

# CouFrac 2018 Agenda

**Monday, November 12, 2018**

## Welcome and Opening Ceremony | Room: Chu Welkin Grand Hall I (Chair: Jonny Rutqvist)

8:30	<p>Welcome, safety, and logistics  <b>Jonny Rutqvist, CouFrac Chair</b>  <b>Pengzhi Pan, CouFrac 2018 Co-Chair</b></p>
8:35	<p><b>Institute of Rock and Soil Mechanics, Chinese Academy of Sciences Welcome</b>  <b>Qiang Xue, Director of Institute of Rock and Soil Mechanics, Chinese Academy of Sciences</b></p>
8:40	<p><b>Opening Remarks</b>  <b>Jonny Rutqvist, CouFrac Chair</b>  <b>Derek Elsworth, CouFrac 2018 International Scientific Advisory Committee Member</b></p>

## Keynote Presentation | Room: Chu Welkin Grand Hall I (Chair: Yvonne Tsang)

8:50	<p><b>Upscaling HF Models to Simulate the Development of a Stimulated Zone</b>  <b>Maurice B. Dusseault, University of Waterloo, Waterloo, ON, Canada</b></p>
9:40	<b>Group Photo</b>
9:50	<i>Coffee Break</i>

## Sessions | Tracks A, B, C: Chu Welkin Grand Hall I, Chu Welkin Grand Hall II, Press Conference Hall

10:15	Session 1-1	Session 4-1	Session 5-1
10:35			
10:55			
11:15			
11:35			
12:00	<i>Lunch at Champs Elysees café (second floor)</i>		

## Keynote Presentation | Room: Chu Welkin Grand Hall I (Chair: Christophe Tournassat)

13:30	<p><b>Incorporating Microscale Chemical and Mechanical Effects into Reactive Transport Modeling of Subsurface Faults</b>  <b>Carl I. Steefel, Lawrence Berkeley National Laboratory, USA</b></p>
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## Sessions | Tracks A, B, C: Chu Welkin Grand Hall I, Chu Welkin Grand Hall II, Press Conference Hall

14:20	Session 1-2	Session 2-1	Session 6-1
14:40			
15:00			
15:20			
15:40	<i>Coffee Break</i>		

## Panel Discussion | Room: Chu Welkin Grand Hall I (Chairs: Xia-Ting Feng, Jonny Rutqvist)

16:10	<p><b>Past, Current and Future of Coupled Processes in Fractured Rock</b>  <b>Chin-Fu Tsang, Ove Stephansson, Maurice B. Dusseault, Nick Barton, Lanru Jing</b></p>
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## Posters & Reception | Room: Chu Welkin Grand Hall

18:00-20:00	
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<b>Tuesday, November 13, 2018</b>			
<b>Keynote Presentation   Room: Chu Welkin Grand Hall I (Chair: Mengsu Hu)</b>			
8:30	<b>Complex Coupled Processes in the Breaching and Sealing of Faults</b> <b>Derek Elsworth, Pennsylvania State University, USA</b>		
9:20	<i>Coffee Break</i>		
<b>Sessions   Tracks A, B, C: Chu Welkin Grand Hall I, Chu Welkin Grand Hall II, Press Conference Hall</b>			
9:45	Session 5-2	Session 1-3	Session 2-2
10:05			
10:25			
10:45			
<b>Chin-Fu Tsang Award Ceremony &amp; Award Lecture   Room: Chu Welkin Grand Hall I (Chair: Jonny Rutqvist)</b>			
11:15	<b>Chin-Fu Tsang Coupled Processes Award Ceremony</b> <b>Chin-Fu Tsang</b>		
11:25	<b>Chin-Fu Tsang Award Lecture</b> <b>Numerical modelling of coupled discrete multiple fracture growth, fluid flow and temperature in three dimensions</b> <b>Adriana Paluszny, Imperial College London, UK</b>		
12:00	<i>Lunch at Champs Elysees café (second floor)</i>		
<b>Keynote Presentation   Room: Chu Welkin Grand Hall I (Chair: Adriana Paluszny)</b>			
13:30	<b>Characterization of Fractures using Dynamic Diagnostics</b> <b>Laura J. Pyrak-Nolte, Purdue University, USA</b>		
<b>Sessions   Tracks A, B, C: Chu Welkin Grand Hall I, Chu Welkin Grand Hall II, Press Conference Hall</b>			
14:20	Session 1-4	Session 2-3	Session 4-2
14:40			
15:00			
15:20			
15:40	<i>Coffee Break</i>		
<b>Sessions   Tracks A, B, C: Chu Welkin Grand Hall I, Chu Welkin Grand Hall II, Press Conference Hall</b>			
16:10	Session 1-5	Session 2-4	Session 3-1
16:30			
16:50			
17:10			
<b>Banquet Dinner   Room: Chu Welkin Grand Hall</b>			
18:00-20:00	<b>Banquet Dinner</b>		
19:30-20:00	<b>Introduction of ISRM Commission on THMC in Fractured Rock</b> <b>Jonny Rutqvist, Commission President</b> <b>Announcement of CouFrac 2018 Best Organizing Committee Member Award</b> <b>Pengzhi Pan, CouFrac 2018 Co-Chair</b>		

# CouFrac 2018 Agenda

<b>Wednesday, November 14, 2018</b>			
<b>Keynote Presentation   Room: Chu Welkin Grand Hall I (Chair: John-Paul Latham)</b>			
8:30	<b>Carbon Dioxide Fracturing for Tight/Shale Gas Reservoirs</b> Dongxiao Zhang, Peking University, China		
<b>Sessions   Tracks A, B, C: Chu Welkin Grand Hall I, Chu Welkin Grand Hall II, Press Conference Hall</b>			
9:20	Session 1-6	Session 3-2	Session 4-3
9:40			
10:00			
10:20			
10:40	<i>Coffee Break</i>		
<b>Sessions   Tracks A, B, C: Chu Welkin Grand Hall I, Chu Welkin Grand Hall II, Press Conference Hall</b>			
11:10	Session 1-7	Session 3-3	Session 6-2
11:30			
11:50			
12:10	<i>Lunch at Champs Elysees café (second floor)</i>		
<b>Keynote Presentation   Room: Chu Welkin Grand Hall I (Chair: Antonio Pio Rinaldi)</b>			
13:30	<b>Probing at the source of induced seismicity: a glimpse into the future of couplings between permeability creation, stimulated fault area and aseismic / seismic slip</b> Yves Guglielmi, Lawrence Berkeley National Laboratory, USA		
<b>Sessions   Tracks A, B, C: Chu Welkin Grand Hall I, Chu Welkin Grand Hall II, Press Conference Hall</b>			
14:20	Session 2-5	Session 3-4	Session 4-4
14:40			
15:00			
15:20			
15:40	<i>Coffee Break</i>		
<b>Concluding Keynote Presentation   Room: Chu Welkin Grand Hall I (Chair: Ki-Bok Min)</b>			
16:10	<b>Hydraulic-mechanical coupling problems during the extraction of tight gas at high stresses</b> Xia-Ting Feng, Institute of Rock and Soil Mechanics, Chinese Academy of Sciences; Northeastern University, China		
<b>Closing Ceremony   Room: Chu Welkin Grand Hall I (Chair: Mengsu Hu)</b>			
17:00	<b>Announcement of Best Oral Presentation, Best Poster Awards</b> Carl I. Steefel, CouFrac 2018 International Scientific Advisory Committee Member		
17:15	<b>Closing Remarks</b> Jonny Rutqvist, CouFrac Chair Pengzhi Pan, CouFrac 2018 Co-Chair		