

7th China International Stainless Steel Congress 2011

**Held at the 7th Shanghai International Stainless
Steel Expo (STEXPO 2011)**

**Shanghai, China
6 – 8 September 2011**

ISBN: 978-1-62748-277-6

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2011) by the Metallurgical Center for International Exchange and Cooperation
All rights reserved.

Printed by Curran Associates, Inc. (2013)

For permission requests, please contact the Metallurgical Center for International Exchange and
Cooperation
at the address below.

Metallurgical Center for International Exchange and Cooperation
46 Dongsì Xidajie
Beijing 100711, China

Phone: 010-65256461 / 65220753
Fax: 010-65233861

web@mcchina.org.cn

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

The Future Development Strategies of Baosteel Stainless Steel Unit —Technical Innovation and Brand Building	1
<i>P. Lu</i>	
TISCO’s Transformation for Development Strategy	14
<i>N/A</i>	
The Developing Jiugang Stainless Steel Co. - Overview of Jiugang Stainless Steel Co.	23
<i>J. Pan</i>	
The Current Development of the Ni Industry in China and its Applications in the Stainless Steel Industry	38
<i>J. Wu</i>	
Prospects of Indian Stainless Steel Industry	57
<i>N. Mathur</i>	
Recent Trends of Ferritic Stainless Steel for Automobile Uses	89
<i>N/A</i>	
South East Asian Stainless Steel Industry & Market Outlook	99
<i>M. San</i>	
The Present Situation and Outlook of Stainless Steel Application in the Petrochemical Industry	111
<i>X. Jianxin</i>	
The Application of Stainless Steel in Nuclear Power Industry and the Progress of Domestic Production of Key Materials	124
<i>Z. Song</i>	
Demand for Stainless Steel in the Chemical Industry in China	145
<i>Z. Tang</i>	
China’s Demand for SS and the Price Outlook	158
<i>J. Zhang</i>	
Experience and Practice of Centralized Treatment of Waste Water from Stainless Steel Production	171
<i>Z. Ji, S. Zhejiang</i>	
Recycling of Stainless Steel Dust: A View on Europe and China	175
<i>X. Fu, E. Krusemeyer</i>	
New Design Concepts in 20-High Cluster Mills for Wide, Thin Gauge / Foil Class Applications	185
<i>M. Zipf</i>	
A Journey to Optimal Rolling Mill Design From Provided Product Mix	207
<i>R. Guo, F. Byus, G. Gerard</i>	
New Products and Technologies for High Productivity Integrated Rolling Line	222
<i>S. Mauuary, J. Faure, E. Chaillot, O. Lietar, H. Dagn, D. Hawkins</i>	
New Trends to Produce Stainless Steel with an Advanced Level 2 System Using Low Cost Charging and Addition Materials	231
<i>C. Bruckner, K. Pastucha, J. Spiess, J. Kluge</i>	
Continuous Casting Of Stainless Steel Success Under Difficult Conditions	245
<i>D. Burzic, M. Hadler, C. Brugger</i>	
Leading Technology of Integrated Plants for Stainless Steelmaking and Casting	255
<i>S. Du</i>	
The “State of the Art” Slab Caster for Stainless Steel in ThyssenKrupp Acciai Speciali Terni (TKAST), Italy	262
<i>R. Deli, M. Proietti-Cerquoni, W. Rossberg, G. Paulon, C. Piemonte</i>	
Latest Generation Equipment, Processes and Technologies in Wire Rod Production	271
<i>A. Celano, N. Redolfi, A. Taurino, O. Englund</i>	
Some Aspects of the Global Stainless Steel Markets - and China's Role in it	285
<i>P. Kaumanns</i>	
The 10 Years' Development and Future Outlook of the SS Industry	302
<i>L. Cheng</i>	
Stainless Steel Scrap – An Attractive Alternative to Nickel Pig Iron	314
<i>G. Pariser</i>	
Additional Papers	326
Author Index	