



The Institute For Briquetting and Agglomeration

November 2008

IBA WEBSITE: www.agglomeration.org

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FROM BILL'S DESK:

CHEMICAL PROCESSING TURNS 70

Thus reads the headline of the September 2008 issue of the publications "Chemical Processing", which began its first issue in 1938 as "Equipment Preview for Process Industries Production Men". The name "Chemical Processing" was adopted in 1950. Emphasis then and still today is on the practical equipment and operational processing side of the chemical process industry. In a field where longevity is not always taken for granted, the publication has endured for 70 years, reflecting the changing field, new developments, global and environmental issues and related environmental – energy – and cost concerns.

For more on CP, contact mrosenzweig@putman.net

BEST OF AUSTRALIAN COAL MINING

This issue, a supplement to "Coal Age", just released, describes the state of the important Australian coal mining, processing consumption and export business and the new developments in this field. In the foreword by Australian Minister for Resources and Energy, the Hon. Martin Ferguson AM MP, this quote "The Coal industry has an imperative to significantly reduce its greenhouse footprint. Australia is leading by example in responding to this challenge".

Publishers of the special issue: Palamedia Limited, Sydney NSW, email:
palamedia@palamedia.com.au

CARBON BLACK WORLD 2008

By the time this newsletter is issued, the Nov. 3-5 conference in Vancouver BC, Canada will have been held. Conference proceedings are available from IntertechPira (www.intertechpira.com) at a cost of \$995.

Some of the presentations at the conference include: Overview of carbon black supply and demand, Focus on North America; Status and perspective of China carbon black industry; Dust monitoring: a regulatory must or cost saver? Commercial recovery of carbon black based materials from scrap tires for use in rubber compound; Reducing energy use=lower cost=less green house gases.

Although at this conference, there are no presentations specifically dealing with agglomeration, it must be remembered that this industry uses agglomeration as an important step from superfine particles to granular products of increased bulk density and reduced dust problems, as well as final use efficiency.

BULK SOLIDS HANDLING

The most recent issue by Germany based publishers Vogel Transtech Publications (web: www.bulk-solids-handling.com) also has a supplement of the BulkEurope Conference, just held this September in Prague.

The Session on Bulk Solid Material Properties 2, three papers dealt with studies of caking of free-flowing powders, packing of wet granular media, evolution of an agglomerates texture after a kneading stage and bridging phenomena and kinetic models of bridges, as compared to test results on a ring shear tester.

The particular papers came from Australia (CBSPT), Germany, Nestle Product Technology and Cork University, Ireland.

POWDER AND BULK ENGINEERING

Vol. 22, No. 10 October 2008 issue carried another Agglomeration Advisor column by yours truly IBA Newsletter author, this column titled "Agglomeration Resources". Using the so-called desert-island list of important books on agglomeration, based on my bookshelf and reading habits over the years, I listed 16 references from 1945 through 2007, including, of course three books by Wolfgang Pietsch, the proceedings of the first ever "Agglomeration" (International) Symposium, 1961/1962 and the last in the long series of IBA Proceedings. There is obviously no room for all 30 issues, the island is too small.

The Agglomeration Advisor series has covered two columns per year since 2001. Perhaps some time in the future these can be issued in booklet form by P&BE. In the meantime P&BE can be contacted for reprints at email: powderandbulkengineering@cscpub.com.

RECOMMENDED READING

- Pneumatic Conveying of Limestone, P. Rayman, Czech Republic, Bulk Solids Handling, Vol. 28, No. 4, pages 266-269
- Assessing the Flowability of Bulk Solids, Dr. Eddie McGee, Bulk Solids Handling, Vol. 27, No. 3, pages 180-183
- Powder River Basin Rail Loadings Shatter Record, Lee Buchsbaum, Coal Age, September 2008, pages 50-57
- Energy Policy: Biofuels is a Convenient if Misunderstood, Whipping Post, Michael Montross, Energia (CAER, U of KY), Vol. 19, No. 4, 2008.

- First Commercial Scale Carbon Capture System for Coal Fired Electric Plants, Pollution Equipment News, August 2008, page 13
- Beware the Purchasing Manager, Victor Shulman, Tablets & Capsules, October 2008, pages 34-35. In spite of the, perhaps, tongue-in-cheek title, this is a serious look at particle size and shape, using micrographs of calcium carbonate and microcrystalline cellulose, for pharmaceutical formulations and their influence on granulation and tableting performance and product quality.

BOOKS

From Tablets & Capsules Bookstore:

- Advanced Pharmaceutical Solids, Jens T. Carstensen
- Tableting Specification Manual, Sixth Edition, APhA
- Nutraceuticals, Second Edition, Ed. Brian Lockwood
- Nutraceuticals, Lisa Rapport and Brian Lockwood

The above four titles can be ordered online at www.tabletscapsules.com

- 2008 World Mining Directory
- 2008 Coal Prep Directory

These books are available from Mining Media, Denver, CO. Email: jmestas@mining-media.com

NEWS AND DATES

- ❖ Continuous Particle Processing, Technology Training Center, Binzen, Germany, Dec. 2-3, Web: www.ttc-binzen.de
- ❖ InformEx 2009, January 27-30, 2009, San Francisco, CA, www.informexusa.com (chemistry for consumer products)
- ❖ 6th International Conference for Conveying and Handling of Particulate Solids, August 3-7, 2009, Brisbane, Australia, www.chops2009.org.au

“AGGLOMERATE AND COMMUNICATE!”

IBA UPDATE

Tom Feldkamp, Executive Director

The 2009 31st Biennial Conference, September 27-30, 2009

It is never too early to make plans to attend our upcoming conference in San Antonio, Texas. The Hotel Contessa located on the River Walk is a Benchmark hotel. www.thehotelcontessa.com This contemporary 12-story property captures both the historic and cultural essence of San Antonio. From the atrium lobby overlooking the River Walk and the warmth created by the Mediterranean design, to the overall comfortable elegance, Hotel Contessa establishes a friendly welcoming environment.

The hotel has 265 luxury suite accommodations which include a bedroom with a separate parlor. With Mediterranean décor each of the opulent suites contain oversized bathrooms, flat screen televisions and wireless Internet access. You will have everything necessary to enjoy a world-class retreat from the ordinary.

We have obtained a rate of \$199 plus taxes per night. Reservations can now be made by contacting the hotel at 210-229-9222 or you can visit the IBA website for a direct online link to the hotel for reservations. There will be a few openings for early arrivals and late departures based on availability.

Fees for the technical conference will be \$580 for IBA members and \$680 for non-members. Spouse/Guest fees are \$150. Meeting Room Amenities include State-of-the-Art Technology, Ergonomic Chairs, and Glare-Free Lighting. We are looking to increase the amount of papers to be given this year. A Call for Papers has been sent to publications and associations and abstracts are now being accepted.

The Monday night off-premise event, which will be held at the Rio Casa restaurant overlooking the river, is within walking distance of the hotel. Details on the spouse/guest tour will be in upcoming issues of the Newsletter.

San Antonio River Walk is 8 miles from the San Antonio International Airport. 12 airlines serve the airport providing non-stop flights to and from domestic and international destinations. Taxi fare from the airport to the River Walk is presently \$22. There is also a SA Trans AirportExpress shuttle for \$14.

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Call for IBA Papers

Papers are invited concerning, but not limited to, specific aspects of particle size enlargement in the fields of Agrichemicals, Biomass, Ceramics, Charcoal, Coal, Chemical, Environmental Impact, Foods, Iron Ore, Minerals, Pharmaceuticals and Waste Recycling, as well as the scientific fields of Binders (natural and synthetic), Particle Flow, Particle-Size Effects and Quality Control Methods. Articles are invited that describe practical and theoretical studies of the agglomeration process. This includes unit operations within the system. **Abstracts are now being accepted for the September conference**

and may be submitted to: tnfeldkamp@centurytel.net or IBA, Tom Feldkamp, PO Box 297, Manitowish Waters, 54545. For more information on IBA, consult our website: www.agglomeration.org. This is not too early to call for Papers. It would be helpful at this time if our members or someone you may know would notify us if there is any interest in presenting a Paper. Our conferences offer excellent, interesting papers and you may know of someone who could add to the diversification that is needed.

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IBA Workshop/Training Session

The Sunday afternoon Agglomeration Workshop was a huge success at the 2007 conference. The half-day seminar in 2009 will be “**Particle Size Enlargement through Agglomeration: Methods and Practices**”. The Workshop will include topics such as briquetting, compacting, pelletizing, granulation, extrusion, spray-drying/granulation and tableting. Additional topics will include binders and methods for measuring the quality of agglomerates. The workshop is designed to give the participant a good preparation for the technical conference.

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Vendor Night

We have had successful Vendor Nights the last few conferences. Last year there were nine different companies/universities that presented their product line in a tabletop fashion. Vendor Night will take place on Sunday, September 27 following the workshop. In addition to the obvious benefit of displaying equipment and/or literature, it gives everybody an opportunity to mingle socially prior to the technical conference the next day. We were told by attendees that this was one of the side benefits of the Vendors Night, for they felt more comfortable and open in discussing applications with their fellow colleagues.

There will be limited space available and therefore an early decision on your part would be advisable. The cost for each vendor will be \$600 and they will be fully acknowledged in our program. If further information is needed, contact me.

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Website – Something New!

Just go to www.agglomeration.org and you will find our brand new website. It has many new features in it, from copies of old newsletters to profiles of Board Members and past conference presenters. It is easy to search for information.

There are 14 company links on the IBA website. The fee is just \$100 per year and our year begins May 1, 2008 through April 30, 2009. We cannot charge any less since the May date is past, but if you are interested in adding your company to the IBA website, let me know.

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IBA Proceedings, Volume 30, 2007

The CD of the Proceedings from the 2007 conference was sent to all members. Remember we have most back issues available for purchase. Please contact me if you are interested.

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Current Newsletter

If you have changed your email address or have not supplied us with one, please do so. We will continue to mail the newsletter to the members who have not advised us of their email address.

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Membership Dues Invoice for 2009-2010

2007-2008 biennial membership dues will expire December 31, 2008 of this year. We are including the invoice for membership dues with this newsletter along with a New Member Form for any new members. The Board of Directors have decided to drop the company dues fee, since it covered only two members and more than two members from a company had to pay individual dues. We will be doing a second emailing of dues invoices in December.

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Other IBA News

Congratulations to Dr. Wolfgang Pietsch!

The IBA Board of Directors has unanimously agreed to present Dr. Wolfgang Pietsch with a Lifetime Membership Award. Wolfgang is currently an IBA Board of Director and has been a part of the IBA for a long time. He was President from 1993-1995. He has authored many papers for the IBA and has also authored many books. Please see the attached profile for more information on Wolfgang.

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