

**MODERN ELECTRIC FURNACE STEELMAKING –
A PRACTICAL TRAINING SEMINAR**
Marriott Columbia, Columbia, South Carolina
February 22-26, 2010

Tuesday, February 23rd

Chair's: Scott Swanson, C/G Electrodes LLC and Jeremy Jones, WorleyParsons GCT

7:00 a.m.	Registration and Continental Breakfast	
8:00 a.m.	Safety Isn't Just A Word...It's A Life Saver! A Year in Review...	Chuck O'Donnell and Reneth Jones, CMC Steel South Carolina
9:30 a.m.	Break	
9:40 a.m.	Introduction to the Chemical Metallurgy of Steelmaking in A Modern EAF Shop	Larry Heaslip, Interflow Techserv Inc.
Noon	Lunch	
1:00 p.m.	Introduction to the Chemical Metallurgy of Steelmaking in A Modern EAF Shop (continued)	Larry Heaslip, Interflow Techserv Inc.
2:15 p.m.	Break	
2:30 p.m.	Introduction to the Chemical Metallurgy of Steelmaking in A Modern EAF Shop (continued)	Larry Heaslip, Interflow Techserv Inc.
3:45 p.m.	EAF Alternative Materials and Future Melt Technology	Veena Sahajwalla, University of New South Wales

Wednesday, February 24th

Chair's: Jeremy Jones, WorleyParsons GCT and Sam Matson, CMC Steel Texas

7:00 a.m.	Continental Breakfast	
8:00 a.m.	Electrical Engineering 101	Bryan Chiappelli, C/G Electrodes LLC
9:20 a.m.	Break	
9:30 a.m.	Arc Furnace Regulation	Fernando Martinez, AMI GE
10:30 a.m.	Break	
10:40 a.m.	Recycled Scrap Technology	Ray Turner, River Metals Recycling
Noon	Lunch	
12:15 p.m.	Depart for Plant Tour of CMC – South Carolina	

Thursday, February 25th

Chair's: Brett McGee, C/G Electrodes LLC

7:00 a.m. Continental Breakfast

8:00 a.m. EAF Designs and Operations Part 1 Jeremy Jones, WorleyParsons GCT

9:00 a.m. Break

9:10 a.m. EAF Technologies Part 2 – The Path to EAF Optimization Jeremy Jones, WorleyParsons GCT

10:20 a.m. Break

10:30 a.m. EAF Maintenance Secondary and Structural Components Dave Bauer, Erie Copper Works

Noon Lunch

1:00 p.m. Gas/Carbon Injection Systems Mike Grant, Air Liquide S.A.

2:45 p.m. Break

3:00 p.m. Overview of the Refractory Technology from the Mini-Mill Application Perspective Tomas Richter, North American Refractories

5:00 p.m. Reception

Friday, February 26th

Chair's: Scott Swanson, C/G Electrodes LLC and Sam Matson, CMC Steel Texas

7:00 a.m. Continental Breakfast

8:00 a.m. The Manufacture and Use of Graphite Electrodes Jerry Castleman, Showa Denko Carbon, Inc.

9:00 a.m. Break

9:15 a.m. Environmental Considerations in EAF Steel Making Philip Peebles, WorleyParsons GCT

10:30 a.m. Benchmarking – The Modern Melt Shop Wayne Adams, GrafTek

Noon Conference Conclusion