

TOPICS WILL INCLUDE:

“Modern Plate Production Technology” by Steven S. Hansen, Vice President and Chief Technical Officer, SSAB North America.

“Production of Special Quality Steels - Long Products” by Richard Nebiolo, General Manager Metallurgical Operations (Retired), Republic Engineered Products Inc.

“Heat Treatment, Microstructure, and Performance of Carbon and Alloy Steels” by George Krauss, University Emeritus Professor, Colorado School of Mines and Metallurgical Consultant.

REGISTRATION:

RSVP to Eric Morgan by August 10th.
E-mail: Morgan.Eric.K@cat.com
Tel: 309-578-5363

Registration fee can be paid the day of event. Checks payable to “ASM International – Peoria Chapter”

Please direct all questions to Scott Magner.
E-mail: Magner.Scott.H@cat.com
Tel: 309-675-7215

AGENDA:

| Time | Day 1 (August 12th, 2009) | | Day 2 (August 13th, 2009) | | Time |
|----------|--|-----------------|--|-----------------|----------|
| | Topic | Location | Topic | Location | |
| 7:30 AM | Registration | TC-A | | | 7:30 AM |
| 7:30 AM | | | Speaker: George Krauss Topic: Heat Treatment | TC-A Auditorium | 7:30 AM |
| 8:00 AM | Speaker: Dick Nebiolo Topic: Production of Special Quality Steels - Long Products | TC-A Auditorium | Microstructure, and Performance of Carbon and Alloy Steels | | 8:00 AM |
| 8:30 AM | | | | | 8:30 AM |
| 9:00 AM | Break | | Break | | 9:00 AM |
| 9:30 AM | | | | | 9:30 AM |
| 10:00 AM | Speaker: Dick Nebiolo Topic: Production of Special Quality Steels - Long Products | TC-A Auditorium | Speaker: George Krauss Topic: Heat Treatment | TC-A Auditorium | 10:00 AM |
| 10:30 AM | | | Microstructure, and Performance of Carbon and Alloy Steels | | 10:30 AM |
| 11:00 AM | | | | | 11:00 AM |
| 11:30 AM | | | | | 11:30 AM |
| 12:00 PM | Lunch Break | | | | 12:00 PM |
| 12:30 PM | | | | | 12:30 PM |
| 1:00 PM | Speaker: Steve Hansen Topic: Modern Plate Production Technology | TC-A Auditorium | | | 1:00 PM |
| 1:30 PM | | | | | 1:30 PM |
| 2:00 PM | Break | | | | 2:00 PM |
| 2:30 PM | | | | | 2:30 PM |
| 3:00 PM | Speaker: Steve Hansen Topic: Modern Plate Production Technology | TC-A Auditorium | | | 3:00 PM |
| 3:30 PM | | | | | 3:30 PM |
| 4:00 PM | | | | | 4:00 PM |
| 4:30 PM | | | | | 4:30 PM |
| 5:00 PM | | | | | 5:00 PM |

"Steel Days"

EDUCATIONAL SEMINAR SERIES

SPONSORED BY THE PEORIA CHAPTER OF ASM

HOSTED BY CATERPILLAR INC.

AUGUST 12TH AND 13TH



ASM'S STEEL DAYS SEMINAR SERIES

WHAT:

Learn about the steel making process for long and flat product and the physical metallurgy and heat treatment of steel from some of the best industry and academic experts! This seminar is being made available to all who are interested at the ASM subsidized price of **only \$15**.

WHEN:

August 12th 8:00 am to 4:30 pm
(registration starts at 7:00 am)
August 13th 7:30 am to 12:00 pm

WHERE:

Caterpillar Inc. Technical Center
Bldg A Auditorium
Mossville, IL

WHO SHOULD ATTEND:

Anyone interested in learning more about steel, steel making and processing, and applications of steel. Those who would benefit would include materials and metallurgical engineers, design engineers, supplier development engineers, and research engineers.



ABOUT THE PRESENTERS

George Krauss

Dr. George Krauss is currently University Emeritus Professor at the Colorado School of Mines and a metallurgical consultant specializing in steel microstructural systems. He received the B. S. in Metallurgical Engineering from Lehigh University in 1955 and the M. S. and Sc. D. degrees in Metallurgy from the Massachusetts Institute of Technology in 1958 and 1961, respectively, after working at the Superior Tube Company as a Development Engineer in 1956. In 1962-63, he was an NSF Postdoctoral Fellow at the Max Planck Institut für Eisenforschung in Düsseldorf, Germany. He served at Lehigh University as Assistant Professor, Associate Professor, and Professor of Metallurgy and Materials Science from 1963 to 1975, and in 1975, joined the faculty of the Colorado School of Mines as the AMAX Foundation Professor in Physical Metallurgy. He was the John Henry Moore Professor of Metallurgical and Materials Engineering at the time of his retirement from the Colorado School of Mines in 1997. He has authored the book ***Steels: Processing, Structure, and Performance***, which will be available at this seminar at a reduced price.

Steven Hansen

Steve Hansen is presently Vice President and CTO for SSAB North America, working out of the division's headquarters in Lisle, Illinois. In this role, he has overall responsibility for all technical support activities at IPSCO's steel plants and CTL lines, including quality assurance/quality control, applications engineering, continuous improvement, environmental and research and development.

Steve joined IPSCO in June 2003 as Director – Technical Services, US Steel Operations, and in October 2004, he was named Corporate Director – Technical Services, responsible for all steel plant and tubular technical activities. When IPSCO was acquired by SSAB in July 2007, Steve was named to his current position.

Steve is a graduate of the Massachusetts Institute of Technology with S.B., S.M., and Sc.D. degrees in Metallurgy and Materials Science. He is a member of AIST and a Fellow of ASMInternational.



Richard Nebiolo

Dick Nebiolo retired from Republic Engineered Products as the General Manager of Metallurgical Operations. Prior to this he worked for Timken and Latrobe Steel Companies as their manager of Steel Mill Metallurgy. Dick also served as the Director of Technology for Green River Steel Company and the Director of Product Development for Pittsburg Tube Company.

Dick received a B.S. in Metallurgical Engineering and Materials Science from Drexel University and a M.S. in Metallurgy and Materials Science from Carnegie Mellon University.

Dick has authored, published, and presented papers on the Cast-Roll Process, Bottom Poured Ingot Production, Final Bar Inspection, and Alloy Development.