Invitation

NSERC/Energi Simulation Research Consortium in Reservoir Geomechanics

The Reservoir Geomechanics Research Group, [RG]^2, is launching the second phase of our research program dedicated to addressing key challenges for reservoir geomechanics with acknowledged support from NSERC, Energi Simulation and several industry sponsors.

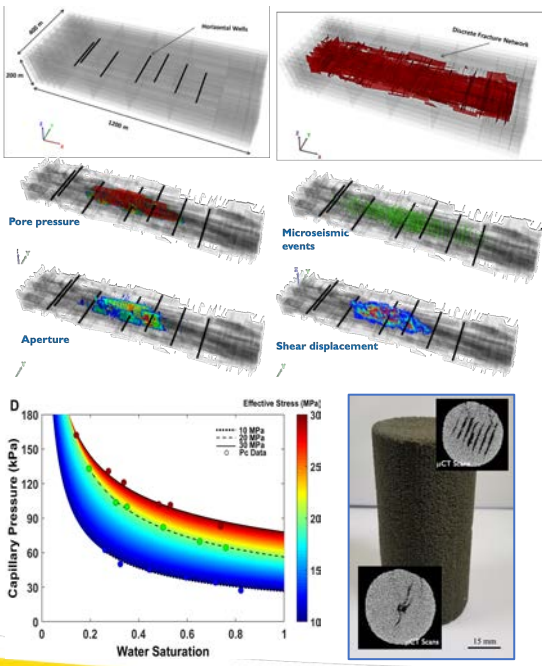
Please join us on Thursday, November 28 from 1:00 until 3:00 pm for a reservoir geomechanics conversation around the research program which is focusing on:

- In situ thermal recovery processes in oil sands; and
- Development of shale/tight oil & gas resources, specifically Montney and Duvernay Formations.

[RG]^2 will build on our past successes to pursue significant advances in:

1) experimental methods that transform our understanding of the complex thermo-hydro-mechanical behavior of unconventional reservoir formations;
2) innovative reservoir-geomechanical simulation and modelling approaches; and
3) 3D printing technologies for the manufacture of "smart" rocks that will serve as a technology platform for the next generation of experimental investigations of multi-scale, multi-physics reservoir geomechanical processes.

A selection of consortium projects developed within five fully integrated technical themes are illustrated in Figure 1 and Figure 2 provides an overview of our unique GeoInnovation Environments that will underpin the research program.



We look forward to discussing key reservoir geomechanical challenges, setting priorities for our upcoming research program and exploring collaboration opportunities within the Consortium.

Location: UAlberta Calgary Centre
120, 333 – 5th Avenue SW Calgary
Date: November 28, 2019
Time: 1:00 pm to 3:00 pm

Please RSVP to Hope Walls :
Email: hwalls@ualberta.ca or Phone: +1 780 492 3953

To discuss collaboration opportunities, please contact:

Rick Chalaturnyk, PhD, PEng, FEIC
Professor and Energi Simulation Chair in Reservoir Geomechanics
Director: Reservoir Geomechanics Research Group
University of Alberta
Cell: +1 780 884 0104 Em: rc11@ualberta.ca

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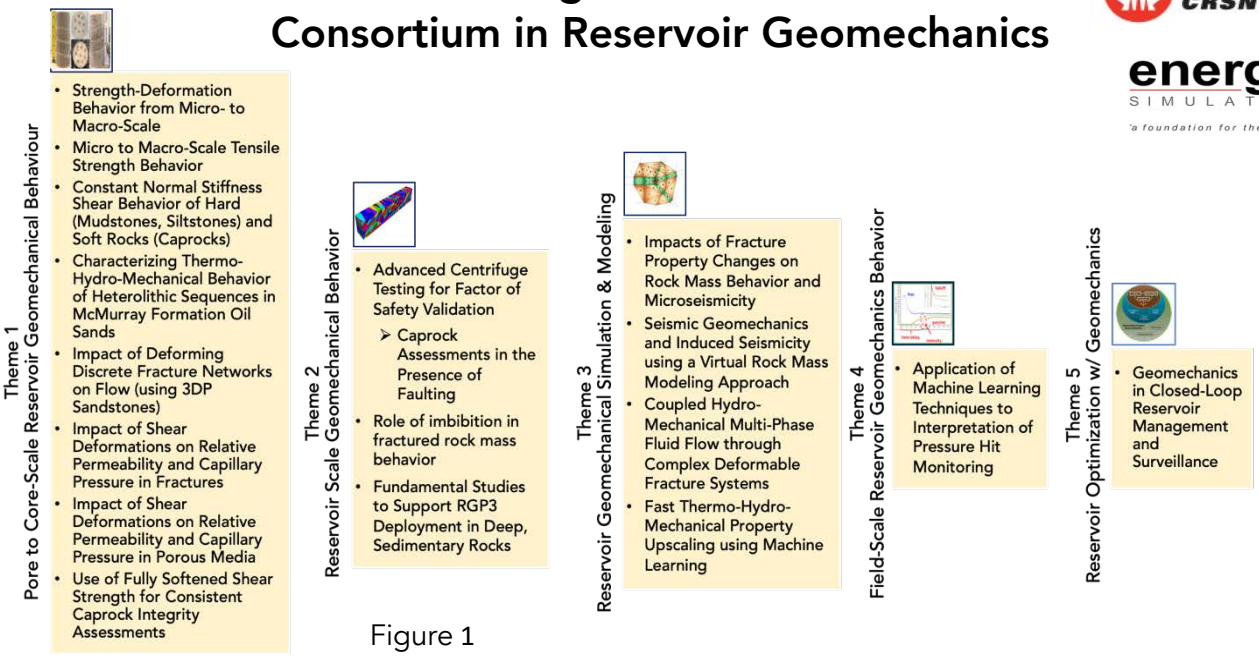

Figure 1

Our unique GeoInnovation Environments (GIEs) within [RG]^2 represent unique, integrated, multidisciplinary university research laboratory environments that will enable breakthroughs in our understanding of constitutive material behavior and our ability in simulating their complex reservoir geomechanical behavior during recovery of unconventional hydrocarbons at multiple scales. Our research team has reservoir geomechanical expertise in reservoir simulation, reservoir surveillance design and implementation, and field services including core preservation and transport, instrumentation design, and experimental programs. Additional information on [RG]^2 can be found at www.rgrg.ca .

Our GeoInnovation Environments

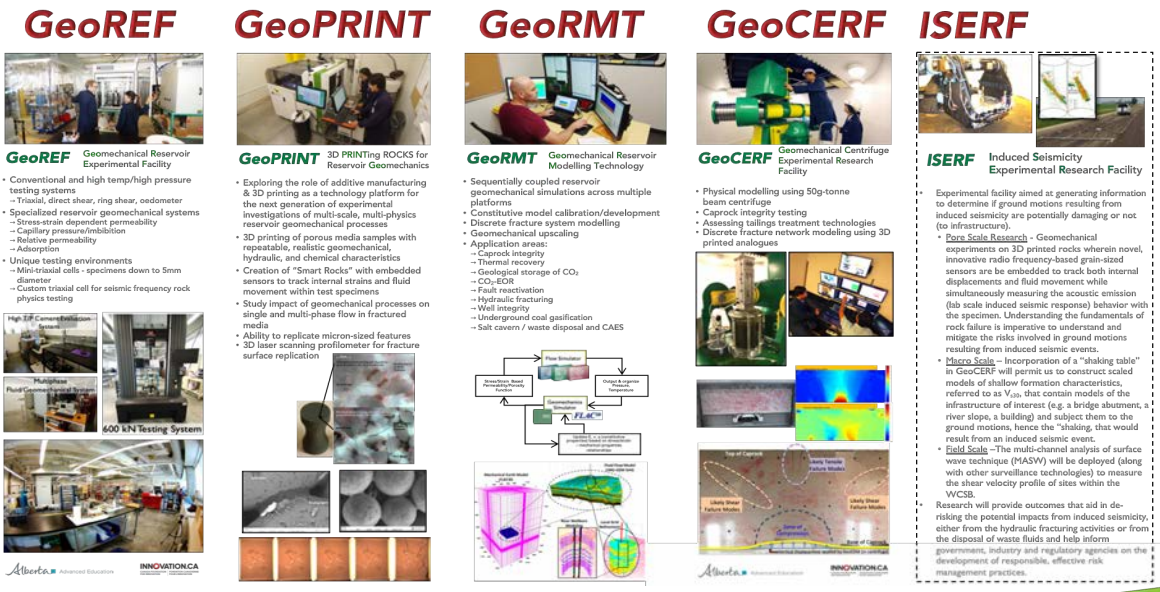

Figure 2