

Institute for
Briquetting and
Agglomeration



IBA Proceedings - Volume 33, 2013 – (Published 2014)

Keynote Address

<u>Hopper Design Principles</u>	1
Greg Mehos Cabot Corporation	

Presentations

<u>Optimization of Compaction/Granulation Plants for Potassium Salts</u>	11
Harald Günter - Köppern Aufbereitungstechnik GmbH & Co. KG,	
<u>Reduction of Production Costs for Kingsford Charcoal Briquettes</u>	12
Jeremy Thuerk, Nicole Doan, and Don Swatling - Clorox Company	
<u>Briquetting and μ-Pelletising</u>	22
Daniel V. Devid - Harsco Metals Metals and Minerals	
<u>Hot Briquetted Iron: Raw Material for Steelmaking and Ironmaking</u>	30
Thomas P. Battle and Robert L. Hunter - Midrex Technologies	
<u>Recovery Process of Linz-Donawitz Steel Converter Sludge</u>	42
Guilherme Santana Lopes Gomes and Victor Loureiro dos Santos Hephaestus Metals LTDA, Brasil	
<u>Investigation of the High Temperature Reduction of the Iron Ore and Coal Extruded Briquettes (BREX)</u>	51
A.M. Bizhanov, R.B. Steele, I. F. Kurunov, A.V. Pavlov, and O.V. Chadaeva, P.S.Chizhov J.C.Steele&Sons, Inc.	
<u>Drying and Agglomeration of High-Moisture Coals and Coal Fines</u>	63
Darrell Taulbee, Robert Hodgen, and Datta Patil University of Kentucky Center for Applied Energy Research	

<u>Drying of Agglomerated Materials</u>	82
Mike Whaley & Frank Rafter - Buhler Aeroglide Corporation	
<u>High Shear Agglomeration of Bentonite Clay: Holistic Approach to Scale Up</u>	92
Carrie Ripberger and David Gall - Chlorox Corporation	
<u>Production of Water-Resistant Coal-Biomass Briquettes Using Wood-Derived Chemicals</u>	100
Erich D. Dohm, Gerald H. Luttrell, Nino S. Ripepi, and Serhat Keles Virginia Polytechnic Institute and State University	
<u>Multi-Layer Tableting in the Detergent Industry</u>	114
Jacques Tomasi - Eurotab Technologies	
<u>Post Agglomeration & Pelletizing Processing Utilizing Fluid Bed Technology White Paper</u>	123
Michael Murphy - Carrier Vibrating Equipment, Inc.	
<u>Steel Briquettes or Pellets Production by Iron Ore Direct Reduction Through Electric Magnetic Induction and Hydrogenation</u>	129
Adilson Rodrigues da Costa, Guilherme Santana Lopes Gomes, and Victor Loureiro dos Santos Hephaestus Metals LTDA, Brasil	
<u>Introduction and Granulation Activities at SCF for IBA</u>	134
Vic Granquist - Surface Chemists of Florida,	
<u>New possibilities to influence pellet properties by Photo-Optical Particle Analyses</u>	143
Jan Lampke - HEM	