



DR. RUDRAJIT MITRA

LECTURER

(MEA NODE: UNSW SCHOOL OF MINING ENGINEERING)

QUALIFICATIONS	B.E. Mining Engineering, Bengal Engineering College, 2001 M.S. Mining Engineering, Pennsylvania State University, 2003 Ph.D. Mining Engineering, Virginia Polytechnic Institute and State University (Virginia Tech), 2006
EMPLOYMENT	2006 – University of New South Wales, School of Mining Engineering - Lecturer
PROFESSIONAL SOCIETIES	Society of Mining, Metallurgy and Exploration, Inc. (SME) American Rock Mechanics Association (ARMA)
TEACHING AREAS	Mine Ventilation Rock Mechanics Underground Mining (Coal) Mine Ventilation
RESEARCH INTERESTS	Numerical modelling in rock mechanics, strata control Mine Ventilation Acoustic Emission Laboratory Tomography
SELECTED RECENT PUBLICATIONS	Mitra, R. and E. C. Westman, <i>In press</i> . Micro-mechanical modeling of Five Oaks Limestone compared to uniaxial compressive test. <i>Géotechnique</i> . Mitra, R., M. M. Murphy and E. C. Westman, <i>In press</i> . Study on the effect of anisotropy in rocks on stress redistribution using numerical modeling. <i>Rock Mechanics and Rock Engineering</i> . Mitra, R., W. B. Johnson and E. C. Westman. 2005. Stress redistribution imaging through coupled laboratory testing and numerical modeling. <i>2005 SME Annual Meeting and Exhibit</i> , Salt Lake City, UT, Feb 28 – Mar 2, 2005. Preprint No. 05-107. Mitra, R., E. C. Westman and M. J. Mrugala. 2004. Use of Numerical Modeling for Longwall Roof Performance Analysis. <i>Gulf Rocks 2004: Rock Mechanics across Borders & Disciplines. Proceedings of the 6th NARMS Conference</i> , Houston, TX. June 2004. D. P. Yale, S. M. Willson, and A. S. Abou-Sayed, Eds. Paper No. ARMA/NARMS 04-483. Mrugala, M.J. and R. Mitra. 2003. Performance of coal mine pillars under varying roof and floor conditions. <i>2003 SME Annual Meeting and Exhibit</i> , Cincinnati, OH. Feb 24 – 26, 2003. Preprint No. 03-036.