9TH COKEMAKING COURSE
May 14 to 19, 2017

Organizing Committee

Peter Schiestel, (Chair)  Stelco
Cory Evans  Essar Steel Algoma Inc.
Jodi Kesik  ArcelorMittal Dofasco
Ted Todoshuck  ArcelorMittal Dofasco
Ken Coley  (Secretary)  McMaster University

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Sunday, May 14, 2017
04:00-0 7:30  Accommodation and Course Registration, Les Prince Hall
06:00-0 7:00  High Level Overview of Cokemaking (For those with little or no familiarity with cokemaking)
              Lyle Moore, ArcelorMittal Dofasco MDCL 1309
07:00-0 9:00  Reception, The University Club of McMaster

Monday, May 15, 2017
Morning Chair: Cory Evans
08:00-08:45  Registration — Michael G. DeGroote Centre for Learning (MDCL), Lobby
08:30-08:45  Opening Remarks and Course Orientation, Peter Schiestel, Stelco
08:45-09:45  The History of Cokemaking, Ken Kobus, Retired from U. S. Steel
09:45-10:00  Break
10:00-11:00  Coke in the Blast Furnace, Joe Poveromo, Raw Materials & Ironmaking
11:00-11:15  Break
11:15-12:15  Fundamentals of Coal and Coke Charaterization, Louis Giroux, CanmetEN
             Eergy-Ottawa.
12:15-12:30  Question and Answer Period
12:30-01:45  Lunch — MDCL

Afternoon Chair: Peter Schiestel
01:45-02:45  Design of Coal Blends for Required Coke Properties, Hardarshan Vala, Coal Science, Inc.
02:45-03:00  Break

Tuesday, May 16, 2017
Morning Chair: Ted Todoshuck
08:30-09:30  Coal from Ground to Coke, Jason Halko, Teck Coal Limited
09:30-09:45  Break
09:45-10:45  Theory of Carbonization, Ted Todoshuck, ArcelorMittal Dofasco
10:45-11:00  Break
11:00-12:00  Principles of Coke Oven Design, R. V. Ramani, Retired from Uhde Corporation of America
12:00-12:15  Morning Question and Answer Period
12:15-1:30  Lunch — MDCL

Afternoon Chair: Jodi Kesik
01:30-02:30  Non-Recovery Cokemaking Fundamentals and Principles, John Quanci, SunCoke Energy
02:30-02:45  Break
02:45-03:45  Non-Recovery Cokemaking Case Studies, John Quanci, SunCoke Energy
03:45-04:00  Question and Answer Period
05:30-07:00  BBQ, TwelEighty Restaurant Room B118 MUSC
07:00-10:00  Coke Oven Game, Ted Todoshuck, ArcelorMittal Dofasco, MUSC CIBC Hall

Break
Wednesday May 17, 2017

**Morning Chair: Cory Evans (MUSC, CIBC Hall)**

08:30-09:30 Control of Battery Heating, Principles of Coke Oven Design, R. V. Ramani, Retired from Uhde, Corporation of America

09:30-12:00 Recovery Cokemaking Case Study, R.V. Ramani, Jodi Kesik, Ken Blake, Lyle Moore ArcelorMittal Dofasco

12:00-01:30 Lunch, MDCL

**Afternoon Chair: Peter Schiestel (MDCL)**

01:30-02:30 Introduction to the By-Products Plant, Greg Elder, Consultant

02:30-02:45 Break

02:45-03:35 Environmental Issues Facing the Coking Industry into the 21st Century, Andy Sebestyen, Stelco

03:45-04:00 Question and Answer Period

05:30 Bus leaving for Banquet from Les Prince Hall to “Burlington Golf and Country Club”

**Thursday, May 18, 2017**

**Morning Chair: Ted Todoschuk**

08:30-09:30 Removal of Sulphur and Ammonia, Carter Dumont, Stelco

09:30-09:45 Break

09:45-10:30 Effects of Gas Quality, Greg Elder, Consultant

10:30-10:45 Break

10:45-11:45 Tar and Light Oil Recovery, Carter Dumont, Stelco

11:45-12:00 Question and Answer Period

12:00-12:15 Coke Oven Game Results & Presentations

12:15-12:30 Closing Remarks, Peter Schiestel

12:30 Take Lunch — MDCL

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**Friday, May 19, 2017**

**Morning Chair: Jodi Kesik**

08:30-09:30 Coke Oven Energy Balance and Recovery, John Busser, Hatch

09:30-09:45 Break

09:45-10:45 Machinery Design and Automation, Sven Badura, Thysenkrupp Uhde Engineering Services

10:45-11:45 Prolonging Asset Life, Jean Paul Galliet, Centre de Pyrolyse de Marienau

11:45-12:00 Question and Answer Period

12:00-12:15 Coke Oven Game Results & Presentations

12:15-12:30 Closing Remarks, Peter Schiestel

12:30 Take Lunch — MDCL

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**Optional Plant Tour—Friday** (Tours will be limited to 40 registrants on a first come, first served basis at a cost of $40 CDN. Buses leave the University at 1:00 p.m. and return at approximately 4:30 p.m. Tours start at 1:30 p.m.)

**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. No short sleeves shirts, short pants or open shoes are allowed. Hard hats and safety glasses will be provided.

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**McMaster Campus**

- Les Prince Hall
- Commons Building
- T-29
- Residence Parking Zone E
- The University Club of McMaster
- McMaster University Student Centre (MUSC)
- twelveEighty Restaurant
- Residence parking use Sterling St. entrance
- Michael G. DeGroote Centre for Learning and Discovery (MDCL)
- Daily visitor parking Zone I
- Daily visitor parking use Main St. entrance