

Lectures take place in the Michael DeGroote Center for Learning and Discovery (MDCL), room 1110
Coke oven game and case studies take place the McMaster University Student Centre (MUSC), CIBC Hall, 3rd floor

Preliminary Program

Sunday, May 11

5:00-6:00 pm REGISTRATION – MDCL outside room 1110
6:00-7:00 Introduction to Cokemaking – Jodi Kesik, ArcelorMittal Dofasco
For those who have little or knowledge of cokemaking
7:00-9:00 REGISTRATION and WELCOME RECEPTION – The University Club

Monday, May 12

7:30-8:15 REGISTRATION and BREAKFAST – MDCL outside room 1110
AM SESSION **Chair: Neslihan Dogan, Delft University of Technology/McMaster University**
8:15-8:30 Opening Remarks and Course Orientation – Jodi Kesik, ArcelorMittal Dofasco and Neslihan Dogan, Delft University of Technology/McMaster University
8:30-9:30 The History of Cokemaking – Ted Todoschuk, TwithT Consulting
9:30-9:40 Q&A period
9:40-10:40 Coal from Ground to Coke Plant – Maria Dooley, Teck Coal Limited
10:40-10:50 Q&A period
10:50-11:05 BREAK
11:05-12:05 Fundamentals of Coal and Coke Characterization – Graeme Scott, ArcelorMittal Dofasco
12:05-12:15 Q&A period
12:15-1:30 LUNCH
PM SESSION **Chair: Jarred Kapush, Algoma Steel**
1:30-2:30 Design of Coal Blend for Required Coke Properties – Ted Todoschuk, TwithT Consulting
2:30-2:40 Q&A period
2:40-3:00 BREAK
3:00-4:00 Coke Oven Computer Game and Cokemaking Rules of Thumb – Ted Todoschuk, TwithT Consulting
4:00-4:10 Q&A period
7:00-10:00 Coke Oven Computer Game, MUSC, CIBC Hall – Ted Todoschuk, TwithT Consulting and Graeme Scott, ArcelorMittal Dofasco (with bar service and snacks)

Tuesday, May 13

7:30-8:30	BREAKFAST – MDCL
AM SESSION	Chair: Jodi Kesik, ArcelorMittal Dofasco
8:30-9:30	Coke in the Blast Furnace – Husain Tapia, ArcelorMittal Dofasco
9:30-9:40	Q&A period
9:40-10:40	Theory of Carbonization – Ted Todoschuk, TwithT Consulting
10:40-10:50	Q&A period
10:50-11:05	BREAK
11:05-12:05	Principles of Coke Oven Design – TBD
12:05-12:15	Q&A period
12:15-13:30	LUNCH
PM SESSION	Chair: Ted Todoschuk, ArcelorMittal Dofasco
13:30-2:30	Recent Trends in Cokemaking Heat Recovery Processes – John Quanci, SunCoke Energy
2:30-2:40	Q&A period
2:40-3:00	BREAK
3:00-4:00	Non-Recovery Cokemaking Case Studies – John Quanci, SunCoke Energy
4:00-4:10	Q&A period
7:00-10:00	Coke Oven Computer Game, MUSC, CIBC Hall – Ted Todoschuk, TwithT Consulting and Graeme Scott, ArcelorMittal Dofasco (with bar service and snacks)

Wednesday, May 14

7:30-8:30	BREAKFAST – MUSC, CIBC Hall
AM SESSION	CASE STUDIES - MUSC, CIBC Hall. Chair: Jodi Kesik, ArcelorMittal Dofasco
8:30-9:30	Control of Battery Heating – Michael Boccalon, Stelco
9:30-9:40	Q&A period
9:40-10:40	Recovery Cokemaking Case Study – Jodi Kesik, ArcelorMittal Dofasco and Lyle Moore, ArcelorMittal Dofasco
10:40-11:00	BREAK
11:00-12:30	Recovery Cokemaking Case Study (continued)
12:30-1:30	LUNCH - MDCL
PM SESSION	Chair: Carter Dumont, Stelco
1:30-2:30	Introduction to the By-product Plant – Carter Dumont, Stelco
2:30-2:40	Q&A period
2:40-3:00	BREAK
3:00-4:00	Environmental Issues Facing the Coking Industry into the 21st Century – Julie Wedzinga, Stelco
4:00-4:10	Q&A period
5:30	BANQUET DINNER Cokemaking Game Awards Presentation – bus departure from MUSC to Burlington Golf & Country Club (No blue jeans. Alcoholic drink tickets provided and cash bar available.)
9:00	Bus departure to McMaster

Thursday, May 15

7:30-8:30	BREAKFAST – MDCL
AM SESSION	Chair: Jason Halko, Elk Valley Resources
8:30-9:30	Removal of Sulphur and Ammonia from Coke Oven Gas – Matt Cowan, Stelco
9:30-9:40	Q&A period
9:40-10:40	Effects of Gas Quality on Operations – Greg Elder, Consultant
10:40-10:50	Q&A period
10:50-11:05	BREAK
11:05-12:05	Tar and Light Oil Recovery – Brianna Zekl, Stelco
12:05-12:15	Q&A period
12:15-13:30	LUNCH – CIBC Hall
PM SESSION	CASE STUDY - MUSC, CIBC Hall
1:30-3:00	By-product Operation Case Study – Carter Dumont, Stelco and Greg Elder, Consultant
3:00-3:15	BREAK
3:15-4:45	By-product Operation Case Study (continued)

Friday, May 16

7:30-8:30	BREAKFAST - MDCL
AM SESSION	Chair: Ted Todoschuk, TwithT Consulting
8:30-9:30	Prolonging Asset Life – Yannick Hergalant, ArcelorMittal Maizières Research CPM Forbach
9:30-9:40	Q&A period
9:40-10:20	Future Decarbonization Strategy: 2050 – Graeme Scott, ArcelorMittal Dofasco
10:20-10:30	Q&A period
10:30-10:40	BREAK
10:40-11:20	Market Conditions Coal/Coke: Current and Future – Jason Halko, Elk Valley Resources
11:20-12:15	Panel Discussion – Graeme Scott, Jason Halko, Carter Dumont, Yannick Hergalant
12:15-12:30	Closing Remarks – Jodi Kesik and Neslihan Dogan
12:30	LUNCH
PM SESSION	
1:00-4:30	OPTIONAL PLANT TOURS
	ArcelorMittal Dofasco – Driving tour of coal handling and cokemaking facilities, followed by a ground-level walking tour of No. 3 Coke Plant/By-Products Plant. Long sleeved shirts, long pants and closed-toed shoes are required. PPE will be provided on-site.
	Stelco Hamilton Works – A walking tour of the Battery, By-Product Plant and the new Wastewater Treatment Plant. Long sleeved shirts, long pants and closed-toed shoes are required. PPE will be provided on-site.