

*Publications by J.R. Koehler, BSc., CE, BSc., Min. Eng., E.I.*

Publications

1. Koehler, John R., M. J. DeMarco, R. J. Marshall, and J. Fielder. "Performance Evaluation of a Cable Bolted Yield-Abutment Gate Road at the Crandall Canyon No. 1 Mine, Huntington, UT." (Aug. 1996).
2. Koehler, John R., M. J. DeMarco, and W. J. Wuest. "The Critical Pillar Concept in Yield Pillar-Based Longwall Gate Road Design," Mining Engineering Magazine abbreviated format (Aug. 1996).
3. Koehler, John R., and M. J. DeMarco. "Comparative Case Study of Yielding and Critical Coal Pillar Designs in Bump-Prone Strata." (Aug. 1995).
4. Koehler, John R., M. J. DeMarco, and W. J. Wuest. "The Critical Pillar Concept in Yield Pillar-Based Longwall Gate Road Design." SME-AIME Pre-Print No. 95-123 (Mar. 1995).
5. Koehler, John R., M. J. DeMarco, and W. J. Wuest. "The Critical Pillar Concept in Yield Pillar-Based Longwall Gate Road Design." Transactions of the Society for Mining, Metallurgy, and Exploration, Inc. (SME) full manuscript (1995).
6. Koehler, John R., and S. C. Tadolini. "Practical Design Methods for Barrier Pillars." U.S. Bureau of Mines (USBM) Information Circular 9427. (1995).
7. DeMarco, M. J., John R. Koehler, and H. Maleki. "Gate Road Design Considerations for the Mitigation of Coal Bumps in Western U. S. Longwall Operations." (1995).
8. Koehler, John R. "Longwall Gate Road Evolution and Performance at the Sunnyside Coal Mines." SME-AIME Pre-Print 94-179 (Feb. 1994).
9. Koehler, John R. "The History of Gate Road Performance at the Sunnyside Mines: Summary of U.S. Bureau of Mines Field Notes." USBM Information Circular 9393 (1994).
10. Lu, P. H., and John R. Koehler. "Geomechanical Behavior of Rock Masses at Great Depth-Case Studies." (Aug. 1989).
11. Koehler, John R., S. D. Jones, and M. J. DeMarco. "An Applications Approach to Barrier Pillar Design for Improved Resource Recovery." Rock Mechanics as a Guide for Efficient Utilization Of Natural Resources (Jun. 1989).
12. DeMarco, M. J., John R. Koehler, and P. H. Lu, "Characterization of Chain Pillar Stability in a Deep Western Coal Mine-Case Study." Transactions of the SME full manuscript (Dec. 1988).
13. DeMarco, M. J., John R. Koehler, and P. H. Lu. "Characterization of Chain Pillar Stability in a Deep Western Coal Mine-Case Study." Mining Engineering Magazine abbreviated format (Dec. 1988).
14. Koehler, John R., and M. J. DeMarco. "Qualitative Investigation of USBM Borehole Pressure Cell Components Subjected to a Chloride Environment." DOI-DOE Interagency Report (1985).

Conferences, Symposia, and Continuing Education Lectures

1. "Evaluation of Plumbing and Piping Failures." Knott Laboratory (KL) Continuing Education Lecture. Centennial, CO. Jan. 2009.
2. "Assessment of Building Foundations." KL Continuing Education Lecture. Centennial, CO. Jan 2009.
3. "Wood Flooring Installation Considerations," KL Continuing Education Lecture, Centennial. CO. Jan 2008.
4. "Performance Evaluation of a Cable Bolted Yield-Abutment Gate Road at the Crandall Canyon No. 1 Mine, Huntington, UT." 15<sup>th</sup> International Conference on Ground Control in Mining. Golden, CO. 13-15 Aug. 1996.
5. "Comparative Case Study of Yielding and Critical Coal Pillar Designs in Bump-Prone Strata." 14<sup>th</sup> International Conference on Ground Control in Mining. Morgantown, WV. 1-3 Aug. 1995.
6. "Gate Road Design Considerations for the Mitigation of Coal Bumps in Western U. S. Longwall Operations." USBM Special Publication for Open Industry Briefing. Norton, WV. Jun. 1995.
7. "Gate Road Design Considerations for the Mitigation of Coal Bumps in Western U. S. Longwall Operations." USBM Special Publication for Open Industry Briefing. Price, UT. May 1995.

8. "The Critical Pillar Concept in Yield Pillar-Based Longwall Gate Road Design." SME-AIME 1995 Annual Meeting. Denver, CO. Mar. 1995.
9. "Longwall Gate Road Performance at the Sunnyside Coal Mines." SME-AIME 1994 Annual Meeting. Albuquerque, NM. Feb. 1994.
10. "Geomechanical Behavior of Rock Masses at Great Depth-Case Studies." International Society of Rock Mechanics Symposium on Rock Mechanics and Rock Physics at Great Depth. Pau, France. Aug. 1989.
11. "An Applications Approach to Barrier Pillar Design for Improved Resource Recovery." 30<sup>th</sup> U. S. Symposium on Rock Mechanics. Morgantown, WV. Jun. 1989.
12. "Characterization of Chain Pillar Stability in a Deep western Coal Mine-Case Study SME Pre-Print 88-76." SME\_AIME 1988 Annual Meeting. Phoenix, AZ. Feb. 1988.