

### **List of conference papers and publications**

Brinkmann, K.: Theoretical und experimental investigations for determination of sink velocity of solid particles in sole-water mixtures. Studienarbeit at Institute of conveying and mining, Technical University Hanover 1976. (in German)

Brinkmann, K.: Zerspannung von Salzgesteinen im sodium mining. Thesis at Institute of conveying and mining, Technical University Hanover 1976. (in German)

Brinkmann, K.: Fuelling systems at coal fired ships. Kolloquium of the German research group SFB 98 Hamburg 1983. (in German)

Gietzelt, M.; Brinkmann, K.: Propulsion plants with alternative fuels on ocean ships. Final report, project H4 of German research group SFB 98. (in German)

Gietzelt, M.; Brinkmann, K. et al.: Development trends in the marine industry. Hansa: Schiffahrt-Schiffbau-Hafen. (in German)

119 (1982) 1/2, S. 74 ff.

120 (1983) 1/2, S. 75 ff.

121 (1984) 1/2, S. 68 ff.

122 (1985) 1/2, S.108 ff.

Brinkmann, K.: Scripts for heat balancing - Exercises 1 + 2. Institute for Applied Heat Science. Technical University Hanover 1984. (in German)

Brinkmann, K.; Eisele, K.: New process computer in operation on ships. Hansa: Schiffahrt-Schiffbau-Hafen 119 (1982) 14, S. 938 ff. (in German)

Gietzelt, M.; Brinkmann, K. et al.: Heat orientated investigation of the firing and partload behavior and design criteria for marine boilers with grate - and coal slurry-combustion systems. Final report ZAS, MTK 0307 of German Federal Ministry of research and development BMFT 1986. (in German)

Brinkmann, K.: The design of grate fired boilers for industrial processes. PhD thesis Technical University Hanover 1986. (in German)

Gietzelt, M.; Brinkmann, K.: Coal – an alternative energy source for ships. Hansa: Schiffahrt-Schiffbau-Hafen 120 (1983) 24 S. 2365 ff. (in German)

Heinrich, F.; Plepla, K.; Brinkmann, K.: 1st experiences with the fabric filter precipitators of the CFB boiler at Saarbrücken powerstation. VGB Fachtagung "Precipitators", Essen 1990. (in German)

Brinkmann, K.; Heitmüller, R. J.; Dietz, U.: N2O measurements on CIRCOFLUID-CFB firing systems. VGB Flammentag, Bochum 1991. (in German)

Brinkmann, K.; Saueregger, E.: The 100 t/h-CIRCOFLUID CFB boiler at the sugar company of Südzucker Zeitz GmbH. Modern power generation in the 5 new German states. Thermie-Tagung , Leipzig 1993. (in German)

Brinkmann, K. ; Rösenberg, D.; Meschbiz, A.: Combustion of ash residues from a gasification plant in a CFB boiler of RWE. VGB Tagung „Dampfkessel und Dampfkesselbetrieb“, 1993. (in German)

Brinkmann, K.; Kaufmann, U.: The combined cycle-CHP powerstation Dresden – Influences of the operation mode on the design. Kraftwerkstechnisches Kolloquium, Dresden 1994. (in German)

Brinkmann, K. et al.: Das System KEDI – Optimierung von Rußbläseinsatz und Kesselbetrieb im Kraftwerk Staudinger Kessel 5. VGB Fachtagung „Dampfkessel und Dampfkesselbetrieb“, Berlin Mai 1995. (in German)

Brinkmann, K.; Sieglitz, C.: Operating Experience with the CIRCOFLUID System in the Industrial Plant of Bayer AG Uerdingen. Conference Power Gen, Amsterdam 1995. (in English)

Brinkmann, K.; Tigges, K.D.: 150 ppm NO<sub>x</sub> - New Burners at the Staudinger Plant Conference Power Gen, Amsterdam 1995. (in English)

Brinkmann, K.; Möllenhoff, H.: Calculation methods for the design of Fluidized Bed Systems in practice. Modelling and Control of Fluidized Bed Systems. Conference University Harburg, Hamburg 1995. (in English)

Brinkmann, K.; Ehmann, M.; Quenders, J.: The advantage of modern calculation methods in boiler engineering – shown on case studies. VDI Tagung "Fortschrittliche Energiewandlung und Anwendung". Universität Bochum 11./12. März 1997. (in German)

Brinkmann, K. et al.: Diagnosis systems – development and implementation. VDI Tagung "Monitoring und Diagnose in energietechnischen Anlagen". TU Braunschweig 8./9. Oktober 1997. (in German)

Brinkmann, K.: Analysis of the business processes „boiler engineering“ with ARISTOOL. Board symposium of Deutsche Babcock, Februar 1998. (in German)

Brinkmann, K.; Göhl, F.; Telemonitoring for a condition dependent maintenance with the diagnosis system ANDI. Customer conference Babcock Service Osterode, März 1998. (in German)

Brinkmann, K.; et al.: Telemonitoring with the diagnosis system ANDI in the GK Kiel powerstation. Babcock group meeting, Herne, Juni 1998. (in German)

Brinkmann, K.; Huisgen, M.; Quenders, H.-J.: The use of CFD in the development of firing systems at BABCOCK Kraftwerkstechnik GmbH. VDI-conference „Modelling and Simulation of steam boilers“, TU Braunschweig März 1998. (in German)

Michels, M.; Brinkmann, K. et al.: First operation experiences with the Online diagnosis ANDI in the Kiel powerstation. VGB Tagung Kraftwerke, Straßburg Oktober 1998. (in German)

Brinkmann, K.; Brockmann, M.: Kraftwerksdiagnose mit Validierung. VDI-Tagung an der TU Braunschweig 2001. (in German)

Brinkmann, K.: Ermittlung des KWK Stroms in Kondensations-Entnahme-Kraftwerken. et al. Firmeneigene Publikation Sofbid. 2002. (in German)

Brinkmann, K.; Böhme, A.: Optimization of powerstation operation by using PC based simulation software. TÜV Nord Kolloquium 2002, Hamburg. (in German)

Brinkmann, K.; Pawellek, R.: Examples for the easier design and better operation of power plants. Conference “Energy Forum 2003”, Varna (BG) 12./13. Juni 2003. (in German)

Brinkmann, K.: Epsilon – Examples for a simpler design and better operation of powerstations. 3. VDI Symposium Sao Paulo Brasilien, November 2003. (in German)

Brinkmann, K.: Perspectives of power generation in Germany. 3rd VDI Symposium Sao Paulo Brasilien, November 2003. (in German)

Brinkmann, K.: Optimized processes for powerstation units with online-tools: Betriebserfahrungen. VDI conference „ Knowledge based operation management“, Frimmersdorf März 2004. (in German)

Brinkmann, K.; Huchatz, M.: The simulation and validation of large lignite boilers for development of better operation modes. VDI Kraftwerkstechnisches Kolloquium Dresden, September 2004. (in German)

Brinkmann, K.: Pressurized lignite drying in a CFB – the test facility „DDWT“, Innovationsforum Spremberg 2009. (in German)

Brinkmann, K. et al.: Operation Management Systems for energy technical plants VDI guideline 4603. Kraftwerkstechnisches Kolloquium, Dresden 2015. (in German and English)

Brinkmann, K.: Training Papers for simulation of Mongolian powerstations. MUST Ulaanbaatar 2014. (in German and partly Mongolian)

Enkhbayar, Shagdar et al. (Brinkmann as background author): The use of IPSEpro for the simulation of powerstations. ISBN 978-99973-2-393-4 (2016). (in Mongolian).

Brinkmann, K., et al.: CHP-Cost allocation, Workshop TPP3, Ulaanbaatar May 2019.