



2017 IRC WORKSHOP ON PROCESS SYSTEMS ENGINEERING AND CONTROL

Date: Tuesday, Jan. 24, 2017

Time: 8:00 AM – 4:30 PM

Venue: ETLC Solarium, University of Alberta

Sponsors: NSERC, AITF, Cenovus, Emerson, Spartan, Suncor, Syncrude, University of Alberta

TIME	TOPIC	SPEAKER
8:00 – 8:30 AM	<i>Registration open; Cookies & coffee</i>	
8:30 – 8:35 AM	Introduction, safety	• Biao Huang
8:35 – 8:45 AM	Opening remarks	• Ken Cadien
8:45 – 9:15 AM	Sample soft sensors and inferential control applications	• Ming Ma
9:15 – 9:45 AM	New development of steam quality soft sensors	• Yanjun Ma
9:45 – 10:15 AM	Modeling and inference of liquid level above the producer well of SAGD	• Shabnam Sedghi
10:15 – 10:45 AM	<i>Coffee Break</i>	
10:45 – 11:15 AM	Soft sensor analytics toolbox	• Ming Ma



11:15 –11:40 AM	Image processing for interface detection	• Zheyuan Liu
11:40 –12:05 PM	PSV interface detection with profiler and camera	• Fadi Ibrahim
12:05 – 1:00 PM	<i>Lunch</i>	
1:00 –1:30 PM	Detection and diagnosis of subcool and ESP abnormality in SAGD	• Rahul Raveendran
1:30 –2:00 PM	Performance assessment of subcool control in SAGD	• Yousef Alipouri
2:00 –2:30 PM	Process data and control performance analytics toolbox	• Kirubakaran Velswam,
2:30 –2:45 PM	Oscillation diagnosis toolbox	• Wenhan Shen
2:45 –3:15 PM	Economic optimization of water flow network in SAGD operations	• Yuan Yuan
3:15 – 4:30 PM	Concluding remarks and Discussion	• IRC Partners

Contact:

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Parking Map:

[Windsor Car Park](#)

Venue Map:

[ETLC Solarium, University of Alberta](#)