

Integrated Energy Systems Tools FORCE Overview and Training 2023

*Tuesday, April 4, 2023 through
Thursday, April 6, 2023*

Attire: Business Casual



Host: Aaron Epiney
Admin: Brenda Monson

Revision Number
Date agenda revised: 03/06/2023

Tuesday, April 4, 2023

Willow Creek Building (WCB) 1955 N. Fremont Ave, Idaho Falls, ID 83402

0730 Badging..... Aaron Epiney / Brenda Monson

Engineering Research Office Building (EROB) 2525 N. Fremont Ave,
Idaho Falls, ID 83402, Conference Room 159A, B, C and on TEAMS

Introduction, HYBRID

0800 Welcome Aaron Epiney

0810 IES Program Overview.....Shannon Bragg-Sitton

0910 FORCE Overview..... Aaron Epiney

0930 Break

1000 HYBRID introductionDaniel Mikkelson

1100 Break

11.15 Model Development and HYBRID for Analysts
(including Aspen demo) Daniel Mikkelson / Amey Shigrekar

1210 Break

Meal/Meeting Participants (see In Person Attendance on Cover Sheet)

1230 HYBRID Demo (includes working lunch)
Attendees can follow along with their Modelica licensesDaniel Mikkelson

1530 Adjourn

Wednesday, April 5, 2023

EROB, Conference Room 159A, B, C and on TEAMS

HERON, Use Cases

0800	Welcome	Aaron Epiney
0815	HERON	Paul Talbot
0845	Synthetic Histories	Dylan McDowell
0915	WORKBENCH	Robert Lefebvre
0945	Output Data Visualization.....	Xingyue Yang
1015	Break	
1030	IES Demonstration Cases	
	Synfuels	Daniel Wendt
	Chemical Process	Elizabeth Worsham
	Thermal Energy Storage	Rami Saeed
1200	Break	

Meal/Meeting Participants (see In Person Attendance on Cover Sheet)

Hands-on portion (in-person only)

1215	WORKBENCH (working lunch)	Robert Lefebvre
1300	HERON Sample Cases.....	Paul Talbot / Dylan McDowell
1630	Adjourn	

Thursday, April 6, 2023

EROB, Conference Room 159A, B, C and on TEAMS

Advanced Topics

0800	Welcome	Aaron Epiney
0815	Introduction to Markets.....	Jason Hansen
0900	Cost Estimation for Advanced Nuclear.....	Abdalla Abou Jaoude / Linyu Lin
0930	Agent-Based Capacity Expansion.....	Katie Biegel / Jia Zhou
1000	Break	
1015	ORCA (including ROM creation)	Jeren Browning / Linyu Lin
1045	Supervisory Control with FARM	Haoyu Wang
1115	DRAFT	Samantha Sabatino
1145	Resilience for IES.....	Bikash Poudel / Tyler Phillips
1215	IES Experimental Program.....	TJ Morton
1245	Adjourn	