



บรรณานุกรม

- Akgun H. (1996) Strength parameters of cement borehole seals in rock, in: K. Fuenkajorn, J.J.K. Daemen (Eds.), Sealing of Boreholes and Underground Excavations in Rock, Chapman & Hall, London, pp. 28–39.
- Akgun, H., Daemen, J.J.K., (1994) Performance assessment cement grout borehole plugs in basalt. Eng. Geol. 37,137–148.
- Akgun, H. (1997) An assessment of borehole sealing in a salt environment. Environmental Geology. 31: 34–41.
- Akgun, H. and Daemen, J.J.K. (2002) Influence of degree of saturation on the borehole sealing performance of an expansive cement grout. Cement and Concrete Research. 30(2): 281–289.
- Akgun, H. and Daemen, J.J.K. (1994) Performed assessment of cement grout borehole plugs in basalt. Engineering Geology, 37, 137–48.
- Akgun, H. and Daemen, J.J.K. (1997) Analytical and experimental assessment of mechanical borehole sealing performance in rock. Engineering Geology. 47(3): 233–241.
- ASTM C150, Standard specification for Portland cement. In Annual Book of ASTM Standards (Vol. 04.01). Philadelphia: American Society for Testing and Materials.
- ASTM C595, Standard Specification for Blended Hydraulic Cements. In Annual Book of ASTM Standards (Vol. 04.01). Philadelphia: American Society for Testing and Materials.
- ASTM D2196, Standard Test Methods for Rheological Properties of Non-Newtonian Materials by Rotational (Brookfield type) Viscometer. In Annual Book of ASTM Standards (Vol. 06.01). Philadelphia: American Society for Testing and Materials.
- ASTM D3967. Standard test method for splitting tensile strength of intact rock core specimens. In Annual Book of ASTM Standards (Vol. 04.08). Philadelphia: American Society for Testing and Materials.
- ASTM D5607. Standard Test Method for Performing Laboratory Direct Shear Strength Tests of Rock Specimens Under Constant Normal Force. In Annual Book of ASTM Standards (Vol. 04.08). Philadelphia: American Society for Testing and Materials.

- ASTM D7012. Standard test method for compressive strength and elastic moduli of intact rock core specimens under varying states of stress and temperatures, In Annual Book of ASTM Standards, Vol. 04.08.
- Brown, E. T. (1981). Rock Characterization Testing & Monitoring, ISRM Suggested Methods. New York: Pergamon Press.
- Daemen, J. J. K., et al. (1984). Rock mass sealing. In Annual Report No. NUREG/CR-4174. Washington DC: US Nuclear Regulatory Commission.
- Daemen, J.J.K. and Fuenkajorn, K., (1996) "Design of Boreholes Seals – Processes, Criteria and Considerations," Sealing of Boreholes and Underground Excavations in Rock, Chapman & Hall, London, pp. 267–279.
- Daemen, J.J.K., Greer, W.B. and Fuenkajorn, K. (1986) "Experimental Assessment of Borehole Plug Performance," US Nuclear Regulatory Commission Rep. NURG/CR-4642, Washington, DC.
- Daemen, J.J.K., South, D.L. and Greer, W.B. (1983) "Rock Mass Sealing," Annual Report June 1983–May 1984. US Nuclear Regulatory Commission Rep. NURG/CR-3473, Washington, DC.
- Economides, M.J., Watters, L.T. and Dunn–Norman, S. (1998) Petroleum well construction. Chichester : John Wiley & Sons.
- Fuenkajorn, K. and Daemen J.J.K. (authors & editors) (1996) Sealing of Boreholes and Underground Excavations in Rock, Chapman & Hall, London, 322 pp.
- Fuenkajorn, K. and Daemen, J.J.K. (1984) "Experimental Assessment of Borehole Wall Drilling Damage in Basaltic Rocks," Rock Mechanics in Productivity and Protection: Proceedings of the 25th U.S. Symposium, June 25–27, Northwestern University, Evanston, IL, pp. 774–783.
- Fuenkajorn, K. and Daemen, J.J.K. (1986) "Rock–Cement Interface Effects on Borehole Plug Permeability," Waste Management'86: Proceedings of the Waste Management Symposium, March 2–6, Tucson, Arizona, Vol. 2 – High Level Waste, pp. 251–256.

- Fuenkajorn, K. and Daemen, J.J.K. (1986) Experimental Assessment of Borehole Wall Drilling Damage in Basaltic Rocks, Technical Report, NUREG/CR-4641, published by Office of Nuclear Regulatory Research, U.S. Nuclear Regulatory Commission, Washington D.C., 265 pp.
- Fuenkajorn, K. and Daemen, J.J.K. (1986) Shape Effect on Ring Test Tensile Strength, Key to Energy Production: Proceedings of the 27th U.S. Symposium on Rock Mechanics, June 23–25, University of Alabama, Tuscaloosa, pp. 155–163.
- Fuenkajorn, K. and Daemen, J.J.K. (1987) "Mechanical Interaction between Rock and Multi-component Shaft or Borehole Plugs," Rock Mechanics: Proceedings of the 28th U.S. Symposium, June 29 – July 1, University of Arizona, Tucson, pp. 165–172.
- Fuenkajorn, K. and Daemen, J.J.K. (1996) "Design Guideline for Mine Sealing," The 1996 Arizona Conference, Tucson, Arizona, December 8–9.
- Fuenkajorn, K. and Daemen, J.J.K. (1996) "Sealing of Boreholes in Rock – An Overview," Proc. 2nd North American Rock Mech. Symposium, Montreal, Quebec, Canada, pp. 1447–1454.
- Fuenkajorn, K. and J.J.K. Daemen, (1988) "Borehole Closure in Salt," *Key Questions in Rock Mechanics: Proceedings of the 29th U.S. Symposium*, June 13–15, University of Minnesota, Minneapolis, pp. 191–198.
- Fuenkajorn, K. and J.J.K. Daemen, (1991) "Cement Borehole Plug Performance in Welded Tuff," *Rock Mechanics as a Multidisciplinary Science: Proceedings of the 32nd U.S. Symposium*, June 10–12, University of Oklahoma, Norman, pp. 723–732.
- Fuenkajorn, K. and J.J.K. Daemen, (1992) "Borehole Sealing," *Compressed-Air Energy Storage: Proceedings of the 2nd International Conference*, Electric Power Research Institute, San Francisco, CA, July 7–9, pp. 5.1–5.21.
- Fuenkajorn, K. and J.J.K. Daemen, (1997) "Mine Sealing: Design Guidelines and Considerations," *Tailings and Mine Waste'97*, Colorado State University, Fort Collins, January 13–17, pp. 59–68.

- Fuenkajorn, K., (1996) "Overview of Research Effort on Sealing of Boreholes, Shafts and Ramps in Welded Tuff," *Proceedings of the Workshop on Rock Mechanics Issues in Repository Design and Performance Assessment*, Washington, DC., September 19–20.
- Goodman, R.E. (1989) Introduction to rock mechanics. New York : John Wiley & Son.
- Gray, T.A. and Gray, R.E. (1992) Mine closure, sealing, and abandonment. SME mining handbook. 1,2 : 659–674.
- McGinty, J.E. and Calvert, D.G. (1991) Cementing off, plugging and redrilling. In National Ground Water Association (ed.). Well abandonment. Ohio : National Ground Water Association.
- Neville, A.M. (1981) Properties of concrete. England : Longman Group Limited.
- Nye, J.D. (1991) Abandoned wells : How one state deals with them. In National Ground Water Association (ed.). Well abandonment. Ohio : National Ground Water Association.
- Ouyang, S., and Daemen, J. J. K. (1996). Performance of bentonite and bentonite/crushed rock borehole seals. In K. Fuenkajorn and J. J. K. Daemen (eds.). Sealing of boreholes and underground excavations in rock (pp. 65–95). London: Chapman & Hall.
- Ran, C., Daemen, J.J.K., Schuhen, M.D. and Hansen, F.D. (1997) Dynamic compaction properties of bentonite. *Rock Mech. & Min. Sci.* 34(1–4).
- Smith, D.K. (1990) Cementing. The united state of America : The society of petroleum engineers Inc.
- Smith, D.K. (1993) Handbook on Plugging and Abandonment. Oklahoma: Penn Well Publishing Company.
- Smith, S.A. (1994) Well & borehole sealing. Ohio : Ground water publishing co.
- South, D.L. and Fuenkajorn, K. (1996) "Laboratory Performance of Cement Boreholes Seals," *Sealing of Boreholes and Underground Excavations in Rock*, Chapman & Hall, London, pp. 9–27.

- Stormont, J.C. and Daemen, J.J.K. (1983) "Axial Strength of Cement Borehole Plugs in Granite and Basalt," NUREG/CR-3594, Topical Report on Rock Mass Sealing, prepare for Division of Health, Siting and Waste Management, Office of Nuclear Regulatory Research, U.S. Nuclear Regulatory Commission, by the Department of Mining and Geological Engineering, University of Arizona, Tucson.
- Tyler, G. (1991) "The Impact of Abandoned Wells on Ground Water Quality," In National Ground Water Association (ed.) Well Abandonment. Ohio: National Ground Water Association.

ประวัตินักวิจัย



อาจารย์ ดร.ปรัชญา เทพนรงค์ เกิดเมื่อวันที่ 14 กันยายน 2521 ที่จังหวัดกาญจนบุรี จบการศึกษาปริญญาเอกจากมหาวิทยาลัยเทคโนโลยีสุรนารี โปรแกรมวิทยาศาสตรกรรมธรณี ในปี พ.ศ. 2550 ปัจจุบันดำรงตำแหน่งอาจารย์ประจำอยู่ที่สาขาวิชาเทคโนโลยีธรณี สำนักวิชาวิศวกรรมศาสตร์ มหาวิทยาลัยเทคโนโลยีสุรนารี จังหวัดนครราชสีมา มีความชำนาญทางการทดสอบด้านกลศาสตร์หินในห้องปฏิบัติการและภาคสนาม การออกแบบและการวิเคราะห์โดยใช้แบบจำลองทางคอมพิวเตอร์ เป็นนักวิจัยประจำหน่วยวิจัยกลศาสตร์ธรณี และเป็นสมาชิกสามัญตลอดชีพของสมาคมธรณีวิทยาแห่งประเทศไทย

