

## Agenda – May 4, 2018

08:30 am – 09:00 am *Continental Breakfast*

09:00 am – 09:05 am *Introduction & Opening Remarks – E. Ozkan*

### Phase Behavior 09:05 am – 10:00 am

09:05 am – 09:20 am *Summary and Background – X. Yin*

09:20 am – 09:40 am *Using Oscillations to Determine Capillary Condensation – K. Krishnan*

09:40 am – 10:00 am *PVT Behavior under Confinement based on Actual Data – T. Caliskan*

### Pore/Molecular-Scale Modeling 10:00 am – 10:30 am

10:00 am – 10:30 am *Seeing Permeability with Images – X. Yin*

### 10:30 am – 10:50 am Coffee Break

### PVT in a Chip 10:50 am – 12:00 pm

10:50 am – 11:05 am *Modeling Phase Behavior with Capillary Pressure – A. Kamruzzaman*

11:05 am – 11:30 am *Optically Measuring Pressure in Micro-Fractures – Kaia Corp.*

11:30 am – 12:00 pm *Demo and Discussion – Kaia Corp.*

### 12:00 pm – 01:00 pm Lunch Break (Marquez Hall Atrium)

### Hydraulic Fracture Diagnostics 01:00 pm – 01:50 pm

01:00 pm – 01:20 pm *Critical Assessment of Diagnostic Fracture Injection Tests – E. Ozkan*

01:20 pm – 01:50 pm *Hyd. Frac. Model of EGS & Fiber-Optics Flow Loop. – K. Kutun*

### Hindered Transport-I 01:50 pm – 02:25 pm

01:50 pm – 02:10 pm *Determining Osmotic Pressure Using Centrifuge – O. Uzun*

02:10 pm – 02:25 pm *Update on Filtration Efficiency of Nanoporous Media – J. Huseynova*

### 02:25 pm – 02:45 pm Coffee Break

### Hindered Transport-II 02:44 pm – 03:00 pm

02:45 pm – 03:10 pm *Hindered Transport in Niobrara Samples – Z. Zhu*

03:10 pm – 03:30 pm *Laboratory Study of Hydrocarbon Filtration – Z. Liu*

### Wrap Up 03:30 pm – 03:45 pm

03:30 pm – 03:45 pm *Summary and Group Discussion – E. Ozkan*

### 03:45 pm Adjourn

### Address

Colorado School of Mines  
Petroleum Engineering, Dept.  
Marquez Hall  
1600 Arapaho Street  
Golden, Colorado 80401

### Meeting Room

Marquez Hall (MZ) 108

### Contact Person

Ms. Denise Winn-Bower  
Research Administrator  
Phone: [303-273-3945](tel:303-273-3945)  
Fax: [303-273-3189](tel:303-273-3189)  
E-mail: [dwinnbow@mines.edu](mailto:dwinnbow@mines.edu)

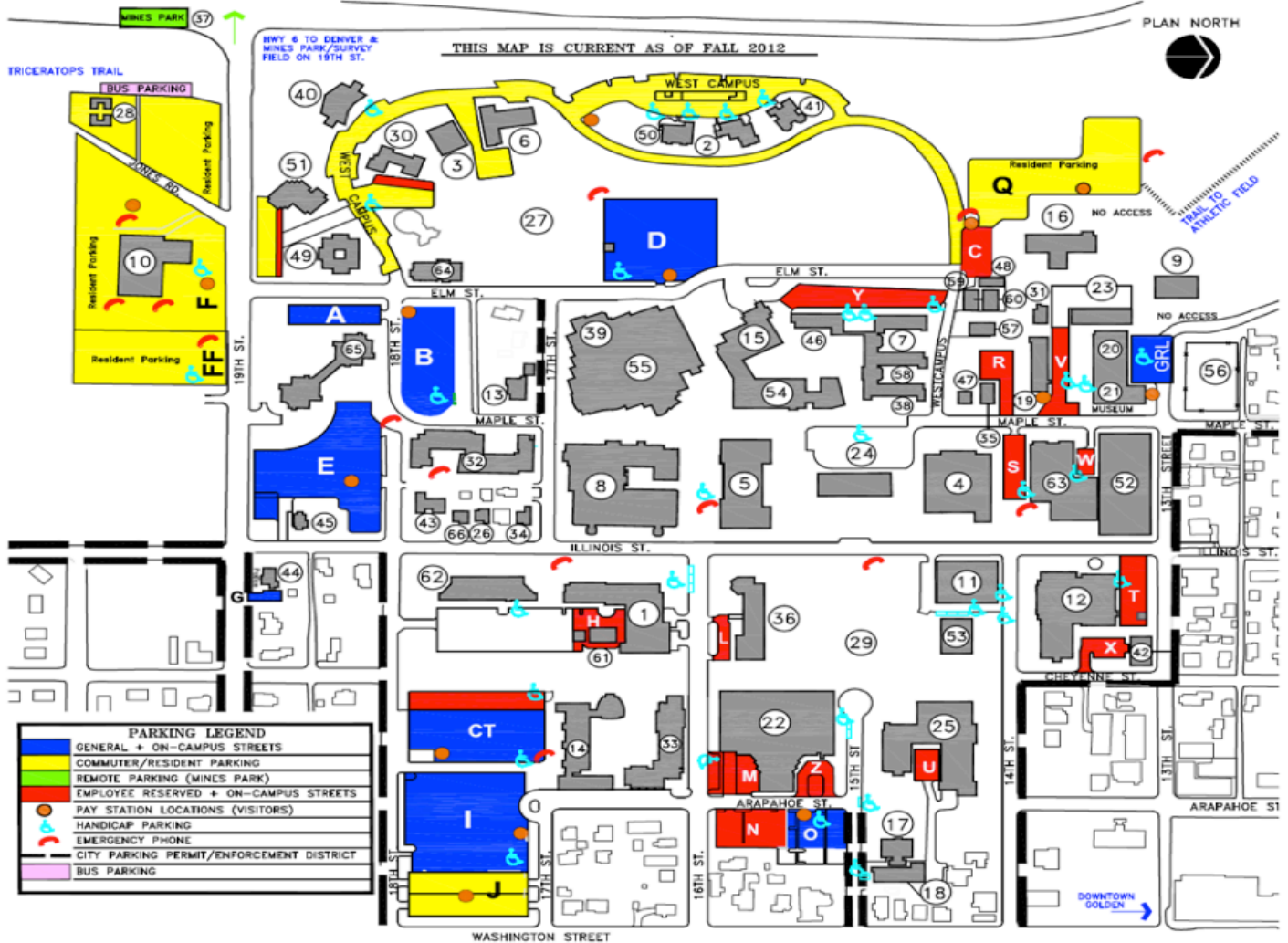
### Driving Directions

From Denver Int. Airport:  
Take Peña Blvd and drive 11.4 miles to merge onto I-70W; in 18.1 miles take exit 265 to merge onto CO-58W toward Golden / Central City; drive 4.6 miles and take Washington St exit; turn left to Washington St and drive 0.7 miles; turn right to 16<sup>th</sup> street; Marquez Hall is on the left at the corner of the 16<sup>th</sup> St and Arapaho.

From Downtown Denver:  
Take US-6W/6<sup>th</sup> Ave; drive 10 miles and turn right to 19<sup>th</sup> St; in 0.3 miles turn left to Illinois St and in 0.2 miles turn right to 16<sup>th</sup> St. Marquez Hall is on your right at the corner of the 16<sup>th</sup> St and Arapaho.

### Parking Instructions

Parking on campus during operational hours (Monday-Friday 7 a.m.-5 p.m.) requires a metered parking permit. Park in the General (blue), street parking (blue) or Commuter (yellow) lots (<http://www.mines.edu/MapsDirectionsParkingInfo>). All visitor parking areas have a pay and display parking meter. Please visit the pay stations to receive a parking permit. Pay station meter rates for General (blue) parking are \$1.50 per hour or \$8 daily; rates for Commuter lots are \$1.25 per hour or \$6 daily. Metered parking permits must be displayed on your dashboard.



## COLORADO SCHOOL OF MINES

MAY 2012

### KEY TO FACILITIES

- |  |                                     |  |
|--|-------------------------------------|--|
| 1. ALDERSON HALL (AH)  | 28. JONES APARTMENTS (ZQ & ZR)      | 57. THE PINES—FOUNDATION (6S)                    |
| 2. ALPHA PHI SORORITY (Z4)   | 29. KAFADAR COMMONS                 | 58. THOMAS HALL (TH)                             |
| 3. ALPHA TAU OMEGA FRATERNITY  | 30. KAPPA SIGMA FRATERNITY          | 59. TIMBERLINE #1—UNIVERSITY ADVANCEMENT (7S)    |
| 4. ARTHUR LAKE'S LIBRARY (LB)  | 31. LOCK SHOP (S3)                  | 60. TIMBERLINE #2—UNIVERSITY ADVANCEMENT (8S)    |
| 5. BERTHOUD HALL (BE)  | 32. MAPLE HALL (RH)                 | 61. UNIT OPERATIONS LAB (UO)                     |
| 6. BETA THETA PI FRATERNITY  | 33. MARQUEZ HALL (MZ)               | 62. U.S.G.S. OFFICES AND LAB (GS)                |
| 7. BRADFORD HALL (BR)  | 34. MCBRIDE HONORS (ZS)             | 63. VOLK GYMNASIUM (GY)                          |
| 8. BROWN HALL (BB)   | 35. MEP (ZL)                        | 64. W. LLOYD WRIGHT STUDENT WELLNESS CENTER (WC) |
| 9. CARPENTER SHOP (1S)   | 36. MEYER HALL (MH)                 | 65. WEAVER TOWER (WT)                            |
| 10. CENTRAL RECEIVING/RECYCLING AND MUSIC PROGRAM (CR)                     | 37. MINES PARK COMMUNITY CENTER     | 66. WISEM (ZV)                                   |
| 11. CHAUVENET HALL (CH)  | 38. MORGAN HALL (MO)                |  |
| 12. COOLBAUGH HALL (CO)  | 39. OUTDOOR RECREATION (RC)         |  |
| 13. COOLBAUGH HOUSE (ZO)   | 40. PHI GAMMA DELTA FRATERNITY (Z1) |  |
| 14. CTLM (CT)  | 41. PI PHI SORORITY (Z3)            |  |
| 15. DINING HALL (SC)   | 42. POWER PLANT (HP)                |  |
| 16. EMI DRILLING LABORATORY (EM)   | 43. PRESIDENT'S HOME                |  |
| 17. ENGINEERING HALL (EH)  | 44. PUBLIC SAFETY ANNEX (ZG)        |  |
| 18. ENGINEERING HALL ANNEX (EA)  | 45. PUBLIC SAFETY (ZJ)              |  |
| 19. FACILITIES MANAGEMENT, PARKING & CAPITAL PLANNING & CONSTRUCTIONS (FM) | 46. RANDALL HALL (RA)               |  |
| 20. GENERAL RESEARCH LAB (RL)  | 47. ROTC (ZK)                       |  |
| 21. GEOLOGY MUSEUM (RL)  | 48. ROTC (5S)                       |  |
| 22. GREEN CENTER (GC)  | 49. SIGMA ALPHA EPSILON FRATERNITY  |  |
| 23. GROUNDS/TRUCK SHOP (2S)  | 50. SIGMA KAPPA SORORITY (Z5)       |  |
| 24. GUGGENHEIM HALL (GH)   | 51. SIGMA PHI EPSILON FRATERNITY    |  |
| 25. HILL HALL (HH)   | 52. STEINHAEUER FIELD HOUSE (FH)    |  |
| 26. INTERNATIONAL PROGRAM (ZH)   | 53. STRATTON HALL (SH)              |  |
| 27. INTRAMURAL FIELD (IM)  | 54. STUDENT CENTER (SC)             |  |
|  | 55. STUDENT RECREATION CENTER (RC)  |  |
|  | 56. TENNIS COURTS                   |  |

### Suggested Hotels

The following hotels are located in Downtown Golden and within walking distance of Campus. Mention that you are attending a CSM function.

Table Mountain Inn  
 1310 Washington Avenue  
 Golden, Colorado 80401  
 (303) 277-9898  
 (800) 762-9898 (<http://www.tablemountaininn.com/>)

The Golden Hotel  
 800 11th Street  
 Golden, CO 80401  
 (303) 279 0100  
 (800) 233 7214 (<http://www.golden-hotel.com/>)