



PUMP SCHOOL

2018 SCHEDULE

MONDAY, SEPTEMBER 17

6:00 - 9:00 pm Welcome Reception Queen Marie Ballroom

TUESDAY, SEPTEMBER 18

ALL GROUPS

TIME	TOPIC	PRESENTER	LOCATION
6:30 - 7:50 AM	Breakfast		Arcadian Garden
7:15 - 8:00 AM	Registration		Colonel Lindbergh
8:00 - 8:15 AM	Welcome/Introduction	Marcus Davi	Colonel Lindbergh
5:30 - 6:30 PM	Drinks		Colonel Lindbergh
6:30-9:00 PM	Dinner		Kells Restaurant

TRACK #1 MC - BOB JANSEN

TIME	TOPIC	PRESENTER	LOCATION
8:15 - 8:45 AM	Pump Parts & Terminology	David Haas	Colonel Lindbergh
8:45 - 9:30 AM	Basic Hydraulics	Mark Greene	Colonel Lindbergh
9:30 - 10:15 AM	Pump Curves, System Design, TDH, & Friction	Lloyd Spanke	Colonel Lindbergh
10:15 - 10:30 AM	Break		
10:30 - 11:15 AM	System Curves, Pumps in Parallel / Series	Bill Schlittler	Colonel Lindbergh
11:15 AM - 12:00 PM	NPSHA/R	Andrew Enterline	Colonel Lindbergh
12:00 - 1:15 PM	Lunch		Arcadian Gardens
1:15 - 1:45 PM	Pump Selection	Bob Jansen	Colonel Lindbergh
1:45 - 2:30 PM	Pump-Flo Selection Software basics	Matt Tharp -- Engineered Software	Colonel Lindbergh
2:30 - 2:45 PM	Break		
2:45 - 3:30 PM	VFD's / Motors - Basics	Patrick Hoog --- US Motors	Colonel Lindbergh
3:30 - 4:15 PM	Install. & Troubleshooting	Jason Davidson	Colonel Lindbergh
4:15 - 5:15 PM	Self Priming Products (RP, Venturi, STX) & Applications	David Haas	Colonel Lindbergh

TRACK #2 MC-DEREK PETERSEN

TIME	TOPIC	PRESENTER	LOCATION
8:15 - 9:15 AM	NPSHA/R & HI Standards	Andrew Enterline	Queen Marie Ballroom
9:15 - 10:15 AM	System Curves, Pumps in Parallel / Series	Derek Petersen	Queen Marie Ballroom
10:15 - 10:30 AM	Break		
10:30 - 11:15 AM	VFD's / Motors - Advanced	Patrick Hoog - US Motors	
11:15 AM - 12:00 PM	Pump Flo Advanced	Matt Tharp - Engineered Software	
12:00 - 1:15 PM	Lunch		
1:15 - 2:00 PM	Slurry Pump Basic	Bill Schlittler	Queen Marie Ballroom
2:00 - 2:30 PM	Vibration	Andrew Enterline	Queen Marie Ballroom
2:30 - 2:45 PM	Break		
2:45 - 3:30 PM	Metallurgies and Coatings	Bill Schlittler	Queen Marie Ballroom
3:30 - 4:00 PM	Mechanical Seals	Ron Aceto	Queen Marie Ballroom
4:00 - 5:00 PM	Ragging and Solids Handling	Butch Veatch and Jordan White	Queen Marie Ballroom



PUMP SCHOOL

2018 SCHEDULE

WEDNESDAY, SEPTEMBER 19

TIME	TOPIC	PRESENTER	LOCATION
6:30 - 7:15 AM	Breakfast		Arcadian Gardens
7:30 - 7:45 AM	Load Buses to Cornell		Hotel Entrance
8:15 - 8:30 AM	Arrive / Light Breakfast / Split into 4 Groups		Outdoor Tent
8:30 - 9:10 AM	Factory Tour (All Groups)		
	1) Mazak	Marc Baird	Group A Starts Here
	2) Inspection Area	Kevin Tomlin	
	3) Shafts	Roger Werts	Group C Starts Here
	4) Impellers/weld shop	Doug Ayers	Group D Starts Here
	5) Paint, Shipping and Receiving	Jason Hollingsworth	
	6) Assembly Area	Ryan Bothwell	Group B Starts Here
9:10 - 10:10 AM	Assembly Training (Groups A & B)	Keith McPhun /Derek Petersen	Assembly Station
9:10 - 10:10 AM	Test Lab Training (Groups C & D)	David Haas / Andrew Enterline	Test Lab
10:10 - 10:20 AM	Break and switch		
10:20 - 11:20 AM	Assembly Training (Groups C & D)	Keith McPhun /Derek Petersen	Assembly Area
10:20 - 11:20 AM	Test Lab Training (Groups A & B)	David Haas / Andrew Enterline	Test Lab
11:30 AM - 12:30 PM	Lunch at Cornell Employees & Groups		Outdoor Tent

Those who would like to return to the classroom training will load the bus(es) at 12:30pm

Those who would like to continue factory training will remain on-site until bus(es) arrival at 4:30pm

FACTORY

MC - KEITH MCPHUN

TIME	TOPIC	PRESENTER	LOCATION
1:00 - 4:00 PM	Advanced Pump Assembly	Ryan Bothwell	Assembly Area
4:15 - 4:30 PM	Load Bus(es) For Hotel		Bay Doors

CLASSROOM

MC - BOB JANSEN/DEREK PETERSEN

TIME	TOPIC	PRESENTER	LOCATION
1:30 - 2:15 PM	Features & Benefits	Derek Petersen	Colonel Lindbergh
2:15 - 3:00 PM	Energy Efficiency	Scott Pellerin	Colonel Lindbergh
3:00 - 3:15 PM	Break		

TRACK #1 & 2

MC - BOB JANSEN

TIME	TOPIC	PRESENTER	LOCATION
3:15 - 3:45	IIOT on Pump Operation	Adam Lindeman	Colonel Lindbergh
3:45 - 4:15	Hydro Turbines for Energy recovery	Steve Perry	Colonel Lindbergh
4:15 - 5:00	Pump Calculations: Tying Together Training	Bob Jansen and David Haas	Colonel Lindbergh

TRACK #3

MINING/ SLURRY

TIME	TOPIC	PRESENTER	LOCATION
3:15-5:00	Slurry Advanced. Topics covered: Metallurgies, Applications, Seals, and Slurry Calculations using Slurry Cor	Bill Schlittler	Fireside Room
4:30 - 5:15	Hand Out Certificates		
5:00 - 6:30	Reception - Drinks		Colonel Lindbergh