● H009-0013A fixed-stress split for the simulation of coupled pore-scale flow and grain mechanics
Yue Meng, Wei Li, Bauyrzhan Primkulov and Ruben Juanes, (1)Massachusetts Institute of Technology, Cambridge, MA, United States, (2)Massachusetts Institute of Technology, Department of Civil and Environmental Engineering, Cambridge, MA, United States

Monday, 7 December 2020
07:00 - 23:59

● Poster

● H018-04Fluid-fluid displacement in porous media: completing Lenormand’s phase diagram for arbitrary wettability.

Monday, 7 December 2020
19:12 - 19:16

● Virtual

● H018-05Fluid-fluid displacement in mixed-wet porous media
Ashkan Irannezhad, Bauyrzhan Primkulov, Ruben Juanes and Benzhong Zhao, (1)McMaster University, Hamilton, ON, Canada, (2)Massachusetts Institute of Technology, Cambridge, MA, United States, (3)McMaster University, Hamilton, Canada

Monday, 7 December 2020
19:16 - 19:20

● Virtual

● H023-06The Effects of Motile Bacteria on Viscous Fingering
Jane Chui, Harold Auradou and Ruben Juanes, (1)Massachusetts Institute of Technology, Cambridge, MA, United States, (2)Université Paris-Sud, CNRS, Orsay, France

Monday, 7 December 2020
20:45 - 20:48

● Virtual

● H067-04Forced Imbibition in Rough Fractures
Yu Qiu, Ke Xu, Amir Pahlavan and Ruben Juanes, (1)Massachusetts Institute of Technology, Cambridge, MA, United States, (2)Peking University, Beijing, People’s Republic of China, (3)Princeton University, Princeton, NJ, United States

Wednesday, 9 December 2020
10:12 - 10:16

● Virtual
S027-0014 Slip stability at heterogeneous interfaces with large-slip kinematics
Maryam Alghannam, Jan M Nordbotten and Ruben Juanes, (1) Massachusetts Institute of Technology, Cambridge, MA, United States, (2) University of Bergen, Bergen, Norway
Thursday, 10 December 2020
07:00 - 23:59
Poster

S027-0008 Impact of dilatant strengthening on fault slip stability
Antoine Jacquey, Manolis Veveakis and Ruben Juanes, (1) Massachusetts Institute of Technology, Cambridge, MA, United States, (2) Duke University, Civil and Environmental Engineering, Durham, United States
Thursday, 10 December 2020
07:00 - 23:59
Poster

OS034-06 Crustal fingering facilitates free-gas methane migration through the hydrate stability zone
Xiaojing Fu, University of California Berkeley, Earth and Planetary Science, Berkeley, CA, United States, Joaquin Jimenez-Martinez, EAWAG Swiss Federal Institute of Aquatic Science and Technology, Department of Water Resources and Drinking Water, Dübendorf, Switzerland, Thanh Phong Nguyen, Los Alamos National Laboratory, Los Alamos, United States, James W Carey, Los Alamos National Laboratory, Earth & Environmental Sciences, Los Alamos, NM, United States, Hari Selvi Viswanathan, Los Alamos National Laboratory, Los Alamos, NM, United States, Luis Cueto-Felgueroso, Universidad Politécnica de Madrid, Madrid, Spain and Ruben Juanes, Massachusetts Institute of Technology, Cambridge, MA, United States
Friday, 11 December 2020
20:52 - 20:56
Virtual

S057-04 Seismic or aseismic: a machine learning approach to classification of frictional fault systems
Ehsan Haghighat, Maryam Alghannam and Ruben Juanes, Massachusetts Institute of Technology, Cambridge, MA, United States
Tuesday, 15 December 2020
10:14 - 10:18
Virtual

GC110-04 Assessing the Potential for CO2 Migration along Fault Zones during Geologic Carbon Storage in Offshore-Texas Sedimentary Formations
Lluis Salo, Josimar Alves Silva, John Steven Davis and Ruben Juanes, (1) Massachusetts Institute of Technology, Cambridge, MA, United States, (2) ExxonMobil Upstream Integrated Solutions Company, Spring, TX, United States
Tuesday, 15 December 2020
22:09 - 22:12
Virtual

GC111-02 Large-scale CO2 Storage in Offshore Sedimentary Formations: 3D Flow-Geomechanics Modeling Assessments of Gulf of Mexico Reservoirs
Ruben Juanes, Josimar Alves Silva, Lluis Salo, John Steven Davis and Joseph E Patterson, (1) Massachusetts Institute of
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Dates</th>
<th>Type</th>
<th>Venue</th>
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<tbody>
<tr>
<td>MR015-0006 Experimental Study on the Seismic Behavior of Fault Gouge under Changing Pore Pressures</td>
<td>Wei Li, Massachusetts Institute of Technology, Department of Civil and Environmental Engineering, Cambridge, MA, United States and Ruben Juanes, Massachusetts Institute of Technology, Cambridge, MA, United States</td>
<td>Tuesday, 15 December 2020 23:34 - 23:38</td>
<td>Virtual</td>
<td>Cameroon, USA</td>
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<td>H202-09 Gravity fingering control on evaporation and deep drainage in a 3D porous medium</td>
<td>Rebecca Liyanage and Ruben Juanes, Massachusetts Institute of Technology, Cambridge, MA, United States</td>
<td>Wednesday, 16 December 2020 07:00 - 23:59</td>
<td>Poster</td>
<td>Cameroon, USA</td>
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<tr>
<td>H209-03 Fingered water infiltration in soil suggests higher resilience of ecosystem in water-stressed climate</td>
<td>Xiaojing Fu, University of California Berkeley, Earth and Planetary Science, Berkeley, CA, United States, Luis Cueto-Felgueroso, Universidad Politécnica de Madrid, Madrid, Spain and Ruben Juanes, Massachusetts Institute of Technology, Cambridge, MA, United States</td>
<td>Wednesday, 16 December 2020 08:54 - 08:57</td>
<td>Virtual</td>
<td>Cameroon, USA</td>
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Virtual