sessement of CO2 Sequestration in a Heavily Depleted North Sea Sas Field  Lei Hou (Shanghai Jiao Tong University)  Feasibility and key issues of CO2 storage in depleted shall not make the surprise of graite modified by high temperature and chemical stimulation  40 Session 12: CO-Chair: Name, Company Co-Chair: N							39		
16:35 16:45 25 Long-term dynamic stability of submarine slopes considering CO2 injection acidificationt submarine slopes considering CO2 injection of different physical mechanisms on geological carbon storage in color storage in depleted shading of CO2 storage in de			Hao Zhang (Dalian University of Technology)	Baodong Ma (China University of Petroleum, Beijing)			Jiliang Pan (University of Science and Technology Beijing)		
Session 10.5 OR, Water Flooding and Induced Seismicity  Co-Chair: Name, Company  Venue: Grand Ballroom a Set  16:45 17:05 31 Kaiming Xia (Saudi Aramco)  Finite element modeling of fault reactivation induced by hydraulic fracturing or tame to present the sense of the finite element modeling of fault reactivation induced by hydraulic fracturing or tame to present the finite element modeling of fault reactivation induced by hydraulic fracturing or tame the finite element modeling of fault reactivation induced by hydraulic fracturing or tame to present for the finite element modeling of fault reactivation induced by hydraulic fracturing or tame the finite element modeling of fault reactivation induced by hydraulic fracturing or tame to present for the finite element modeling of fault reactivation in Saline Aguifers  Manoj Sarfare (Petroleum Development Oman (PDO)) Development in Departation in Saline Aguifers  Manoj Sarfare (Petroleum Development Oman (PDO)) Development in Departation in Saline Aguifers  Manoj Sarfare (Petroleum Development Oman (PDO)) Development in Departation in Saline Aguifers  Manoj Sarfare (Petroleum Development Oman (PDO)) Development in Departation in Hydraulic fracturing of an Apraisal Modelling of CO2 Geological Storage in Saline aguifers  Manoj Sarfare (Petroleum Development Oman (PDO)) Development in Departation in Saline Aguifers  Sensitivity of Thermial Effect Simulation to Local Grid Refinement in Coupled Thermal Geomechanical Modelling of CO2 Geological Storage in Saline Aguifers  Manog Sarfare (Petroleum Development Oman (PDO)) Development in Deep Carbonate Reservoirs in Departation in Saline Aguifers  Salim All Busaidi (PDO)  Assessing fault Reactivation and Aguifers  Modelling for Fault Reservoirs  Adam Bere (Rockfield)  Finite element modeling of fault reactivation in Integrated Reservoirs in Hermal Effect Simulation to Local Grid Refinement in Coupled Refinement in Modelling of CO2 Geological Storage in Hermal Aguifers of CO2 Storage in Saline Aguifers  Adam Bere (Rockfield)  F	16-25	16:45		1 1 1	30 35				
Venue: Grand Ballroom B & C  16:45 17:05 31	10.33	10.45			30 35	geological carbon storage in saline aquifers	modified by high temperature and chemical stimulation		
Venue: Grand Ballroom B & C  16:45 17:05 31				Study			40		
Assessing the Interplay of Impurities and Thermal Effect Modelling for Optimized MANV in CCC Implect Thermal Effect Simulation to Assessing Feur Integrated Study from Marginal Fields of South Oman  17:25 17:45 18:05 34 Kalming Xia (Saudi Aramco)  Finite element modeling of fault reactivation induced by hydraulic fracturing treatment fracturing fractu			g and Induced Seismicity						
17:45 18:05 18:45 18:45	venuer Grand Ba	anroom B & C	Valming Via (Saudi Aramaa)					venue: Al Ansa 1 & Z	
Manoj Sarfare (Petroleum Development Oman (PDO)) Development (Operating Envelope in Highly Depleted Sandstone Reservoirs: An Integrated Study from Marginal Fields of South Oman (PDO))  17:25 17:45 18:05 17:45 18:05 17:45 18:05 17:45 18:05 17:45 18:05 17:45 18:05 17:45 18:05 17:45 18:05 17:45 18:05 17:45 18:05 17:45 18:05 17:45 18:05 17:45 18:05 17:45 18:05 17:45 18:05 18:05 17:45 18:05 1	16:45	17:05	Kaiming Xia (Saudi Aramco)		35	Ciaudia Sorgi (SLB)		30	
17:05 17:45 32 Oman (PDO)) Operating Envelope in Highly Depleted Sandstone Reservoirs: An Integrated Study from Marginal Fields of South Oman Agsessing Fault Reactivation Risks in Hydraulic Fracturing of an Appraisal Modelling of Fault Reactivation and Induced Seismicity Adam Bere (Rockfield)  17:45 18:05 34 Salim Al Busaidi (PDO) Operating Envelope in Highly Depleted Sandstone Reservoirs: An 36 Coupled Thermal Geomechanical Modelling of CO2 Geological Storage (Puff Development in Deep Carbonate Reservoirs An 40 Sessing Fault Reactivation Risks in Hydraulic Fracturing of an Appraisal Well Adjacent to a Major Boundary Fault: An Integrated Geomechanical Modelling of Fault Reactivation and Induced Seismicity Chalk Field And Structural Geology Approach  17:45 18:05 34 Sadegh Asadi (Baker Hughes) Assessment GCO2 Sequestration in a Heavily Depleted North Sea Gas Field Sale Sement GCO2 Sequestration in a Heavily Depleted North Sea Gas Field 42			Manoi Sarfare (Petroleum Development Oman (PDO)) Development			Chee Tan (PETRONAS)		Xinhao Wang (china university of netroleum)	
Integrated Study from Marginal Fields of South Oman  Salim Al Busaidi (PDO)  Assessing Fault Reactivation Risk in Hydraulic Fracturing of an Appraisal  Well Adjacent to a Major Boundary Fault: An Integrated Geomechanical and Structural Geology Approach  17:45  18:05  18:05  Adam Bere (Rockfield)  Efficient 3D Field Scale Geometry Construction for Geomechanical and Structural Geology Approach  Adam Bere (Rockfield)  Modelling of Fault Reactivation and Induced Seismicity and Structural Geology Approach  Salegh Asadi (Baker Hughes)  Abbas khaksar (Baker Hughes)	17:05	17:25			36	Cite (City Emons)		Amina traing (clinia diliterate) of perforedility	
Salim Al Busaidi (PDO) Assessing Fault Reactivation Risks in Hydraulic Fracturing of an Appraisal Well Adjacent to a Major Boundary Fault: An Integrated Geomechanical Analysis of Cold CO2 Injection Modelling of Fault Reactivation and Induced Seismicity  17:45 18:0								40	
17:25 17:45 33 Well Adjacent to a Major Boundary Fault: An Integrated Geomechanical and Structural Geology Approach  17:45 18:05 34 Well Adjacent to a Major Boundary Fault: An Integrated Geomechanical and Structural Geology Approach  Abbas khaksar (Baker Hughes)			Salim Al Busaidi (PDO)			Adam Bere (Rockfield)	Efficient 3D Field Scale Geometry Construction for Geomechanical	Hamid Nick (DTU)	Coupled Geomechanical Analysis of Cold CO2 Injection in the Harald East
17:45 18:05 34 Sadegh Asadi (Baker Hughes) Safe Operating Envelope for Injector Wells – A Geomechanical Risk Assessment of CO2 Sequestration in a Heavily Depleted North Sea Gas Field Assessment of CO2 Sequestration in a Heavily Depleted North Sea Gas Field 42	17:25	17:45		Well Adjacent to a Major Boundary Fault: An Integrated Geomechanical	37		Modelling of Fault Reactivation and Induced Seismicity		
17:45 18:05 34 Assessment 36 Gas Field 42			Code als Acadi (Dalam Hard			Abberthelme (Osler)	Nick Assessment of CO2 Con.	41	Freshills and business of COO
Assessment Gas Field 42	17:45	18:05 34	Sadegh Asadi (Baker Hughes)		38	Abbas khaksar (Baker Hughes)		Lei Hou (Shanghai Jiao Tong University)	Feasibility and key issues of CO2 storage in depleted shale reservoirs
FIII OF DAY Z				Maacaanielit		End of Day 2	Gasticiu		

					22.11 22.21 10.11 10.		
8:00	9:00	Grand Ballroom 1+2 Onsite Registration			20 Nov 2025 - Khobar, KS	A	
9:00	9:15	Opening Speaker			Session 14: Rock Fragmentation Mining Techniques - 2		٥
	ck Fragmentati Ballroom B & 0	on Mining Techniques	Co-Chair: Name, Company Co-Chair: Name, Company		Venue: Grand Ballroom A	Co-Chair: Name, Company Co-Chair: Name, Company	١
		Omid Mahabadi (Geomechanica )	Reducing Uncertainty in Mining Applications Through Advanced		Zhongwei Huang (China university of petroleum (Beijing))	An innovative cryogenic ice—air jet coal breakage method by using Laval	
9:15	9:35		Numerical Modelling	5		nozzles	
9:35	9:55	Ang Liu (The Pennsylvania State University)	Blasting Monitoring in Surface Mine Using Integrated Distributed Acoustic Sensing (DAS) and Geophone Methods	6	Wenhao He (China University of Petroleum, Beijing)	Experimental Study on Rotational Cutting Characteristics of Conglomerate by PDC Cutters	)
9:55	10:15	Rudrajit Mitra (SD School of Mines)	Rock Strength Measurement using Laser-Induced Breakdown Spectroscopy	7	shuailin li (中国石油大学)	Comparative Analysis of Innovative Cavitation Jet Nozzles: Flow Dynamics and Sandstone Breaking Performance	N
		Yazhou Shen (China university of petroleum Beijing)	Controlling the caving of hard roof through hydraulic fractures:		侯 钟 (中国石油大学(北京))	Numerical Investigation of Ice-Abrasive Jet Impingement to Coal Using a	Z
10:15	10:35	4	Simulation on the influence law and mechanism	8		Hybrid CFD-DEM-FEM Approach	,
10:35	10:55	Ahmadreza Younessi, Baker Hughes	Geomechanical Analysis of CO2 Storage in a Multi-Layered Depleted Field		Xiaodong Ma, University of Science and Technology of China	In situ stress characteristics and hydraulic fracturing performance –	
10:35	10:50	Coffee Break - 15 min	in Offshore Malaysia		made and many of the state and recursions of the state and	insights from key unconventional reservoirs in China and the US	
		urface Energy Storage - 2	Co-Chair: Name, Company		Session 17: Numerical and Computational Methods in	Co-Chair: Name, Company	S
	Ballroom B & 0		Co-Chair: Name, Company		Petroleum Geomechanics Venue: Grand Ballroom A	Co-Chair: Name, Company	١
10:50	11:10	Jose Davalos Monteiro (Sinopec Tech Middle East)	Mechanical Integrity Assessment Of Cement-Fluid Interactions: High-	17		Numerical Simulation Study on the Long-Term Sealing Integrity of Fault-	J
11:10	11:30	Aisha Al Hashmi (Waseda University)	Performance Cements Versus CO <sub>2</sub> -saturated And Sulfate Solutions  Numerical Simulation Study of Underground Hydrogen Storage for	18	Geological Sciences) gui bo (southwest petroleum university)	Block Oil-Reservoir-Based Underground Gas-Storage Cluster  Numerical Simulation Study on Fracture Pressure Prediction in Ultra-Deep	Y
11.10	11.30	Chinemerem Okezie (New Jersey Institute of Technology)	Uncertainty Evaluation in Salt Domes in Oman Stimulated Serpentinization: Effect of Microbial Activities on	10	Mohammed AL-Aamri (PDO)	Carbonate Rocks under Multi-Fluid Disturbance  Multi-Scale Validation of Reservoir Compaction in a Shallow Gas	
11:30	11:50	15	Geomechanical Response of Hydrogen-Generating Ultramafic Rocks	19	, , ,	Carbonate Reservoir: Integrating CMI and InSAR with 3D Modelling in	
		Ahmed Fatah (King Fahd University of Petroleum & Minerals)	Displacement Behavior and Gas Saturations during Drainage		Hussein Ayed (University of Baghdad/ Collage of Engineering/	Oman's North Field From Trace to Reality: Depleted Reservoir Integrity through Coupled	
11:50	12:10	16	Displacement in Sandstone Reservoirs: Application to Subsurface Hydrogen Storage	20	Petroleum Engineering Department)	Geomechanical–Reservoir Simulation Insights	
12:10	12:30	Saeed Salimzadeh, Commonwealth Scientific and Industrial Research	Faults reactivation during CO2 sequestration and corresponding ground		Ivan Teguh Andhika Praja, Rock Flow Dynamics	An Innovative and Holistic Approach for De-risking Subsurface Uncertainties in Managing and Monitoring Deep Saline Aquifer CO2	
12.10	12.50	Organisation	deformation		ivan regun Anunika Praja, Kock Flow Dynamics	Sequestration	
Venue: Coffe	e Foyer Area	Poster Session 13: Geomechanics for Tight Reservoirs and Unconventionals	Poster Session 14: Well Integrity		Poster Session 15: Regional Case Studies	Poster Session 16: Rock Measurements and Characterization	
		Session Chair: Kai Zu (CNPC Engineering Technology R&D Company Limited, Beijing.	Session Chair:  Ji Li (China University of Petroleum, Beijing)		Session Chair:	Session Chair:	
		China) Research on Geomechanical Characteristics and	Characterization of Cement Sheath Seal Failure Based on Distributed		Siqueira Eudes (SLB) Comprehensive Laboratory Study to Determine Compaction	Thomas Finkbeiner(KAUST) A Deep Learning Approach for the Automated Extraction of Natural	
12:10	12:20	1 Hydraulic Fracturing Simulation of Deep Shale Gas in Luzhou: A Case Study of Lu 201H4 Platform	Optical Fiber Sensing Technology	6 11	Behaviour, Poroelasticity and the Effects of Multi-stage Triaxial Testing on Elastic Properties of Carbonate Oil Field in UAE	Fracture Traces from Two Dimensional Orthoimages Derived from Digital Outcrop Models	
		Mohammed AL-Aamri (PDO)	Meiyang Jing (China University of Petroleum, Beijing)		Amir Ghadimipour (Baker Hughes)	Rached Rached (STME)	
12:20	12:30	No-Go to Go: A Geomechanical Workflow to Unlock One of Deepest	Restoring the Well Integrity with Full Bore Access by Using Chemical	7 12	A Novel Multi-Disciplinary Approach in Selection and	Surface Roughness Effects on Indentation Testing of Drill Cuttings	
		Horizontal Tight Gas well in Sultanate of Oman	Temporary Plugging Technology: a field case study in Linxing-Shenfu gas field		Optimization of Sand Control Techniques: Case Study from Egypt	17	
		Yuxuan Deng (China University of Petroleum (East China)) Multi-scale Mechanical Characterization of Shale Reservoirs with High-	Xueyu pang (China University of Petroleum (East China)) Simulation of Micro-Annulus Evolution at the Casing-Cement Interface in		Skaow Kusolsong (PTT Exploration and Production) Standardizing Sand Risk Evaluation Across the Gulf of Thailand	Rajendra Nath (Petronas) To Fluid Substitute or Not in Geomechanical Workflows: Experimental	
12:30	12:40	density Bedding Fractures Using FE <sup>2</sup> Framework	High-Temperature and High-Pressure Gas Wells	8 13	Through Python Automation and 1D Mechanical Earth	Evidence	
		Khaqan Khan (Saudi Aramco)	Zhijn Xie (China University of Petroleum Beijing) Comparative Evaluation		Modelling Abbas khaksar (Baker Hughes)	Mohammed AL-Aamri (PDO)	
12:40	12:50	Formation Breakdown Prediction for Penetrating and Non-Penetrating Fluid during Hydraulic Fracturing	and Selection Strategy for Proppant Transport Models: Balancing Computational Efficiency and Placement Accuracy in Hydraulic Fracturing	9 14	Validation of Geomechanical Sanding Evaluation, Examples from Australian Gas Fields	Sonic Deception in Deep Gas Reservoirs: How Gas Affects Poisson's Ratio, Stress Modelling, and Fracture Containment- A Northern Oman Example	
		Ashok Shinde (Baker Hughes)				Chunxiao Li (China University of Geosciences-Wuhan)	
12:50	13:00	A Comparative Geomechanical Assessment of the Deep Tight Sandstones	Amir Ghadimipour (Baker Hughes) Geomechanical Assessment of Oriented Perforation in FracPack Sand Control Technique	10 15	<b>HEMANT SINGH (Baker Hughes)</b> Achieving Excellent Production Results in Fractured Reservoir by	Texture-Based Segmentation of SEM Images of Shale Rocks and	
12.30	13.00	of Arabia: Qualitative Implications for Hydraulic Fracturing Simulation		20 23	integrating Geomechanics with Geology and Reservoir Navigation-A Case Study from Libya	Estimation of Meso-Scale Elastic Modulus by 2D FEM 20	
13:00	14:00	Lunch on 1st Floor			Session 20: Al Methods and Advances in Drilling Geomechanics		c
Session 19: M geomechanics		ulti-Physics Geomechanics – THMC coupling, nano- to field-scale	Co-Chair: Name, Company		Venue: Grand Ballroom A	Co-Chair: Name, Company	
	Ballroom B & 0		Co-Chair: Name, Company			Co-Chair: Name, Company	
14:00	14:20	Ying Zhang (University of Science and Technology Beijing)	Mechanical Behavior and Seepage Characteristics of Multi-Shaped	30	Emmanuel Cruz Vargas (SLB)	Quantifying the interplay between tectonic stresses and bedding-related	
		Rached Rached (STME)	Fractured Sandstone under Hydro-Mechanical Coupling Fluid-Exposure Effects on Micro-Indentation Properties of Drill Cuttings	31	Wei Yu (The University of Texas at Austin, SimTech LLC )	failures using Bayesian inversion methods.  Al-Driven Real-Time Hydraulic Fracturing Platform: Development and	
14:20	14:40	Keyu Meng (Tongji University)	Thermo-Hydro-Mechanical DEM Modeling of Hydraulic Fracturing in Hot		Tianshou Ma (Southwest Petroleum University)	Field Validation in Complex Shale Reservoirs  A stacking ensemble machine learning approach for pore pressure	Ε.
14:40	15:00		Dry Rock under High-Temperature Conditions	32		prediction in real-time during drilling based on mud log data	
15:00	15:20	HECTOR GONZALEZ (Aramco) 28	Numerical Modelling of Stress-Dependent Permeability in Reservoir Rocks Using COMSOL Multiphysics	33	Jianzhuang Li (China University of Petroleum (Beijing))	Leveraging Drilling Real-Time Data & Formation-Responsive Drilling (FRD) to Minimize NPT, Optimize Wellbore Placement, and Identify Natural	
		Olufemi Olorode (Louisiana State University)	Geomechanical Studies of Using Biologically Induced Mineral		Ahmed Baghdadi (Baker Hughes)	Fracture Networks Implications of critically stressed fractures in drilling risk management	
15:20	15:40	29	Precipitation for Safe Geo-Energy Storage	34		and production enhancement – Case study from fractured Cretaceous	
15:40	15:50		Coffe	e Break - 10	min	carbonates 39	_
Venue: Coffe	e Fover Area	Poster Session 17: Sanding and Solid Production Geomechanics	Poster Session 18: Special Applications of Well Integrity		Poster Session 19: Structural Geomechanics, Tectonics, aand Pore Pressure	Poster Session 20: CO2 Regional Field and Case Studies	
venue. come	e royel Alea	Session Chair:	Session Chair:		Session Chair:	Session Chair:	
15:50	16:00	Osman Hamid (Saudi Aramco) 21 Impact of Drilling Fluids on Sanding Potential and Mechanical Integrity in	Noor Albasheer (Saudi Aramco) Innovative Approaches to Enhance Micro-Frac Tests for Geomechanical	26 31	Jakub Fedorik (Saudi Aramco) Structural characterization of interference structures in the	Maria Sierra Hernandez (KAUST) Mechanical characterization of Upper Jurassic anhydrite-carbonate	
13.30	10.00	Clastic Sandstone Reservoirs	Modeling	20 31	Arabian Platform	sequences in Saudi Arabia and its implications for seal integrity 36	
46.00	46:40	Anusarn Sangnimnuan (PTTEP) Production Optimization in Sand-Prone Wells Using Sand Transport	HEMANT SINGH (Baker Hughes ) Completion Evaluation and Optimization for Repurposing of Wells into	27 22	Xianghui Qin (Institute of Geomechanics, Chinese Academy of Geological	Eudes Muniz (SLB) Geomechanical Characterization of Turbidite Deposits in the Montney	
16:00	16:10	Model Model	Gas Storage Candidates in a Brown Field: A Case Study from Nile Delta	27 32	Sciences) In-situ stress measurements over the eastern Himalayan Syntaxis and implications for seismicity	Formation in Western Canada as a Potential for Carbon Capture and Storage Site 37	
		Eakasit Leelachutipong (PTTEP)	Xiaochen Wei (Chinese Society for Rock Mechanics &		Olga Lykhachova (Math2Market GmbH)	Xing Yu (China University of Petroleum, Beijing) Experimental study on	
16:10	16:20	Integrated Experimental and Numerical Study of Water Saturation- Induced Rock Weakening Effects on Sand Production	Engineering, CSRME) Mechanisms and Prevention of Fault Slip-Induced Casing Deformation in Faulted Shale Oil	28 33	Improved modeling of elastic properties in rock formations for seismic analysis	oil recovery efficiency of low permeability sandstone reservoir with impure CO2: A Case Study of the Changqing Oilfield	
		Sadegh Asadi (Baker Hughes)	Reservoirs M Faizzudin Mat Piah (PETRONAS)		Sid-Ali Ouadfeul (Central Directorate of Reserach and	Thomas Finkbeiner (King Abdullah University of Science and	
16:20	16:30	Geomechanical Assessment of Sanding Risks in Injectivity Tests	Fracture Propagation during Water-Alternate-Gas Injection: A Practical Workflow Based on Wellbore Storage Analysis	29 34	Development, Sonatrach) Application of	Technology) Stress Constraints and Critically-Stressed Fractures in the Basaltic Jizan Group, Saudi Arabia	
10.20	10.30		WORKING BASED ON WEIDUTE STURGE ANALYSIS	29 34	Shale Gas Reservoirs: Application to Barnett Shale (USA)	Successed Fractures in the basaltic Jizan Group, Saudi Arabia	
		Mohammed AL-Aamri (PDO)	Pengcheng Ji (Chengdu University Of Technology)		Chin Tee Ang (PETRONAS Research Sdn. Bhd.)	W Nur Safawati W Mohd Zainudin (Petronas Research Sdn Bhd)	
16:30	16:40	Breaking Point: When Shale Volume Triggers Sand Failure in Clastic Plays	Research on Classification Optimization of Fracturing Parameters for Shale Oil Based on Geological-engineering double Sweet Spot Evaluation	30 35	Leveraging Spatio-Temporal Attention Neural Network for	Integrated Characterization of Caprock Seal Potential Using Cuttings- Based Petrophysical Analysis: A Case Study from T-2 Well, Offshore	
			2.1 Succes on Geological Engineering Goddie Sweet Spot Evaluation			Peninsular Malaysia 40	
16:40	17:00	Closing by Gang Han Award ceremony					
		Announcement for 2027					

End of Day 3

	Session 15: Advances in Subsurface Energy Storage	
	Venue: Al Ahsa 1 & 2	Co-Chair: Name, Company
		Co-Chair: Name, Company
	Meitao Zou (Tongji University)	Investigation of Soil Behavior Evolution Surrounding Underground LNG
9		Storage Tanks During Leakage Scenarios
	Ahmed Fatah (King Fahd University of Petroleum & Minerals)	Evaluating Cement Integrity and Capillary Pressure Behavior for
10		Subsurface Hydrogen Storage Applications
	Marwah Alsinan (Saudi Aramco)	Integrated Thermo-Compositional-Mechanical Modelling of Cyclic
11		Hydrogen Storage in Depleted Gas reservoirs.
	Zhi Fang (Petro-Geomechanics LTD)	An advanced geomechanics study to minimize the drilling risks and
		optimise the new wells placement for a hydrogen storage project in a
12		Southern North Sea depleted gas reservoir
		Comparative Analysis of Sand Production Mitigation in Semi-Consolidated
	Mohammed Alameen, Universiti Teknologi petronas	and Consolidated Sandstones Through Formation Strength Enhancement
		<u> </u>
	Session 18:	
	Session 18: Venue: Al Ahsa 1 & 2	Co-Chair: Name, Company
	venue: Al Ansa 1 & 2	Co-Chair: Name, Company
		1 1 1
	Jing Liu (Southwest Jiaotong University)	Study on the Fractal Distribution Characteristics and Hazard Assessment
21		of Earthquake-Induced Landslides in Sichuan Province
	Yijun Chen (New York University Abu Dhabi)	Thermodynamic framework of non-local continuum damage-plasticity
22		model for geomaterials and its practical applications
	Xuejian chen (New York University)	3D Random large-deformation modelling on submarine landslide runout
		in spatially variable soils considering fluid-solid coupling
23		
	Mohammed Shitu (Federal College of Education, Yola)	Correlation Between Magnetic Susceptibility and Heavy Metal
		Concentration in Topsoil
24		
	Constant Name Company	

Session 21: Fracture Mechanics & Crack Propagation – Experimental and numerical investigations into rock and material failure Venue: Al Ahsa 1 & 2	Co-Chair: Name, Company Co-Chair: Name, Company
Tameem Almani (Saudi Aramco, KFUPM)	A Partially Parallel in Time Undrained Split Iterative Coupling Scheme for Modelling Hydraulic Fracture Propagation
Gary Couples (Heriot-Watt University)	La Mort du 'Stress Function'? Challenging the Kirsch and Inglis Models
Keita Yoshioka (Montanuniversität Leoben)	Nucleation of remote hydraulic fracturing
Lingyun Kong (China University of Geosciences-Wuhan)*;	Crack Propagation Offset by Cemented Nature Fractures: Implication for Fracture Swarm Phenomenon
Rached Rached (STME)	How Small Is Too Small? Thickness Limits for Micro-Indentation Analysis of Drill Cuttings